



Hospital Care & OPM

MEA Product Summary

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Ecoflac® plus – Infusion container for versatile use in the pharmacy and on the ward



User benefits

- Versatile use in the pharmacy and on the ward
- Protection from needlestick injuries through twin port cap
- Convenience in handling
- Safer than glass
- PE material compatible with all pharmaceuticals
- Safety through error resistant usage (e.g. label)
- Uncomplicated delivery and transport
- Space-saving storage
- Ecological and proper disposal

An extensive portfolio of standard and electrolyte IV solutions (plasma volume replacement solutions and ready-to-use drugs) are available in the B. Braun Ecoflac®plus IV container. Combining an ergonomic design with the features of the twin port cap system, the Ecoflac® plus IV container contributes to the prevention of some of the most common risks throughout the whole infusion therapy process.

	100 ml	250 ml	500 ml	1000 ml
Aqua ad iniectabilia	●	●	●	●
Gelaspan 4 %			●	
Gelofusine			●	
Glucose 5 %		●	●	●
Glucose 10 %			●	●
Glucose 20 %			●	
Glucose 5 % in NaCl 0.9 %			●	●
Hemohe 6 %			●	
Metronidazole	●			
NaCl 0.9 %	●	●	●	●
Paracetamol	●			
Potassium Chloride 0.15 %			●	●
Potassium Chloride 0.3 %			●	●
Ringer Lactate (Hartmann's Solution)			●	●
Ringer Solution			●	●
Sterofundin® ISO		●		

ConComp – How to know what is compatible to what



- ConComp® provides information about the compatibility and stability of injectable drugs and their active ingredients in infusion solutions, as carrier' diluents and in containers made from different types of material.
- Access to and use of the ConComp® database are free of charge to all registered medical professionals.
- ConComp® presents information from the literature and from B. Braun laboratories.

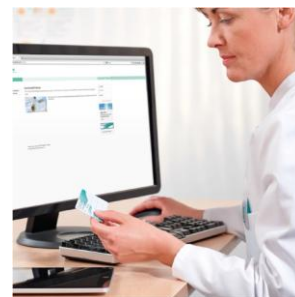
How to use the ConComp® database

Register:


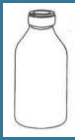
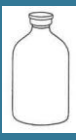
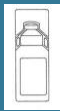
1. Go to <http://www.concomp-partner.com>
2. If you have received one of the B. Braun ConComp® Cards, please enter your code once to create an account.
3. If you do not have a ConComp® Card yet, please contact your B. Braun representative or apply online.
4. Once registered, you have access to the database and you can look up information on the compatibility of I.V. drugs and/or their active ingredients with infusion solutions and the corresponding container materials.

Instructions for use:

1. Click: 'Drug' - Alphabetical order of generic names (e.g. Paclitaxel).
2. Click: 'Container' - Container materials in alphabetical order with the most frequently used materials on top of the list (e.g. PE).
3. Click: 'IV-Solution' - IV-solutions in alphabetical order with the most frequently used IV-solutions on top of the list. It is recommended to click 'all' in 2. and 3. in order to get presented the results for the selected drug in all containers and carrier solutions. With these 3 clicks the request is completed. The available articles are listed under 'Read'.
4. Click: 'Show Articles' - By clicking on the empty boxes next to the article.



Every day, numerous procedures are performed during patient care. Plastic ampoules have added safety and convenience to these routines. We are offering different types of plastic and glass containers:

	Article	Ecoflac® plus ml	Glass bottle ml	Glass vial ml	Mini Plasco® ml	Main indications
						
<i>Injection solutions</i>						
Drug diluents	Aqua ad iniectionabilia	100		100	5, 10, 20	Drug reconstitution
	0.9 % w/v Sodium Chloride	100		100	5, 10, 20	
<i>Concentrates</i>						
Sodium Chloride	5.85 % w/v Sodium Chloride				20	Hyponatraemia, Hypochloraemia, Hypotonic Hyperhydratation
Potassium Chloride	7.45 % w/v Potassium Chloride				20	Hypokalaemia, as additive to parenteral nutrition solutions
	14.9 % w/v Potassium Chloride				10	
Calcium Gluconate	10 % w/v Calcium Gluconate				10	Hypocalcaemia, as additive to parenteral nutrition solutions
Potassium Phosphate	Potassium Phosphate				20	Hypophosphataemia, Hypokalaemia
Sodium Bicarbonate	8.4 % Sodium Bicarbonate		100		20	Metabolic acidosis
Glucose	50 % w/v Glucose			50	20	

Gelofusine® – A colloidal volume replacement fluid based on 4 % modified fluid gelatin



- Provides a wide range of therapeutic indications
- Provides a readily controllable volume effect over 3–4 hours
- Provides an immediate increase in intravascular volume and re-establishes disturbed haemodynamics
- Is completely degraded
- Degradation products are rapidly excreted
- Does not effect blood coagulation
- Is compatible with blood and blood products
- Has no substance, specific dose limit
- Lowers the risk of hyperchloremic acidosis due to the reduced, more physiological concentration of chloride ions

Therapeutic Indications

Colloidal plasma volume substitute for

- Prophylaxis and treatment of imminent or manifest relative or absolute hypovolaemia and shock;
- Prophylaxis and treatment of hypotension (e.g. during induction of epidural or spinal anaesthesia);
- Procedures involving extracorporeal circulation (e.g. heart–lung machine);
- Acute normovolaemic haemodilution

Container: Gelofusine® is supplied in polyethylene bottles (Ecoflac® plus, 500 ml) and PVC-free infusion bags (Ecobag®, 500 ml)

Sales Unit/ pcs. 10 per box

Gelaspan® – The fully plasma adapted gelatin



- Provides a physiologically balanced solution
- is isotonic: the osmolarity is similar to the plasma
- provides an appropriate and reliable hemodynamic stabilization comparable to that of modern starches

Therapeutic Indications

Gelaspan® is a colloidal plasma volume substitute in an isotonic, fully balanced electrolyte solution for

- Prophylaxis and treatment of imminent or manifest relative or absolute hypovolaemia and shock;

Container: Gelaspan® is supplied in polyethylene bottles (Ecoflac® plus, 500 ml) and PVC-free infusion bags (Ecobag®, 500 ml)

Sales Unit/ pcs. 10 per box

Tetraspan® 6 % / 10 % – Hydroxyethyl starch (130/0.42)



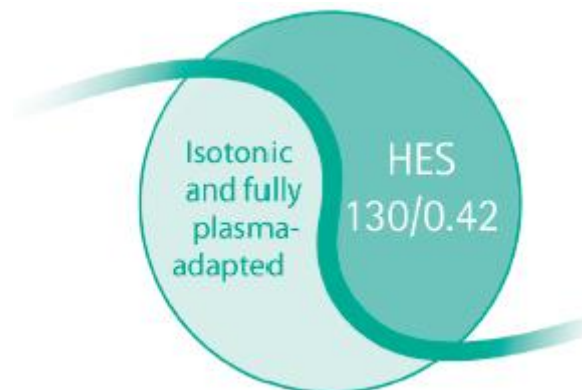
- Isotonic and fully plasma adapted solution
- Less influence on coagulation of calcium-containing solutions compared to saline based solutions.
- Rapid and reliable hemodynamic stabilization
- Fast and complete clearance
- No plasma accumulation
- Less risk for development of hyperchloremic acidosis
- Proven efficacy in neonates, toddlers and children
- Available as volume refiller (6 %) and volume expander (10 %)

Therapeutic Indications






Treatment of hypovolaemia due to acute blood loss.

Not all balanced solutions are the same!

	Plasma	Tetraspan®	NaCl 0.9%
Na ⁺ (mmol/l)	142	140	154
K ⁺ (mmol/l)	4.5	4	
Ca ²⁺ (mmol/l)	2.5	2.5	
Mg ²⁺ (mmol/l)	1.25	1	
Cl ⁻ (mmol/l)	103	118	154
HCO ₃ ⁻ /Acetate (mmol/l)	24	24	
Malate (mmol/l)		5	
Theoretical Osmolarity (mosmol/l)	291	296	308
Real Osmolarity ⁴ (mosmol/kg)	287	292	286



Container: Tetraspan® is supplied in polyethylene bottles (Ecoflac® plus, 500 ml, Sales Unit/ pcs. 10 per box) and PVC-free infusion bags (Ecobag®, 250 ml, 500 ml, Sales Unit/ pcs. 20 per box)

Article	Description	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
<i>Transfer Devices</i>					
	Ecoflac® Mix Transfer cap for transferring fluids between an Ecoflac® plus container and vials (cap ø: 20 mm). Convenient handling helps to improve aseptic technique. Shrouded spike.	250	16401	●	●
 CLOSED SYSTEM	Ecoflac® Connect Transfer cap for transferring fluids between an Ecoflac® plus container and vials in a closed-system (cap ø: 20 mm). Same benefits as Ecoflac® Mix and more: Protection for staff and patients through the closed-system. Reduced medication error since vial remains attached during infusion.	50	4090550	●	●
	Transofix® Transfer spike for large containers. Fits into rubber stoppers 6.3 mm and bag set ports. Allows excellent flow even with non-evacuated glass vials. Large internal diameter. Easy-to-use. Large grip flanges.	200	4090500	●	●
	FDC 1000 Fluid-dispensing connector for filling unit-dose syringes from a large master syringe. Provides a secure connection of two syringes. Luer-lock connections on both sides. Easy-to-use and minimizes contamination. Large grip plates. Easy air elimination from unit-dose syringe. Air is always located in the upper end of the master syringe.	100	415080	●	●
<i>Filter Straws</i>					
	Sterifix® Sterifix® filter straw 5 µm, 4.5 cm. Short filter straw for withdrawal and filtration of fluids from small ampoules. Reduces risks of glass particle injection with glass ampoules. 5 µm filter hub attached. Prevents needle stick injuries. Blunt plastic straw. Very suitable for aspiration. Flexible straw can be angled.	200	4550250	—	●
	Sterifix® Sterifix® filter straw 5 µm, 10 cm. Long filter straw for withdrawal and filtration of fluids from large ampoules. Same as 4550250 but with 10 cm straw.	200	4550200	—	●





Article	Description	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
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Dispensing Pins



Mini-Spike® / Mini-Spike® Filter / Mini-Spike® Chemo / Mini-Spike® 2 / Mini-Spike® 2 Filter / Mini-Spike® 2 Chemo
- for details see pages 13, 14

Admixture Accessories

	Ecopin	Original tamper-proof seal for the injection port after drug admixture, which prevents further manipulation.	1000	4125002	●	●
	SC 2000	Multi-ad Luer-Lock syringe cap (red). Onehand cap attachment. Blister pack stabilizes the cap on working surface.	50x10	418012	-	●
	TEC 1000	Tamper evident syringe cap,. Helps visual inspection of the use of the Luer-Lock syringe. Especially important when working with cytostatics or controlled substances. Onehand cap attachment designed with two pieces which break away upon manipulation.	50x10	418004	-	●
	PureSite	Closed Male Connector Dust Cover Cap - for details see next page -	100 200	4551102 4551103	●	●

PureSite – Closed Male Connector

Transfer-device for IV admixture & administration with a safer and easier protection against hazardous drug exposure



PureSite Closed Male Connector



PureSite Dust Cover Cap

PureSite Male Connector:

- Needle-free technology, bi-directional fluid flow
- Non-removable connection to syringe and / or IV set from female Luer-Lock connector
- Compatible with any standard Luer-Lock connection
- Male Luer-Lock designed with microbial ingress barrier
- Auto-closure technology upon disconnection
- Broad use of application with proven chemical compatibility of most commonly used hazardous drugs

PureSite Dust Cover Cap:

- Specially designed for PureSite
- Offers the comfort of a closing cap and safe drug transportation

Safety benefits

- Minimizes chemical and microbiological contamination
- Prevents from sharp injuries
- Intuitive needle-free handling

1. Safe Preparation



The permanent connection of PureSite prevents accidental disconnection from the syringe. Its automatic closure upon disconnection helps to reduce drug exposure and microbiological contamination.

2. Safe Transportation



PureSite is easy and safe to transport with its self-closed technology and protective Dust Cover Cap.

3. Safe Administration





PureSite needle-free and permanent connection assures a fast and safe drug administration.

4. Safe Disposal



PureSite technology assures a safe disposal as it remains permanently closed even after completion of the therapy.

Article	PVC-free	DEHP-free	Latex-free	Sales Unit/ pcs.	Ref. no.
 PureSite Closed Male Connector	●	●	●	100	4551102
 PureSite Dust Cover Cap	●	●	●	200	4551103

Mini-Spike® – Vented dispensing pin for injections and withdrawals from vials or semi-rigid containers



- For all conventional multi-dose containers with 3-1000 ml
- Needle-free technology
- Tight-sealing snap cap which protects contact contamination of the connector
- Integrated air vent making over-pressure release techniques unnecessary, excellent flow rate
- Easy handling and excellent hygiene for repeated withdrawal of fluids
- Color coding of the snap cap allows better differentiation
- *Micro-Tip*: with short length designed for smaller vials
- *Mini-Spike® Chemo*: with aerosol-retentive air filter which reduces the risk of contamination with toxic aerosols
- *Mini-Spike® V*: the integrated valve prevents the solution from leaking out after disconnecting the syringe

Article	Description	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
<i>With 0.45 µm bacteria-retentive air filter</i>					
Mini-Spike®	Standard Tip	50	4550242	●	●
Mini-Spike® Micro-Tip	Micro-Tip	50	4550510	●	●
Mini-Spike® V	Standard Tip with integrated valve	50	4550560	●	●
<i>With 0.45 µm bacteria-retentive air filter and 5 µm particle filter</i>					
Mini-Spike® Filter	Standard Tip	50	4550234	●	●
Mini-Spike® Filter Micro-Tip	Micro-Tip	50	4550528	●	●
Mini-Spike® Filter V	Standard Tip with integrated valve	50	4550579	●	●
<i>With 0.2 µm aerosol-retentive air filter and 5 µm particle filter</i>					
Mini-Spike® Chemo	Standard Tip	50	4550340	●	●
Mini-Spike® Chemo Micro-Tip	Micro-Tip without particle filter	50	4550536	●	●
Mini-Spike® Chemo V	Standard Tip with integrated valve	50	4550587	●	●

Mini-Spike® 2 – Vented dispensing pin with swabable needle-free access valve






Equivalent to the Mini-Spike® I version with the following improvements:

- Snap cap replaced by swabable needle-free access valve
- The swabable valve offers an easy and safe access of the connecting port for disinfection processes, which helps to reduce the risk of nosocomial infection
- The automatic closure technology increases protection against chemical contamination

Safety benefits

- Minimizes chemical and microbiological contamination
- Minimizes particulate contamination
- Prevents from sharp injuries
- Intuitive and convenient needle-free handling

Article	Air Filter	Fluid Filter	PVC-, DEHP- and Latex-free	Sales unit	Ref. no.
 Mini-Spike® 2	0.45 µm	-	●	50	4550590
 Mini-Spike® 2 Filter	0.45 µm	5 µm	●	50	4550591
 Mini-Spike® 2 Chemo	0.2 µm	5 µm	●	50	4550592

For a maximum risk reduction, the product system PureSite and Mini-Spike® 2 Chemo offers reliable solutions when it comes to toxic drug exposure and hospital-acquired infections. For details see page 12.

 PureSite Closed Male Connector	-	-	●	100	4551102
 PureSite Dust Cover Cap	-	-	●	200	4551103

Closed System Confirmation and Aseptic Non-Touch Technique



Closed System

The definition of a closed system was first published in an alert warning released by the American National Institute for Occupational Safety and Health (NIOSH). This warning was issued in relation to studies that showed a correlation between working with or near hazardous drugs in a healthcare environment and the increased risk of developing skin rashes, infertility, miscarriage and infant birth defects, as well as the possibility of developing leukemia and other forms of cancer. This NIOSH alert recommended that a closed system is to be used whenever hazardous drugs were to be handled.

A closed system is defined as "A device that does not exchange unfiltered air or contaminants with the adjacent environment".

Several products have been approved by external laboratories showing that the products are "closed systems" and therefore beneficial for patients as well as healthcare workers.

All corresponding products are marked with a special symbol / indicator.

A green rounded rectangular button with the text "ANTT" in white, bold, uppercase letters.

Aseptic Non-Touch Technique

The Association of Safe Aseptic Practice in the United Kingdom analyzed and evaluated B. Braun products regarding its capability for aseptic non-touch technique which is one key aspect in the prevention of microbial contamination. The valve Caresite® was considered to be an effective and user friendly device in terms of ANTT due to the following features:

- Facilitation of effective decontamination and disinfection due to the flush, flat and smooth surface of the injectable membrane.
- A relatively larger surface 'grip' area of the device and the device' overall shaping promotes effective non-touch technique.
- The use of a plastic protector cap on the male interface of the device protects the male end of the device from direct / indirect touch contamination from the immediate procedure environment and the healthcare worker.

This endorsement allows the B. Braun organization to differentiate from the competition and to use this in their marketing and sales activities.

Intrafix® SafeSet – Premium IV administration set with AirStop and PrimeStop



For gravity infusion and pressure infusion with defined, non-dedicated infusion pumps (pressure resistant up to 2 bar).

AirStop: an innovative, hydrophilic depth filter membrane ensuring AirStop safety in case of emptied fluid container. Maintains the tubing completely filled with fluid. Works further as a particle filter with a filtration efficiency of 15 µm and even lower.

PrimeStop: a protective cap lined with a bacteria-tight hydrophobic membrane placed on the Luer Lock fitting, stops fluid leaking and protects against contamination. PrimeStop automates priming and ends messy dripping.

User benefits

- Helps prevent air infusion and infusion-related infection
- Ensures a closed system during priming
- Significantly reduces work load
- Saves time and costs
- Advanced precise roller clamp
- DEHP-free

Article	Gravity / Pressure	Tubing length (cm)	Specifications	Sales Unit/ pcs.	Ref. no.	PVC-free	Latex-free
<i>Intrafix® SafeSet - with AirStop and PrimeStop</i>							
Intrafix® SafeSet	pressure	180	Basic	100	4063000	–	●
Intrafix® SafeSet	pressure	230	Basic	100	4063003	–	●
Intrafix® SafeSet B.C.V.	pressure	180	Infuvalve® B.C.V. (Back Check Valve)	100	4063001	–	●
Intrafix® SafeSet N.T.P.	gravity	180	Neurapur®	100	4063002	●	●
Intrafix® SafeSet Y-N.F. Caresite™	pressure	210	Y-injection site with Caresite™ needle-free valve	100	4063004C	–	●
Intrafix® SafeSet UV-protect	pressure	180	Transparent UV-protection	100	4063131	●	●
Intrafix® SafeSet Y-N.F. Safeflow	pressure	210	Y-injection site with Safeflow needle-free valve	100	4063004	–	●
Intrafix® SafeSet	pressure	180	with	100	4063005	–	●
Intrafix® SafeSet 3-W.S.C.	pressure	220	with 3-Way stopcock	100	4063006	–	●

Intrafix® Primeline – Universal IV administration set



- Sharp and clear ISO spike
- Highly transparent dome design
- Elastic pump chamber
- Large fluid filter area
- Handy roller clamp with spike disposal
- Screw-tight luer lock fitting
- 15 µm filter
- Pressure resistant: 2 bar
- **DEHP-free**
- Good control flow rate. Comfortable to hold, more accurate setting of flow rate, easier to roll and finer drop speed adjustment

Intrafix® Primeline comes with a variety of add-ons e.g.:

- automate PrimeStop cap makes parallel pressure and gravity infusions safer (Back Check Valve),
- simplify injection (needle-free valve) and piggybacking procedures

Article	Gravity/pressure	Tubing length (cm)	Specifications	Sales Unit/pcs.	Ref. no.	PVC-free	Latex-free
Intrafix® Primeline	pressure	150	Basic	100	4062957	–	●
Intrafix® Primeline	pressure	180	Basic	100	4062981L	–	●
Intrafix® Primeline	pressure	230	Basic	100	4060407	–	●
Intrafix® Primeline	pressure	180	Primestop	100	4062982L	–	●
Intrafix® Primeline B.C.V.	pressure	180	Infuvalve® B.C.V. (Back Check Valve)	100	4063287	–	●
Intrafix® Primeline N.T.P.	gravity	180	Neutrapur®	100	4062191	●	●
Intrafix® Primeline Eurofix® I.S.	pressure	180	Injection site with grip plate	100	4062182	–	●
Intrafix® Primeline Safeflow	pressure	180	Y-injection site with Safeflow needle-free valve	100	4062158	–	●
Intrafix® Primeline Caresite®	pressure	180	Y-injection site with Caresite® needle-free valve	100	4062158C	–	●
Intrafix® Primeline UV Prot.	gravity	180	Transparent UV protection	100	0086774R	●	●
Intrafix® Primeline with Microdropper	gravity	180	Microdropper, Y-injection site	100	4052480	–	●

Intrapur® Inline – Infusion filter set for the application of chemotherapeutic agents



- Ready to use infusion set with 0.2 µm infusion filter
- Bacteria and particle retention
- Recommended period of use: 24 hours
- Reliable air venting regardless of position
- High flow volume

Article	Description	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
Intrapur® Inline	Inline filter set	20	4099842N	●	●

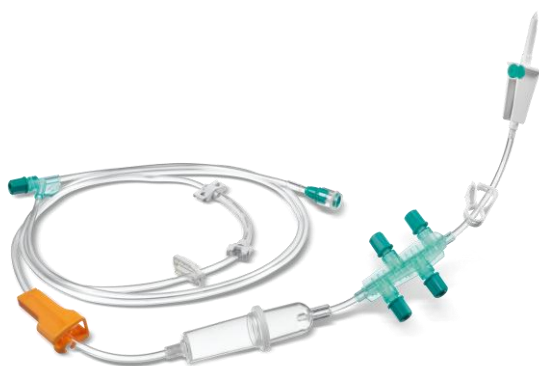
Medifix® – Infusion system for measurement of the Central Venous Pressure
















- **Medifix® tube system:**
 - with or without IV administration set Intrafix® Primeline
 - Discofix® 3-way stopcock
 - bacteria-tight venting of manometer tube
 - screw-tight Luer-Lock fitting
- **Medifix® manometer scale:**
 - graduation from +35 to -15 cm H₂O
 - good readability for the measured value because of magnifying effect
 - zero-position indicator movable to either side
 - break-proof plastic
 - reusable
 - with two universal fixation clamps

Article	Description	IV Set	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
Medifix®	Short manometer tube, 100 cm	–	50	4276116	–	●
Medifix®	Long manometer tube, 180 cm	–	50	4276108	–	●
Medifix®	Short manometer tube, 100 cm	With Intrafix® Primeline, length of tubing 80 cm	50	4276620	–	●
Medifix®	Short manometer tube, 100 cm	With Intrafix® Primeline, length of tubing 145 cm	50	4276612	–	●
Medifix®	Long manometer tube, 180 cm	With Intrafix® Primeline, length of tubing 80 cm	50	4276728	–	●
Medifix®	Manometer scale	–	10	4279913	●	●

Cyto-Set® – IV set for safer cytostatic preparation and application



- Closed system from preparation and application to disposal
- All connection sites are free of cytostatic drugs
- Easy, drip-free priming
- Needle-free system
- The Safsite® connectors prevent leaks and needlesticks
- PrimeStop with rotating Luer-lock connector eliminates the risk of cytostatic contamination at the connection site
- *Cyto-Set® Mix*: Safe drug preparation in the pharmacy
- *Cyto-Set® Line*: Connects primed solutions
- *Cyto-Set® Infusion / Infusomat® Space*: Safe drug application on the ward

	Article	Type	Light protection	Sales Unit/ pcs.	Ref. no.
	<i>Preparation</i>				
	Cyto-Set® Mix	with 1 needle-free valve	—	20	A2900N
	Cyto-Set® Mix	with 1 needle-free valve, with 0.2µm filter	—	20	A2903N
	Cyto-Set® Mix	with 1 needle-free valve	●	20	A2906N
	Cyto-Set® Line	without 1 needle-free valve	—	20	A2581NF
	Cyto-Set® Line	Without needle-free valves, with 0.2µm filter	—	20	A2582NF
	<i>Application (for gravity infusion)</i>				
	Cyto-Set® Infusion	with 3 needle-free valves	—	20	A1687
	Cyto-Set® Infusion	with 5 needle-free valves and AirStop membrane	—	20	A1686SNF
	<i>Application (for Infusomat® Space pump)</i>				
	Cyto-Set®	with 3 needle-free valves	—	20	8250917SP
	Cyto-Set®	with 5 needle-free valves	—	20	8250817SP
	Cyto-Set®	with 3 needle-free valves	●	20	8250920SP
	Cyto-Set®	with 5 needle-free valves	●	20	8250820SP
	Cyto-Set®	with 5 needle-free valves, with 0.2µm filter	—	20	8250414SP
	Cyto-Set® Pump adapter	with 4 needle-free valves,	—	20	A1673S0

Exadrop® – Precision IV flow regulator for gravity infusion



- Saves frequent readjustment
- Easy optimization of the IV infusion rate
- Control of the flow volume independent of the tubing
- Exact reproducibility of infusion rate adjustments for restarting infusions
- Slide clamp for short-term interruption of infusion
- Screw-tight Luer-Lock fitting

Article	With I.V. Set Intrafix® Primeline	Tubing length (cm)	Specifications	Sales Unit/ pcs.	Ref. no.	PVC-free	Latex-free
Exadrop®	●	180	W/o injection site	50	4061284	—	●
Exadrop® Neutrapur®	●	150	PVC-free tubing, w/o injection site	50	4062264	●	●
Exadrop® Safeflow	●	150	Y-injection site with Safeflow® needle-free valve	50	4061276	—	●
Exadrop® Inline	—	54		50	4061306	—	●

! The scale values serve as a guide and refer to an infusion with 0,9% NaCl solution using a Vasofix® G18 Braunüle IV cannula and a difference in height of 76 cm between the I.V. container and the patient. Other conditions will result in different values. Therefore, it is absolutely necessary to monitor the drip rate by comparison checks.

Dosifix® – Volume control IV administration set with dosage burette



- Universal, vented piercing spike
- Bacteria-tight proven air vent, closable with snap cap
- Dosage container 150 ml, with fine graduation and injection site (latex)
 - automatic shut-off swim valve to prevent air embolism
 - micro dropper, 20 drops = 1 ml ± 0.1 ml (aqua dist.)
 - flexible lower part of drip chamber
 - 15 µm fluid filter
- Two roller clamps with piercing-spike covering
- Y-injection site
- Screw-tight Luer-Lock fitting

Article	Tubing length (cm)	Specifications	Sales Unit/ pcs.	Ref. no.	PVC-free	Latex-free
Dosifix®	180	needle-based Y-injection site	25	4037014	—	●

Sangofix® / Sangofix® Air – Blood administration set



- With 200 µm blood filter basket in drip chamber
- Fully transparent dome offers visibility for accurate flow rate measurement
- Elastic pump chamber allows easy and quick set-up of fluid level
- Flexible drip chamber with high fluid level, rapid and easy adjustment of fluid level
- Roller clamp with piercing-spike covering

Article	Description	Tubing length (cm)	Filter area	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
Sangofix®	Non-vented blood administration set for blood bags, Spinlock, PrimeStop	150	11 cm ²	100	4117301	–	●
	Non-vented blood administration set for blood bags	180	11 cm ²	100	4034228	–	●
Sangofix® Air	Vented blood administration set for glass bottles	180	11 cm ²	100	4116011F	–	●

Sangopur® – Blood administration set



- 2-step filter mesh width 80/40 µm
- Convenient drip chamber design with highly transparent upper part
- Extended, detached drip element provides even drop formation
- Flexible drip chamber with high fluid level, rapid and easy adjustment of fluid level
- Roller clamp with piercing-spike covering
- Screw-tight Luer-Lock fitting
- DEHP-free

Article	Description	Tubing length (cm)	Filter area	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
Sangopur®	Non-vented blood administration set for blood bags	150	10/22 cm ²	50	4146581	–	●

Sangopur® Paed-Set



- With 40 µm blood filter
- Female luer-lock connector
- Fully transparent dome offers visibility for accurate flow rate measurement
- Elastic pump chamber allows easy and quick set-up of fluid level
- Flexible drip chamber with high fluid level, rapid and easy adjustment of fluid level
- DEHP-free

Article	Description	Tubing length (cm)	Filter area	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free
Sangopur® Paed-Set	Vented blood administration set for glass bottles	4	11 cm ²	100	4146492	●	●

Caresite® – Luer Access Device

For safe and convenient access in infusion therapy.



CLOSED SYSTEM

ANTT

User benefits

- Protects against microbiological contamination**
 - Smooth, swabable surface
 - Clear design
 - Open fluid path
- Prevents catheter occlusion**
 - Positive displacement (valve design)
- Ease of use**
 - High pressure resistant
 - Easy to access
 - Drug compatible (lipids and cremophor)








Easy to visually inspect.

Easy to clean.

Easy to grip.

Easy to connect.



	Description	Length (cm)	Priming volume (ml)	Tubing Inner Ø (mm)	PVC-free	DEHP, Latex-free	Sales Unit/ pcs.	Ref. no.
	Caresite® Luer Access Device	-	0.22	-	●	●	200	415122-01
Extension Sets with Caresite® valve								
	Small bore extension set with Caresite®, Spinlock (high pressure - for power injectors)	20	0.5	1.3	●	●	100	470100-01
	Standard bore extension set with Caresite®, Spinlock	15	0.9	2.8	●	●	100	470108-01
	Small bore double extension set with 2 Caresite®, Spinlock	18	0.9	1.3	●	●	50	470106-01
	Small bore double extension set with 2 Caresite®, 2 BCV, Spinlock	22	1.6	1.3	●	●	100	470182
	Small bore triple extension set with 3 Caresite®, Spinlock	20	1.3	1.3	●	●	50	470160
	Small bore triple extension set with 3 Caresite®, 3 BCV, Spin-Lock	22	2.0	1.3	●	●	50	470161

Safeflow – Needle-free infusion system

The valve that makes infusion so simple!



CLOSED SYSTEM

- Allows convenient and safe needle-free access for injection, aspiration or parallel infusions as a closed system.
- Compatible with Luer-Slip and Luer-Lock
- Suitable for all IV systems
- Swabable

Product Type	Description	PVC-free	DEHP-free	Latex-free		Sales Unit/ pcs.	Ref. no.
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Safeflow valve, blue



50

409100H



Safeflow valve, red



50

409110H

Product Type	Description	PVC-free	DEHP-free	Latex-free	Tubing length (cm)	Sales Unit/ pcs.	Ref. no.
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Smallbore Extension Set with Safeflow valve



10

50

4097154



Smallbore Y-Extension Set with two Safeflow valves



12

50

4097145



Smallbore Y-Extension Set with two Safeflow valves and back-check valve



12

50

4097148



Luer-Lock



Luer-Slip

Safsite® – Safety connector for infusion systems



- Automatic mechanism allows safer and needle-free access
- Safsite® can be connected to infusion and transfusion administration sets, tubings and lines, stopcock systems, central venous catheters, IV catheters and cannulas
- For administering drugs, for taking blood, for infusion solutions
- Connection of a syringe or an infusion line to Safsite® safety connector simultaneously opens the system and establishes a safe access

Product name	Description	Sales Unit/ pcs.	Ref. no.	PVC-, DEHP- and Latex-free
Safsite®	Safety connector with blue cap	100	4091000	●







Infuvalve® Back Check Valve – Against Fluid Backflow during IV Therapy



- A normally closed valve, to be opened with low pressure
- Prevents backflow of fluid/blood into IV infusion line
- Performs against over- and under-dosage as well as against bolus infusions
- Maintains alarm function of pumps
- Functions in all positions

Product name	Without air vent	With built-in air vent	Tubing length (cm)	Sales Unit/ pcs.	Ref. no.	PVC-, DEHP- and Latex-free
Infuvalve® B.C.V. for parallel infusions	●			50	4094000N	●
Intrafix® Primeline, Infuvalve® B.C.V.		●	180	100	4063287	●
Intrafix® SafeSet, Infuvalve® B.C.V.		●	180	100	4063001	●



































































































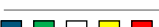



Closing cones, IN-Stopper, adapters and connectors

Article	Description	Sales Unit/ pcs.	Ref. no.	PVC-, DEHP- and Latex-free	
<i>Combi-stopper closing cones</i>					
	Combi red	Universal stopper to close female and male luer access ports	1000	4495101	●
	Combi blue		1000	4495152	●
	Combi white		1000	4495209	●
	Combi purple		1000	4495102	●
<i>Stopper closing cones</i>					
	Closing cone	Closing cone, luer-lock fitting	1000	4097076	●
<i>IN-stopper for injections through injection membrane</i>					
	IN-Stopper	With hygienic outer surface, contact-free luer taper, priming volume 0.16 ml	1000	4238010	●
<i>Adapters</i>					
	Combifix®	Female / female	1000	5206634	●
	Combifix®	Male / male	1000	5206642	●
	Combifix®	Luer female / Rekord male	1000	4090306	●

Discofix® C – The stopcock and manifold that resist stress cracking



- Allows convenient access for injections and aspirations by rotating adapter
- Lets you feel the proper setting by tactile response of every 45° turn
- Resists the hazardous effects of pharmaceuticals
- Maintains a leakproof connection even during long-term application
- Prevents leakage, contamination and air embolism

Stopcocks Drug Resistant	Color	Rotating adapter	Proximal Stopcock	Extension (cm)	Sales Unit/ pcs.	Ref. no.	PVC-free	DEHP-, Latex-free	
Discofix® C 3-way stopcocks 					100	16494C			
					100	16495C			
					100	16496C			
					100	16497C			
					10	50	16500C	–	
					10	50	16501C	–	
					25	50	16520C	–	
					50	50	16540C	–	
					75	50	16551C	–	
				100	50	16560C	–		
Discofix® C 3-way stopcocks with Safeflow 					100	16494CSF			
					100	16495CSF			
					10	50	16500CSF	–	
					10	50	16501CSF	–	
					25	50	16520CSF	–	
					50	50	16540CSF	–	
					75	50	16551CSF	–	
				100	50	16560CSF	–		
Discofix® C 3-gang manifolds 					50	16600C			
					50	16605C			
					180	50	16611C	–	
					150	50	16610C	–	
					150	50	16615C	–	
Discofix® C 5-gang manifolds 					40	16608C			
					40	16609C			
					150	40	16612C	–	
					150	40	16613C	–	
					180	40	16614C	–	

Intrapur® – Infusion filters

Intrapur® Plus
Intrapur® Paed
Intrapur® Neonat



- 0.2 µm filter
- Positively charged
- Bacteria retention
- Endotoxin retention
- Fungi retention
- Particle retention
- Air elimination
- Latex-free, DEHP-free

Intrapur® Lipid
Intrapur® Paed Lipid
Intrapur® Neonat Lipid



- 1.2 µm filter
- Low protein binding
- Fungi retention
- Particle retention
- Air elimination
- Latex-free, DEHP-free

Article	Filtration area (cm ²)	Flow rate (aqua dist., ml/min)	Filling volume		Tubings Ø (mm)	Max. operation Pressure of Filter housing	Time of use recommended	Sales Unit/ pcs.	Ref. no.
			Filter housing (ml)	total incl. tubing (ml)					
<i>Intrapur® Plus, Intrapur® Paed, Intrapur® Neonat (0.2 µm filter)</i>									
Intrapur® Plus	10	> 30	2.4	3.46	PVC* 2x4.1	3.1	96 h	50	4099800
Intrapur® Plus	10	> 30	2.4	4.54	PUR 3x4.1	3.1	96 h	50	4183916
Intrapur® Paed	4.5	> 10	0.7	1.19	PVC* 1.2x2.2	3.1	96 h	50	4099753
Intrapur® Neonat	1.65	> 2	0.4	0.79	PUR 1x2.35	5.2	96 h	50	4099451
Intrapur® Neonat	1.65	> 2	0.4	0.68	PUR 1x2.35	5.2	96 h	100	4185226
<i>Intrapur® Lipid, Intrapur® Paed Lipid, Intrapur® Neonat Lipid (1.2 µm filter)</i>									
Intrapur® Lipid	10	> 100	2.4	3.46	PVC* 2x4.1	3.1	24 h	50	4099702
Intrapur® Paed Lipid	4.5	> 90	0.7	0.7	No tubing	3.1	24 h	50	4093216
Intrapur® Paed Lipid	4.5	> 90	0.7	1.19	PVC* 1.2x2.2	3.1	24 h	50	4099850
Intrapur® Neonat Lipid	1.65	> 30	0.4	0.76	PUR 1x2.35	5.2	24 h	50	4099460

PVC* = PVC (DEHP-free)

Infusion filters – Recommendations

Solutions	Infusion filters	
Crystalloids / Drugs e.g. Sterofundin, Ringer, Sod. Chloride, Glucose, Amino acids	Intrapur® plus 0,2 µm, positively charged	
Lipids, e.g. Lipofundin, Lipidem	Intrapur® Lipid 1,2 µm	
Antibiotics	Intrapur® plus 0,2 µm, positively charged	
Volume Replacement, e. g. Gelatine	Intrapur® Lipid 1,2 µm or Intrapur® 0,2 µm via pressure infusion	
Blood	No infusion filter	
Cytostatics, e.g. Taxol	Sterifix 0,2 µm, non-charged	

Sterifix® - Infusion filters

Sterifix®
Sterifix® Paed
Sterifix® Neonat





- 0.2 µm filter
- Low protein binding
- Bacteria retention
- Fungi retention
- Particle retention
- Air elimination
- Latex-free, DEHP-free








Article	Filtration area (cm ²)	Flow rate (aqua dist., ml/min)	Filling volume		Tubings ø (mm)	Max. operation Pressure of Filter housing	Time of use recommended	Sales Unit/ pcs.	Ref. no.
			Filter housing (ml)	total incl. tubing (ml)					
<i>Sterifix®, Sterifix® Paed, Sterifix® Neonat (0.2 µm filter)</i>									
Sterifix®	10	> 30	2.4	3.46	PVC 2x4.1	3.1	24 h	50	4099303
Sterifix®	10	> 30	2.4	4.54	PUR 3x4.1	3.1	24 h	50	4184637
Sterifix® Paed	4.5	> 10	0.7	0.7	No tubing	3.1	24 h	50	4099354
Sterifix® Neonat	1.65	> 2	0.4	0.76	PUR 1x2.35	5.2	24 h	50	4099257


PVC* = PVC (DEHP-free)


Sterifix® - Injection and aspiration filters

Article	Particle retention	Bacteria retention	Special features	Pore size	Sales Unit/ pcs.	Ref. no.
Sterifix® injection filter 	●	●	Suitable as syringe filter Lock fitting	0.2 µm	200	4099206
Sterifix® Pury 	●		Suitable as syringe filter Lock fitting	5 µm	100	4551001

Extension sets

Article	Tubing length (cm)	Priming volume (ml)	Inner Ø (mm)	Latex-, DEHP-free	Description	Sales Unit/ pcs.	Ref. no.
<i>LS-connectors</i>							
	LS-2	15	1.6	3.0	●	Two flexible connectors	100 4097122
	LS-4	35	4.5	3.0	●	Four flexible connectors, roller clamp	100 4097149
	LS-5	35	2.5	3.0	●	Five rigid connectors, IN-Stopper, roller clamp	100 4097157
<i>Connection tubing with injection port</i>							
		14	1.1	3.0	●	With needle-free injection port	100 4247116
<i>Back-check valve extension set</i>							
		20	1.8	3.0	●	Two flexible connectors with back-check valves	100 471980
<i>Extension lines Type Heidelberg</i>							
		30	2.1	3.0	●		100 4097300
		75	5.3	3.0	●		100 4097173
		100	7.1	3.0	●		100 4097262
		140	9.9	3.0	●		100 4097408
		190	13.4	3.0	●		100 4097190
		320	22.6	3.0	●		100 4097130
<i>Extension lines Type Minimum Volume</i>							
		30	0.3	1.2	●	Luer-slip connector	100 4256000
		30	0.3	1.2	●	Luer-lock connector	100 4256034
		30	2.0	0.9	●	Luer-lock connector	100 9500049

Article	Inner Ø (mm)	Tubing length (cm)	Color	Sales Unit/ pcs.	Ref. no.
<i>Single lumen</i>					
	1 mm	150	<input type="checkbox"/>	50	4092937
	1 mm	300	<input type="checkbox"/>	50	4092945
	1 mm	500	<input type="checkbox"/>	50	4092953
	1 mm	700	<input type="checkbox"/>	50	4092961
	1 mm	850	<input type="checkbox"/>	50	4092970
	2 mm	150	<input type="checkbox"/>	50	4090365
	2 mm	300	<input type="checkbox"/>	50	4090373
	2 mm	500	<input type="checkbox"/>	50	4090438
	2 mm	700	<input type="checkbox"/>	50	4090381
	2 mm	850	<input type="checkbox"/>	50	4090390

<i>Double lumen</i>					
	1 mm	300	<input type="checkbox"/> <input type="checkbox"/>	50	4091736
	1 mm	300	<input type="checkbox"/> <input type="checkbox"/>	50	4091752
	1 mm	700	<input type="checkbox"/> <input type="checkbox"/>	50	4093607
	1 mm	850	<input type="checkbox"/> <input type="checkbox"/>	50	4091728
	2 mm	300	<input type="checkbox"/> <input type="checkbox"/>	50	4093830
	2 mm	500	<input type="checkbox"/> <input type="checkbox"/>	40	4093850
	2 mm	700	<input type="checkbox"/> <input type="checkbox"/>	30	4093870
	2 mm	850	<input type="checkbox"/> <input type="checkbox"/>	25	4093885

<i>Triple lumen</i>					
	1 mm	150	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093115
	1 mm	300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093130
	1 mm	500	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093150
	1 mm	700	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093170
	1 mm	850	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093185
	2 mm	150	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093215
	2 mm	300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	50	4093230
	2 mm	500	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	40	4093250
	2 mm	700	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	25	4093270
	2 mm	850	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	25	4093285

Lengths	150 cm	300 cm	500 cm	750 cm	850 cm
Diameter 2 x 3.2 mm / Filling Volume	4.7 ml	9.9 ml	15.7 ml	22 ml	26.7 ml
Flow Rate ml/min (BS)	ca. 61	ca. 40	ca. 28	ca. 20	ca. 17
Diameter 1 x 1.9 mm / Filling Volume	1.2 ml	2.3 ml	3.9 ml	5.5 ml	6.6 ml
Flow Rate ml/min (BS)	ca. 6.0	ca. 3.5	ca. 2.5	ca. 1.7	ca. 1.5











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Vasofix® Safety – Shielded IV Catheter with injection port

Protects you and your healthcare team against needlestick injuries and related infections.



- Complete portfolio for every vein condition, puncture site and patient age in two material types (FEP + PUR)
- Easy puncture at a wide range of angles because of optimized back cut bevel
- Minimum effort of catheter insertion
- Self-activating clip-technology => covers needle tip automatically after use
- Hygienic injection of medication via injection port without an extra needle or risk of needlestick injury
- PVC-free, latex-free

Color	Size		Vasofix® Safety		Stylet 
	G	Ø mm	FEP	PUR (Certon®)	
 yellow	24 x 3/4"	0.7 x 19	–	4269071S-01	–
 blue	22 x 1"	0.9 x 25	4268091S-01	4269098S-01	4215095
 pink/white	20 x 1"	1.1 x 25	–	4269217S-01	4215117
 pink	20 x 1 1/4"	1.1 x 33	4268113S-01	4269110S-01	4219104
 green/white	18 x 1 1/4"	1.3 x 33	4268334S-01	4269330S-01	4219139
 green	18 x 1 3/4"	1.3 x 45	4268130S-01	4269136S-01	4219120
 white	17 x 1 3/4"	1.5 x 45	4268156S-01	4269152S-01	4215150
 grey	16 x 2"	1.7 x 50	4268172S-01	4269179S-01	4219171
 orange	14 x 2"	2.2 x 50	4268210S-01	4269225S-01	4219201

Introcan Safety® – Shielded IV Catheter

Protects you and your healthcare team against needlestick injuries and related infections



- Complete portfolio for every vein condition, puncture site and patient age in two material types (FEP + PUR)
- Easy puncture at a wide range of angles because of optimized back-cut bevel
- Minimum effort of catheter insertion
- Self-activating clip technology => covers needle tip automatically after use
- PVC-free, latex-free

Color	Size		Straight or Winged	Introcan Safety®		Stylet
	G	Ø mm		FEP	PUR (Certon®)	
■ yellow	24 x 3/4"	0.7 x 19	S	4252500-01	4251601-01	–
■ yellow	24 x 3/4"	0.7 x 19	W	4254503-01	4253523-01	–
■ blue	22 x 1"	0.9 x 25	S	4252519-01	4251628-01	4214099
■ blue	22 x 1"	0.9 x 25	W	4254511-01	4253540-01	4214099
■ pink/white	20 x 1"	1.1 x 25	S	4252543-01	4251652-01	–
■ pink/white	20 x 1"	1.1 x 25	W	4254546-01	4253574-01	–
■ pink	20 x 1 1/4"	1.1 x 32	S	4252535-01	4251644-01	4214110
■ pink	20 x 1 1/4"	1.1 x 32	W	4254538-01	4253566-01	4214110
■ pink	20 x 1 3/4"	1.1 x 45	S	4252527-01	–	–
■ green/white	18 x 1 1/4"	1.3 x 32	S	4252560-01	4251687-01	4214323
■ green/white	18 x 1 1/4"	1.3 x 32	W	4254562-01	4253604-01	4214323
■ green	18 x 1 3/4"	1.3 x 45	S	4252551-01	4251679-01	4214137
■ green	18 x 1 3/4"	1.3 x 45	W	4254554-01	4253590-01	4214137
■ grey	16 x 1 1/4"	1.7 x 32	S	4252586-01	4251709-01	–
■ grey	16 x 2"	1.7 x 50	S	4252578-01	4251695-01	4214170
■ grey	16 x 2"	1.7 x 50	W	4254570-01	4253612-01	4214170
■ orange	14 x 1 1/4"	2.2 x 32	S	4251890-01	–	–
■ orange	14 x 2"	2.2 x 50	S	4252594-01	4251717-01	4214218
■ orange	14 x 2"	2.2 x 50	W	4254597-01	4253639-01	4214218



Venofix® Safety – Safety Winged IV Needle



- Safety venipuncture set for short-term injection, infusion and transfusion
- Optimized steel needle ensures an atraumatic puncture
- DEHP-free, kink resistant and highly transparent tubing
- Easy activation of safety mechanism during handling procedure
- Possibility of in-vein activation – no exposure to contaminated needle
- Audible click assures the reliable activation of in-built safety mechanism
- Once locked, the mechanism stays locked

User benefits for safe application

- Simple one-hand activation of the safety feature
- In-vein activation reduces exposure to the needle
- Integrated finger stopper for additional protection
- No risk of inadvertent activation
- Large flexible wings ensure convenient handling

Color	Size		Tubing length (cm)	Flow rate (ml/min)	Residual volume (ml)	Ref. No.
	G	mm				
grey		0.4 x 14	30	2.1	0.69	4056501-01
orange	25	0.5 x 19	30	5.9	0.69	4056502-01
blue	23	0.65 x 19	30	14.3	0.69	4056503-01
green	21	0.8 x 19	30	32.4	0.69	4056504-01
green	21	0.8 x 19	18	34.8	0.51	4056506-01
yellow	19	1.1 x 19	30	60.2	0.69	4056505-01










Useful length: 19 mm, Luer-Lock fitting with closing cone

Sales unit 500 pcs.

IV Catheter with injection port, catheter made of FEP or PUR



- With four embedded X-ray contrast lines
- Specially shaped catheter tip and needle with backcut bevel for minimal puncture trauma
- Self-closing injection valve
- Flexible fixation wings, sloped supporting surface to compensate the cannula inclination
- Grip design for one-handed puncture technique
- Hydrophobic blood stopper
- Removable closing cone
- Lock fitting
- PVC-free, latex-free

Color	Size		Vasofix®		Stylet
	G	Ø mm	FEP	PUR (Certon®)	
 yellow	24 x 3/4"	0.7 x 19	—	4269071	—
 blue	22 x 1"	0.9 x 25	4268091B	4269098	4215095
 pink/white	20 x 1"	1.1 x 25	—	4269217	4215117
 pink	20 x 1 1/4"	1.1 x 33	4268113B	4269110	4219104
 green/white	18 x 1 1/4"	1.3 x 33	4268334B	4269330	4219139
 green	18 x 1 3/4"	1.3 x 45	4268130B	4269136	4219120
 white	17 x 1 3/4"	1.5 x 45	4268156B	4269152	4215150
 grey	16 x 2"	1.7 x 50	4268172B	4269179	4219171
 orange	14 x 2"	2.2 x 50	4268210B	4269225	4219201



Sales Unit/ pcs.: 200 pcs. (4 x 50 pcs.)

IV Catheter with or without fixation wing, catheter made of FEP or PUR



- With four embedded X-ray contrast lines
- Specially shaped catheter tip and needle with back bevel for minimal puncture trauma
- Grip design for one-handed puncture technique
- Highly transparent blood flash-back chamber
- Hydrophobic blood stopper
- Lock fitting
- PVC-free, latex-free

Color	Size		Straight or Winged	Introcan®		Stylet
	G	Ø mm		FEP	PUR (Certon®)	
yellow	24 x 3/4"	0.7 x 19	S	4252071B	4251300	—
yellow	24 x 3/4"	0.7 x 19	W	4254074B	4253302	—
blue	22 x 1"	0.9 x 25	S	4252098B	4251318	4214099
blue	22 x 1"	0.9 x 25	W	4254090B	4253310	4214099
pink	20 x 1 1/4"	1.1 x 32	S	4252110B	4251326	4214110
pink	20 x 1 1/4"	1.1 x 32	W	4254112B	4253329	4214110
green/white	18 x 1 1/4"	1.3 x 32	S	4252322B	4251342	4214323
green/white	18 x 1 1/4"	1.3 x 32	W	4254325B	4253345	4214323
green	18 x 1 3/4"	1.3 x 45	S	4252136B	4251334	4214137
green	18 x 1 3/4"	1.3 x 45	W	4254139B	4253337	4214137
grey	16 x 2"	1.7 x 50	S	4252160B	4251350	4214170
grey	16 x 2"	1.7 x 50	W	4254171B	4253353	4214170
orange	14 x 2"	2.2 x 50	S	4252217B	4251369	4214218
orange	14 x 2"	2.2 x 50	W	4254210B	4253361	4214218

Sales Unit/ pcs.: 200 pcs. (4 x 50 pcs.)

Venofix® A – Venipuncture set



- Venipuncture sets for short-term injection, infusion, transfusion
- Puncture needle made of chrome-nickel steel with micro-siliconized bevel
- Interlocking wings with structured grip surface
- Kink-resistant, flexible and transparent tubing, length 30 cm
- Color-coded
- Luer-Lock fitting
- Closing cone lock
- Extension tubing 300 mm
- **DEHP-free**

Color	Needle Gauge	Needle		Sales Unit/ pcs.	Ref. no.	DEHP-free	Latex-free
		outer ø	length				
ivory	19 G	1.1	10	200	4056310	●	●
green	21 G	0.8	15	200	4056337	●	●
black	22 G	0.7	20	200	4056345	●	●
blue	23 G	0.65	20	200	4056353	●	●
purple	24 G	0.55	20	200	4056361	●	●
orange	25 G	0.5	20	200	4056370	●	●
grey	27 G	0.4	20	200	4056388	●	●

Injekt® - 2-piece single-use syringes 1 - 20 ml



- Made of Polypropylene / Polyethylene
 - PVC-, DEHP-, and Latex-free
 - Silicone oil-free
 - Green plunger for easy recognition of the filling volume
 - Smooth and steady plunger action
 - Safe plunger back-stop for easy aspiration up to the maximum volume
 - Black graduation for ideal contrast and readability
 - High barrel transparency simplifies inspection of the syringe content
 - Extended graduation allows for exact dosage beyond the nominal volume and encourages the use of small-volume syringes for intermediate volumes
- | | |
|----------------|---------------------|
| <i>nominal</i> | <i>usable up to</i> |
| 2 ml | 3 ml |
| 5 ml | 6 ml |
| 10 ml | 12 ml |
| 20 ml | 24 ml |
- Produced according to ISO 7886-1
 - Box of 100 pcs.

Description	Graduation	Cone	Fitting	Encl. Sterican® needle	Sales Unit/pck.	Ref. no.
<i>Injekt®-F - 1 ml fine dosage syringe with "displacement spike" (reduces residual volume)</i>						
Injekt® -F Solo 1 ml	0.01 ml	centric	Luer-Slip		18	9166017V
Injekt® -F Duo 1 ml	0.01 ml	centric	Luer-Slip	G 25 x 5/8"	18	9166033V
Injekt® 1 ml Heparin				G 25 x 5/8"		9166106V
Injekt® 1 ml Heparin						9166254V
<i>Injekt® 2 ml - 20 ml Solo (without needle)</i>						
Injekt® Solo 2 ml	0.1 ml	centric	Luer-Slip		25	4606027V
Injekt® Solo 2 ml	0.1 ml	centric	Luer-Lock		25	4606701V
Injekt® Solo 5 ml	0.2 ml	eccentric	Luer-Slip		20	4606051V
Injekt® Solo 5 ml	0.2 ml	centric	Luer-Lock		20	4606710V
Injekt® Solo 10 ml	0.5 ml	eccentric	Luer-Slip		12	4606108V
Injekt® Solo 10 ml	0.5 ml	centric	Luer-Lock		12	4606728V
Injekt® Solo 20 ml	1.0 ml	centric	Luer-Lock		8	4606736V
Injekt® Solo 20 ml	1.0 ml	eccentric	Luer-Slip		8	4606205V
<i>Injekt® 2 ml - 20 ml Duo (with enclosed needle)</i>						
Injekt® Duo 2 ml	0.1 ml	centric	Luer-Slip	G 23 x 1 1/4"	25	4645022V
Injekt® Duo 5 ml	0.2 ml	eccentric	Luer-Slip	G 22 x 1 1/4"	20	4645057V
Injekt® Duo 10 ml	0.5 ml	eccentric	Luer-Slip	G 21 x 1 1/2"	12	4645103V
Injekt® Duo 20 ml	1.0 ml	eccentric	Luer-Slip	G 21 x 1 1/2"	8	4645200V

Omnifix® - 3-piece single use syringes 1 ml - 100 ml



- Piston with double sealing ring for slow aspiration and injection
- Made of Polypropylene / Polyisoprene
- PVC-, DEHP-, and Latex-free
- Easily noticeable backstop to prevent unintentional withdrawal of plunger from barrel
- Black graduation for ideal contrast and readability
- High barrel transparency simplifies inspection of the syringes content
- Produced according to ISO 7886-1
- Box of 100 pcs.

Description	Graduation	Cone	Fitting	Encl. Sterican® needle	Sales Unit/pck.	Ref. no.
<i>Omnifix®-F - 1 ml fine dosage syringe (e.g. tuberculin, allergy testing)</i>						
Omnifix®-F Solo 1 ml	0.01 ml	centric	Luer-Slip		18	9161406V
Omnifix®-F Duo 1 ml	0.01 ml	centric	Luer-Slip	G 25 x 5/8"	18	9161465V
<i>Omnifix®-H Solo - 1 ml (with heparin graduation)</i>						
Omnifix®-H Solo 1 ml						9162607V
Omnifix®-H Solo 1 ml						9162909V
<i>Omnifix® 2 ml - 30 ml Solo (without needle)</i>						
Omnifix® Solo 2 ml	0.1 ml	centric	Luer-Slip		25	4616022V
Omnifix® Solo 2 ml	0.1 ml	centric	Luer-Lock		25	4617029V
Omnifix® Solo 3 ml	0.1 ml	centric	Luer-Slip		25	4616025V
Omnifix® Solo 3 ml	0.1 ml	centric	Luer-Lock		25	4617022V
Omnifix® Solo 5 ml	0.2 ml	eccentric	Luer-Slip		20	4616057V
Omnifix® Solo 5 ml	0.2 ml	centric	Luer-Lock		20	4617053V
Omnifix® Solo 10 ml	0.5 ml	eccentric	Luer-Slip		12	4616103V
Omnifix® Solo 10 ml	0.5 ml	centric	Luer-Lock		12	4617100V
Omnifix® Solo 20 ml	1.0 ml	eccentric	Luer-Slip		8	4616200V
Omnifix® Solo 20 ml	1.0 ml	centric	Luer-Lock		8	4617207V
Omnifix® Solo 30 ml	1.0 ml	eccentric	Luer-Slip		6	4616308F
Omnifix® Solo 30 ml	1.0 ml	centric	Luer-Lock		6	4617304F

Omnifix® – 3-piece single use syringes 2 ml – 100 ml

Article	Graduation	Cone	Fitting	Encl. Sterican® needle	Sales Unit/ pck.	Ref. no.
<i>Omnifix® 2 ml - 20 ml Duo (with enclosed needle)</i>						
Omnifix® Duo 2 ml	0.1 ml	centric	Luer-Slip	G 23 x 1 1/4"	25	4643100V
Omnifix® Duo 3 ml	0.1 ml	centric	Luer-Slip	G 23 x 1 1/4"	25	4643102V
Omnifix® Duo 5 ml	0.2 ml	eccentric	Luer-Slip	G 22 x 1 1/4"	20	4643119V
Omnifix® Duo 10 ml	0.5 ml	eccentric	Luer-Slip	G 21 x 1 1/2"	12	4643127V
Omnifix® Duo 20 ml	1.0 ml	eccentric	Luer-Slip	G 21 x 1 1/2"	8	4643135V
<i>Omnifix® 50 ml</i>						
Omnifix® (60ml) Solo	1.0 ml	eccentric	Luer-Slip		1	4616502F
Omnifix® (60ml) Solo	1.0 ml	centric	Luer-Lock		1	4617509F
Omnifix® (60ml) Solo	1.0 ml	centric	Catheter fitting		1	4613503F
<i>Omnifix® 50 ml - with aspiration grip and luer adapter</i>						
Omnifix® (60 ml) Solo	1.0 ml	centric	Catheter fitting		1	4613554F
<i>Omnifix® 100 ml - with aspiration grip and luer adapter</i>						
Omnifix® Solo	2.0 ml	centric	Catheter fitting		1	4614003F

Extended graduation allows for exact dosage beyond the nominal volume and encourages the use of small-volume syringes for intermediate volumes:

nominal	usable up to
2 ml	2.5 ml
10 ml	12 ml
50 ml	60 ml

Sterican® – Single use hypodermic needles



- Thin-walled needles made of stainless, chromium-nickel steel and extremely smooth surface
- 3-facet - long and short bevel
- Transparent Luer-Lock plastic hub made of Polypropylene, colour-coded
- Colour-coded dispenser box for quick identification by size
- Dispenser boxes containing 100 needles

Indication	Color code	Pravaz	Short bevel	G / inch	mm	Ref. no.
Intramuscular, subcutaneous, intravenous and intra-arterial	yellow	1		G 20 x 1 1/2"	0.90 x 40	4657519
	green	2		G 21 x 1 1/2"	0.80 x 40	4657527
	black	12		G 22 x 1 1/4"	0.70 x 30	4657624
	blue	14		G 23 x 1 1/4"	0.60 x 30	4657640
	blue	16		G 23 x 1"	0.60 x 25	4657667
	purple	17		G 24 x 1"	0.55 x 25	4657675
	brown	18		G 26 x 1"	0.45 x 25	4657683
	grey	20		G 27 x 3/4"	0.40 x 20	4657705
Phlebotomy, blood sampling	pink		●	G 18 x 1 1/2"	1.20 x 40	4665120
	ivory		●	G 19 x 1 1/2"	1.10 x 40	4665112
Intramuscular	pink		●	G 18 x 2"	1.20 x 50	4667123
	ivory			G 19 x 2"	1.10 x 50	4665511
	yellow		●	G 20 x 2"	0.90 x 50	4667093
	green			G 21 x 2"	0.80 x 50	4665503
Deep intramuscular	yellow			G 20 x 2 3/4"	0.90 x 70	4665791
	green			G 21 x 3 1/8"	0.80 x 80	4665465
Neural therapy	green			G 21 x 4 3/4"	0.80 x 120	4665643
	blue			G 23 x 2 3/8"	0.60 x 60	4665600
	blue			G 23 x 3 1/8"	0.60 x 80	4665635
Insulin	brown			G 26 x 1/2"	0.45 x 12	4665457
	grey			G 27 x 1/2"	0.40 x 12	4665406
	yellow			G 30 x 1/2"	0.30 x 12	4656300
Heparin, tuberculin	orange			G 25 x 5/8"	0.50 x 16	4657853
Blood sampling	ivory			G 19 x 1 1/2"	1.10 x 40	4657799
	ivory			G 19 x 1 1/4"	1.10 x 30	4665317
	yellow			G 20 x 1"	0.90 x 25	4657500
	green			G 21 x 1"	0.80 x 25	4657543
	black			G 22 x 1 1/2"	0.70 x 40	4660021

Sterican® – Single use hypodermic special needles

Indication	Color code	Short bevel	G / inch	mm	Ref. no.
Miscellaneous indications	black		G 22 x 2"	0.70 x 50	4650018
	pink		G 18 x 1 1/2"	1.20 x 40	4650034
	light green	●	G 14 x 3 1/8"	2.10 x 80	4665473

Sterican® blunt – Single use hypodermic needles, without bevel

Indication	Color code	G / inch	mm	Ref. no.
For draw up and irrigation	green	G 21 x 7/8"	0.80 x 22	9180109
	grey	G 27 x 1"	0.40 x 25	9180117

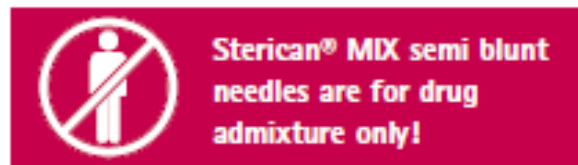
Sterican® – Single use hypodermic needles, dental

Indication	Color code	G / inch	mm	Ref. no.
Upper and lower jaw, conduction anesthesia Infiltration anesthesia, jaw incisors, upper and lower jaw Nerve block anesthesia	orange	G 25 x 1"	0.50 x 25	9186158
	orange	G 25 x 1 1/2"	0.50 x 40	9186166
	grey	G 27 x 1"	0.40 x 25	9186174
	grey	G 27 x 1 1/2"	0.40 x 40	9186182

Sterican® Mix – Blunt needles (for drug admixture)



- 40° and 90° blunt needles
- Thin-walled cannula for faster draw-up
- Minimizes the risk of needle-stick injuries
- Made of stainless, chromium-nickel steel
- Made of Polypropylene (needle hub)
- Red coloured hub and protective cap for clear differentiation (40°)
- Box of 100 pcs.



Color code	G / inch	Needle bevel	Ø x mm	Ref. no.
red	G 18 x 1 1/2"	semi blunt (40°)	1.20 x 40	4550400-01
pink	G 18 x 1 1/2"	blunt (90°)	1.20 x 40	4038088-01

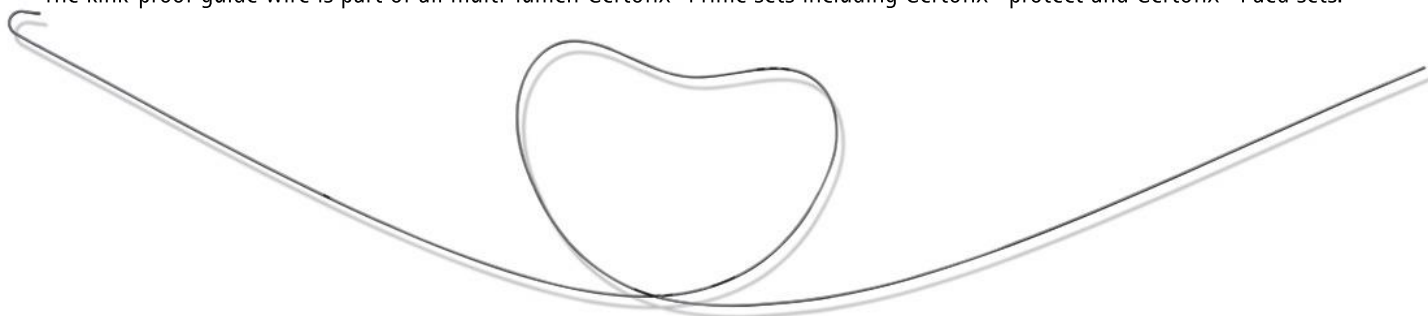
Kink-Proof Guide Wire and Valve Needle – The ultimate tools for safe catheter placement

The new kink-proof guide wire from B. Braun makes placement of central venous catheter safe and easy even when confronted with difficult anatomical situation. The material of the guide wire flexibly adapts to the course of the vein but remains firm enough for easy advancement. When encountering anatomical obstacles the kink-proof guide wire does not bend or kink but resumes its straightness immediately after passing the barrier.

The kink-proof guide wire makes catheter insertion smooth by

- Its kink-proof flexibility
- Optimized tensile strength and
- Ideal ratio of flexibility and resilience

The kink-proof guide wire is part of all multi-lumen Certofix® Prime sets including Certofix® protect and Certofix® Paed sets.



B. Braun offers in all V-sets a unique introducer needle with a second hub. This allows the user to introduce the guide wire through the second hub without the need for removing the syringe from the introducer needle before. The medical doctor saves time after vein puncture and has a low risk of wrong manipulation and missing the vein.

The V-sets of B. Braun offer an unique combination of safety components which fits into each like a puzzle:



- Safe cannulation of the vein with the valve needle
- Quick, blood-free introduction of the guide wire via the second hub
- Smooth advancement of the kink-proof guide wire thanks to extreme flexibility but adequate stiffness
- Atraumatic soft tip and perfectly manufactured catheter surface reduce risk of endothelial damage
- A Safsite® valve on each lumen prevents the life-threatening risk of air embolism due to unintended loosening of the infusion lines.

B. Braun Certofix®: more certainty, more safety, more success

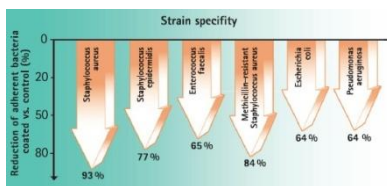
Certifix® protect – Antipathogenic central venous catheter for long-term protection against catheter infection



Certifix® Trio protect

The newly developed Certifix® protect catheter from B. Braun brings together all the essential features to reduce the rate of complication in critically ill patients.

- Polyurethane catheter with surfaces chemically modified to repel bacteria efficiently
- Active agents are irreversibly bonded and fixed to the catheter surface – no leaching could occur even during long-term use
- Chemical groups are well-known and highly tolerated by humans to avoid any adverse reactions like allergic sensitization reactions.
- Antiseptic groups made of polyhexanide and hydrophilic groups give the Certifix® protect a unique combination of antibacterial and anti-thrombogenic effect
- First and only catheter with antibacterial lumen protection up to the hub ideally suited for long-term treated patients in the ICU

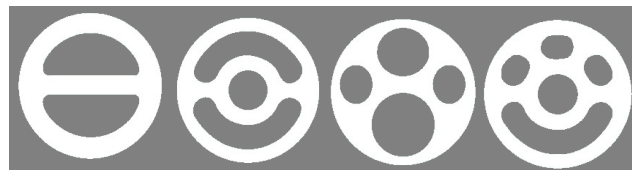


Efficiency of Certifix® protect against various bacterial strains.

Product description:

- Multi-lumen polyurethane catheter with chemically modified lumen from soft tip to hub and modified external surface from soft tip to junction hub
- Antibacterial surface modification to prevent adhesion and growth of gram-positive and gram-negative bacteria
- Efficient against most important pathogens: MRSA, Staphylococcus aureus, Staphylococcus epidermidis, Enterococcus faecalis, Escherichia coli, Pseudomonas aeruginosa
- Anti-thrombogenic surface modification without heparine to reduce risk of thrombus aggregation
- Surface modification is bonded to catheter material for almost indefinite mode of action
- 2, 3, 4 and 5-lumen catheter sets
- 2 and 3-lumen HighFlow catheter sets
- Kink-proof guide wire and valve needle as introducer needle
- Green clamp on extension line for quick identification

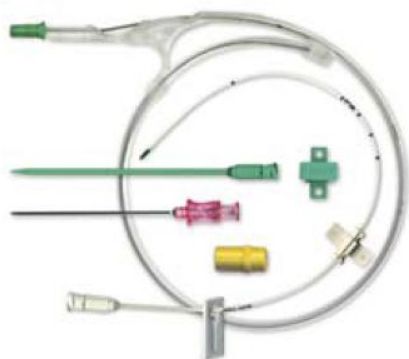
Certofix® protect – Multi-lumen catheter for prevention of catheter colonization



Product	Code	Needle Size, Length, mm/inch	Guide wire ø x Length mm x cm	Catheter			Sales Unit/ pcs.	Ref. no.
				F	Length cm/inch	Channels G		
Certofix® protect Duo	V715	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	15/6"	16/16	10	4166159P
Certofix® protect Duo	V720	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	20/8"	16/16	10	4161211P
Certofix® protect Duo	V730	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	30/12 "	16/16	10	4161319P
Certofix® protect Duo HF	V720	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	20/8"	14/18	10	4168534P
Certofix® protect Trio	V715	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	15/6"	16/16/18	10	4162153P
Certofix® protect Trio	V720	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	20/8"	16/16/18	10	4163214P
Certofix® protect Trio	V730	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7	30/12 "	16/16/18	10	4163311P
Certofix® protect Trio HF	V1220	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	12	20/8"	16/12/12	10	4160622P
Certofix® protect Quattro	V815	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8	15/6"	16/18/18/12	10	4167767P
Certofix® protect Quattro	V820	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8	20/8"	16/18/18/12	10	4167775P
Certofix® protect Quattro	V830	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8	30/12 "	16/18/18/12	10	4167783P
Certofix® protect Quinto	V1220	G18, 70 / 2 7/9"	0.89 x 50 <i>(kink-proof)</i>	12	20/8 "	16/18/18/18 /12	10	4166868P

Introducer needle: V = Valve needle

Certofix® Mono – Single lumen Seldinger sets with selected components



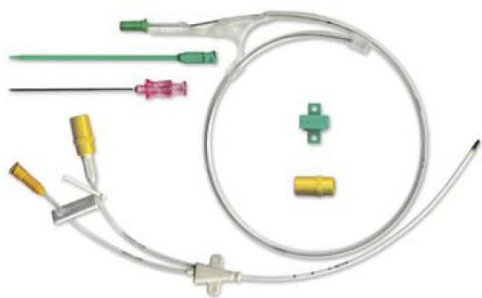
- Catheter made of highly biocompatible polyurethane
- Soft tip to reduce venous trauma
- Safety bag with Seldinger introducer needle, latex-free closing cone, dilator
- Opaque, X-ray detectable catheter with length marking
- Moveable fixation wing
- Transparent extension line with side clamp for short-term interruption
- Nitinol guide wire with one J-tip and one straight tip
- Ergonomic dispenser for easy guide wire advancement



Code	Needle		Kink-proof Guide wire ø x length mm x cm	Catheter			Sales Unit/ pcs.	Ref. no.
	G	Length mm/inch		Size	ø mm	Length cm/inch		
<i>Single lumen polyurethane catheter with soft tip, slide clamp, moveable fixation wing, guide wire with J-tip, dilator, Seldinger introducer needle, closing cone</i>								
Mono 215	S, 20	50/2"	0.63 x 50	4F/18G	1.4	15/6"	10	4160185E
Mono 220	S, 20	50/2"	0.63 x 50	4F/18G	1.4	20/8"	10	4160207E
Mono 315	S, 18	70/2 7/9"	0.89 x 50	5F/16G	1.7	15/6"	10	4160223E
Mono 320	S, 18	70/2 7/9"	0.89 x 50	5F/16G	1.7	20/8"	10	4160258E
Mono 330	S, 18	70/2 7/9"	0.89 x 70	5F/16G	1.7	30/12"	10	4160282E
Mono 415	S, 18	70/2 7/9"	0.89 x 50	6F/14G	2.1	15/6"	10	4160509E
Mono 420	S, 18	70/2 7/9"	0.89 x 50	6F/14G	2.1	20/8"	10	4160304E
Mono 430	S, 18	70/2 7/9"	0.89 x 70	6F/14G	2.1	30/12"	10	4160762E

Introducer needle, S = Seldinger needle

Certofix® Duo/Trio – Multi-lumen Seldinger sets with selected components



- Catheter made of highly biocompatible polyurethane
- Soft tip to reduce venous trauma
- Safety bag with Seldinger introducer needle, closing cones & dilator
- Opaque, X-ray detectable catheter with length marking
- Moveable fixation wing
- Latex-free closing cone for each lumen
- Transparent extension line with side clamp for short-term interruption
- Nitinol guide wire with one J-tip and one straight tip
- Ergonomic dispenser for easy guide wire advancement



Code	Needle		Kink-proof Guide wire ø x length mm x cm	Catheter			Sales Unit/ pcs.	Ref. no.
	G	Length mm/inch		Size	ø mm	Length cm/inch		
<i>Double lumen polyurethane catheter with soft tip, slide clamps, moveable fixation wing, guide wire with J-tip, dilator , 2 closing cones, Seldinger introducer needle</i>								
Duo 715	S, 18	70/2 7/9"	0.89 x 50	7F	2.4	15/6"	10	4164156E
Duo 720	S, 18	70/2 7/9"	0.89 x 50	7F	2.4	20/8"	10	4162200E
Duo 730	S, 18	70/2 7/9"	0.89 x 70	7F	2.4	30/12"	10	4162307E
<i>Triple lumen polyurethane catheter with soft tip, slide clamps, moveable fixation wing, guide wire with J-tip, dilator , 3 closing cones, Seldinger introducer needle</i>								
Trio 715	S, 18	70/2 7/9"	0.89 x 50	7F	2.4	15/6"	10	4161157E
Trio 720	S, 18	70/2 7/9"	0.89 x 50	7F	2.4	20/8"	10	4163206E
Trio 730	S, 18	70/2 7/9"	0.89 x 70	7F	2.4	30/12"	10	4163303E

Introducer needle, S = Seldinger needle

Certofix® Mono – Comprehensive single lumen catheter sets (Seldinger method)



- Catheter made of highly biocompatible polyurethane
 - Opaque, X-ray detectable catheter with length marking
 - Transparent extension line with side clamp
- Soft tip to reduce venous trauma
- Ready-to-use set components provided inside safety bag: Dilator, Safsite® valve, ECG connection cable, 5 ml Omnifix® lock syringe (included in all V-sets)
- Integrated and moveable fixation wing (for all sets with catheter length > 15 cm, except of Mono S 215 and Mono V 215)
- Highly flexible steel guide wire with one J-tip and one straight tip
- Different introducer needles: S = Seldinger needle; V = Valve needle



Code	Needle			Guide wire ø x length mm x cm	Catheter			Sales Unit/ pcs.	Ref. no.
	Type	G	length mm/inch		Size	ø mm	length cm/inch		
<i>Vena jugularis</i>									
S 215	S	20	50/ 2"	0.63 x 50	4F/18G	1.4	15/6"	10	4160185
V 215	V	20	50/ 2"	0.63 x 50	4F/18G	1.4	15/6"	10	4160193
S 315	S	18	70/2 7/8"	0.89 x 50	5F/16G	1.7	15/6"	10	4160223
V 315	V	18	70/2 7/8"	0.89 x 50	5F/16G	1.7	15/6"	10	4160231
S 320	S	18	70/2 7/8"	0.89 x 50	5F/16G	1.7	20/8"	10	4160258
V 320	V	18	70/2 7/8"	0.89 x 50	5F/16G	1.7	20/8"	10	4160266
S 415	S	18	70/2 7/8"	0.89 x 50	6F/14G	2.1	15/6"	10	4160509
V 415	V	18	70/2 7/8"	0.89 x 50	6F/14G	2.1	15/6"	10	4160517
S 420	S	18	70/2 7/8"	0.89 x 50	6F/14G	2.1	20/8"	10	4160304
V 420	V	18	70/2 7/8"	0.89 x 50	6F/14G	2.1	20/8"	10	4160320
<i>Vena subclavia</i>									
S 220	S	20	50/ 2"	0.63 x 50	4F/18G	1.4	20/8"	10	4160207
V 220	V	20	50/ 2"	0.63 x 50	4F/18G	1.4	20/8"	10	4160215
S 330	S	18	70/2 7/8"	0.89 x 70	5F/16G	1.7	30/12"	10	4160282
V 330	V	18	70/2 7/8"	0.89 x 70	5F/16G	1.7	30/12"	10	4160290
S 430	S	18	70/2 7/8"	0.89 x 70	6F/14G	2.1	30/12"	10	4160762
V 430	V	18	70/2 7/8"	0.89 x 70	6F/14G	2.1	30/12"	10	4160789

Certofix® Duo/Trio – Comprehensive multi-lumen catheter sets



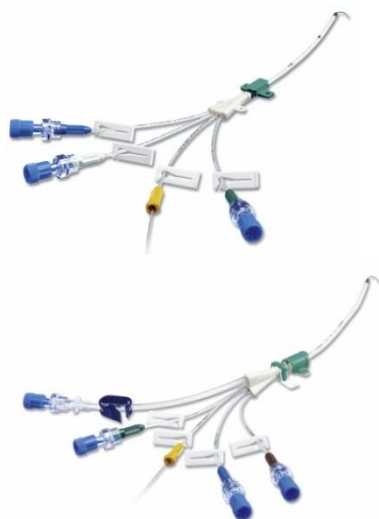
Certofix® Duo – Double lumen catheter

- Kink-proof guide wire with unsurpassed flexibility with J-tip and one straight tip
- Catheter made of highly biocompatible polyurethane
 - Opaque, X-ray detectable catheter with length marking
 - Transparent extension line with side clamp
- Ready-to-use set components provided inside safety bag: Dilator, Safsite® valves for each hub, ECG connection cable, scalpel E11 type, 5 ml Omnifix® lock syringe (included in all V-sets)
- Soft tip to reduce venous trauma
- Integrated and moveable fixation wing
- Different introducer needles:
 - S = Seldinger needle; V = Valve needle

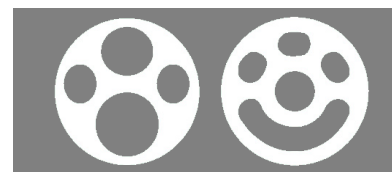


Code	Needle		Guide wire ø x length mm x cm	Catheter				Sales Unit/ pcs.	Ref. no.
	ø Type	Length mm/inch		Size	Outer ø mm	Length cm/inch	Channels G		
Certofix® Duo – Double lumen catheter									
S 715	18G S	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	15/6"	16/16	10	4164158
V 715	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	15/6"	16/16	10	4166159
S720	18G S	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	20/8"	16/16	10	4167385
V 720	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	20/8"	16/16	10	4161211
S 730	18G S	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	7 F	2.4	30/12"	16/16	10	4167394
V 730	18G V	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	7 F	2.4	30/12"	16/16	10	4161319
Certofix® Trio – Triple lumen catheter									
S 715	18G S	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	15/6"	16/18/18	10	4161159
V 715	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	15/6"	16/18/18	10	4162153
S720	18G S	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	20/8"	16/18/18	10	4167408
V 720	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	7 F	2.4	20/8"	16/18/18	10	4163214
S 730	18G S	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	7 F	2.4	30/12"	16/18/18	10	4163306
V 730	18G V	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	7 F	2.4	30/12"	16/18/18	10	4163311

Certofix® Quattro/Quinto – Comprehensive multi-lumen catheter sets (Seldinger method)



- Kink-proof guide wire with unsurpassed flexibility with J-tip and one straight tip
- Catheter made of highly biocompatible polyurethane
 - Opaque, X-ray detectable catheter with length marking
 - Transparent extension line with side clamp
- Soft tip to reduce venous trauma
- Ready to use set components provided inside safety bag: Dilator, Safsite® valve for each hub, ECG connection cable, scalpel E11 type, 5 ml Omnifix® lock syringe (included in all V-sets)
- Integrated and moveable fixation wing
- Different introducer needles: S = Seldinger needle; V = Valve needle



Code	Needle		Guide wire ø x length mm x cm	Catheter				Sales Unit/ pcs.	Ref. no.
	ø Type	Length mm/inch		Size	Outer ø mm	Length cm/inch	Channels G		
Certofix® Quattro – Four lumen catheter									
V 815	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8F	2.8	15/6"	16/18/18/14	10	4167767
V 820	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8F	2.8	20/8"	16/18/18/14	10	4167775
V 830	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	8F	2.8	30/12"	16/18/18/14	10	4167783
Certofix® Quinto – Five lumen catheter									
V 1215	18G V	70/2 7/9"	0.89 x 50 <i>(kink-proof)</i>	12F	4.0	15/6"	16/18/18/18/12	10	4166841
S 1220	18G S	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	12F	4.0	20/8"	16/18/18/18/12	10	4166852
V 1220	18G V	70/2 7/9"	0.89 x 70 <i>(kink-proof)</i>	12F	4.0	20/8"	16/18/18/18/12	10	4166868

Introducer needle: V = Valve needle S = Seldinger needle

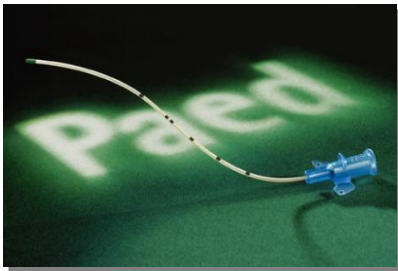
Certofix® Duo HF/Trio HF – High flow (HF) catheter for High Flow Infusion



Code	Needle			Guide wire ø x length mm x cm	Catheter				Sales Unit/ pcs.	Ref. no.
	Type	G	length mm/inch		F	Outer ø mm	length cm/inch	Channels G		
<i>Double lumen polyurethane catheter with 2 large bore channels , soft tip, kink-proof guide wire with J-tip, 2 Safsite® valves, dilator, Omnifix® 5 ml lock syringe, movable fixation clip, ECG cable, introducer</i>										
S 715	S	18	70/2 7/9"	0.89 x 50 (kink-proof)	7	2.4	15/6"	14/18	10	4168502
V 715	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	7	2.4	15/6"	14/18	10	4168518
S 720	S	18	70/2 7/9"	0.89 x 50 (kink-proof)	7	2.4	20/8"	14/18	10	4168528
V 720	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	7	2.4	20/8"	14/18	10	4168534
V 920	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	9	3.0	20/8"	13/13	10	4167511
V 1215	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	15/6"	11/11	10	4167538
V 1220	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	20/8"	11/11	10	4167546
<i>Triple lumen polyurethane catheter with 2 large bore channels 12 G and one channel 16 G, soft tip, kink-proof guide wire with J-tip, 3 Safsite® valves, dilator, Omnifix® 5 ml lock syringe, movable fixation clip, ECG cable, introducer</i>										
S 1215	S	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	15/6"	16/12/12	10	4160578
V 1215	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	15/6"	16/12/12	10	4160614
S 1220	S	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	20/8"	16/12/12	10	4160586
V 1220	V	18	70/2 7/9"	0.89 x 50 (kink-proof)	12	4.0	20/8"	16/12/12	10	4160622

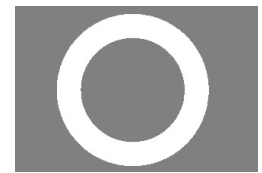
Introducer needle: V = Valve needle S = Seldinger needle

Certofix® Mono Paed – Single lumen central venous catheter for pediatrics and neonatology (Seldinger method)



Certofix® Mono Paed

- Catheter made of PUR with soft catheter tip
 - opaque, X-ray detectable, with length markings
 - secure fixation with transparent wing fitting
- Kink-proof guide wire with unsurpassed flexibility with J-tip and one straight tip
- S = Seldinger needle G21 (0.8 x 38 mm)
- Infusion extension line, 23 cm, lock
- Blade scalpel fig. E 11 and ECG connection cable
- Discifix® 3-way stopcock



Code	Needle			Kink-proof guide wire mm	Catheter			Sales Unit/ pcs.	Ref. no.
	Type	G	length (mm/inch)		G	Outer ø (mm)	length cm/Inch		
S 110	S	21	38/ 1 1/2"	0.46 x 250	22	0.9	10/5"	10	4160177

Certofix® Duo/Trio Paed – Multi-lumen central venous catheter for pediatrics (Seldinger method)



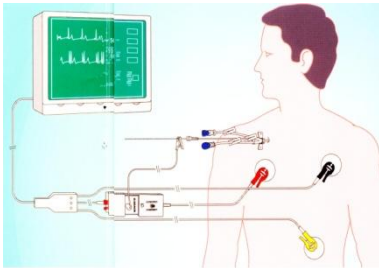
Certofix® Duo Paed with Teddy Bear fixation and Certofix® Trio Paed (here Teddy Bear fixation not shown)

- Catheter made of PUR with soft catheter tip
 - opaque, X-ray detectable, with length markings
 - color-coded fittings with Safsite® valves
- Soft, self-adhesive catheter fixation plaster in form of Teddy Bear for stitch free catheter fixation
- Kink-proof guide wire with unsurpassed flexibility with flexible J-tip and straight tip
- S = Seldinger needle G21 (0.8 x 38 mm)
- Omnifix® lock syringe, 5 ml
- Dilator, Blade scalpel fig. E11, ECG connection cable
- Movable fixation clip
- Safsite® valve to avoid air embolism



Code	Needle			Kink-proof guide wire ø x length mm x cm	Catheter				Sales Unit/ pcs.	Ref. no.
	Type	G	length mm/inch		F / G	Outer ø (mm)	length cm/inch	Channels G		
<i>Certofix® Duo Paed – double lumen catheter</i>										
S 408	S	21	38/ 1 1/2"	0.46 x 50	4/18	1.2	8/3 1/5"	22/22	10	4166906
S 413	S	21	38/ 1 1/2"	0.46 x 50	4/18	1.2	13/5 1/5"	22/22	10	4166922
S 420	S	21	38/ 1 1/2"	0.46 x 50	4/18	1.2	20/8"	22/22	10	4166949
S 508	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	8/3 1/5"	18/20	10	4167112
S 513	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	13/5 1/5"	18/20	10	4167139
S 520	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	20/8"	18/20	10	4167155
<i>Certofix® Trio Paed – triple lumen catheter</i>										
S 508	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	8/3 1/5"	20/22/22	10	4167228
S 513	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	13/5 1/5"	20/22/22	10	4167244
S 520	S	21	38/ 1 1/2"	0.46 x 50	5/16	1.7	20/8"	20/22/22	10	4167260

Controlling central venous catheter placement with intra-atrial ECG



- ➔ enables immediate corrective measures to be made in the case of initial incorrect positioning of the catheter
- ➔ helps to prevent subsequent complications, particularly the risk of pericardiac perforation and catheter-induced cardiac arrhythmias
- ➔ replaces the X-ray, thus reduces the time needed and costs involved

See CVC-partner No. 2 brochure (ref. no. 6042589) for more details.

Certodyn® Universal Adapter



- Rapid connection to any kind of ECG monitor
- May be switched from extracorporeal to intra-atrial ECG
- No x-ray required, no radiation exposure
- Effortless identification of the P wave, clear verification of position
- No subsequent re-catheterization due to incorrect positioning
- Medicolegal aspects: ECG position monitoring provides an equivalent level of documentation through accompanying ECG print-out as would be normally available by X-ray position monitoring.

Alphacard® – CVC placement verification without x-ray

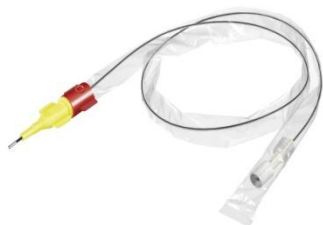


ECG control of catheter positioning with B. Braun Alphacard®

- Is quick and easy to handle
- Gives reliable signals
- Avoids hazardous x-ray's and
- Can be used during and after (!) placement of the central venous (Operating Theatre and ICU)
- Simple connection of syringe to distal hub of CVC and of electrode cable to Certodyn® Universal adapter

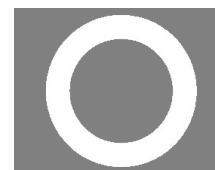
Article	Description	Ref. no.
Certodyn®	Universal adapter	4150228
Certodyn®	Universal adapter Paed	4150724
Alphacard®	Syringe with electrode cable to universal adapter for measurement of intra-atrial ECG	U1800401

Cavafix® - Single lumen „Catheter-through-cannula“ central venous catheter



Cavafix® Certo® Mono

- Cavafix® MT
 - made of polyethylene
 - easy placement due to semi-rigid catheter material
 - protective sheath for „No-touch“-technique
- Cavafix® Certo® Mono
 - made of polyurethane (Certon®)
 - transparent, three embedded X-ray contrast lines and catheter markings
 - catheter length embossed on fitting
 - protective catheter sheath
- Catheter brake and lock fitting
- With Braunüle® MT introducer cannula
- Stabilizing stylet for easier manipulation



Article	Code	Braunüle®		Catheter			Sales Unit/ pcs.	Ref. no.
		G	length (mm/inch)	G	inner x outer ø (mm)	length (cm/inch)		
<i>Vena jugularis</i>								
Cavafix® MT	134	18	40/ 1 3/5"	20	0.5 x 0.9	32/13"	50	4286340
<i>Vena jugularis</i>								
Cavafix® Certo® Mono	255	16	50/2"	18	0.8 x 1.4	45/18"	50	4152557
Cavafix® Certo® Mono	335	14	50/2"	16	1.1 x 1.7	32/13"	50	4153359
Cavafix® Certo® Mono	355	14	50/2"	16	1.1 x 1.7	45/18"	50	4153553
Cavafix® Certo® Mono	455	12	50/2"	14	1.4 x 2.1	45/18"	50	4154550
<i>Vena subclavia</i>								
Cavafix® Certo® Mono	257	16	70/2 7/9"	18	0.8 x 1.4	45/18"	50	4152573
Cavafix® Certo® Mono	338	14	80/3 1/5"	16	1.1 x 1.7	32/13"	50	4153383
Cavafix® Certo® Mono	358	14	80/3 1/5"	16	1.1 x 1.7	45/18"	50	4153588
Cavafix® Certo® Mono	458	12	80/3 1/5"	14	1.4 x 2.1	45/18"	50	4154584
<i>Vena basilica</i>								
Cavafix® Certo® Mono	275	16	50/2"	18	0.8 x 1.4	70/28"	50	4152751
Cavafix® Certo® Mono	375	14	50/2"	16	1.1 x 1.7	70/28"	50	4153758
Cavafix® Certo® Mono	475	12	50/2"	14	1.4 x 2.1	70/28"	50	4154754

Cavafix® Duo – Double lumen „Catheter-through-cannula“ central venous catheter



Cavafix® Duo with guide wire and Splittocan® Introducer

- Catheter made of polyurethane (Certon®)
 - soft catheter tip, X-ray detectable, opaque
 - with 2 Safsite® valves
 - color-coded lock fittings
 - catheter brake
 - protective catheter sheath
 - fixation clip
- Splittocan® introducer cannula
 - splittable Braunüle® can be removed following insertion of the catheter
- Guide wire with J-tip for signal conduction
- ECG connection cable
- Sterile blade, fig. E11

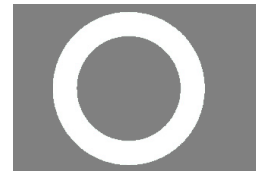


Article	Code	Splittocan®		Catheter				Sales Unit/ pcs.	Ref. no.
		G	length (mm/inch)	F	Outer ø (mm)	length (cm/inch)	Channels G		
<i>Polyurethane central venous catheter with two separate lumen, soft tip, one Safsite® valve, fixation clip, ECG cable, Splittocan® introducer needle</i>									
<i>Vena subclavia</i>									
Cavafix® Duo	458	12	80/3 1/5"	6	2.1	45/18"	16/18	10	4151828
<i>Vena basilica</i>									
Cavafix® Duo	475	12	50/2"	6	2.1	70/28"	16/18	10	4151836

Cavafix® Splittocan® – Single lumen „Catheter-through-cannula“ central venous catheter with splittable introducer needle



- Cavafix® Certo® Mono made of polyurethane
- Splittable introducer needle: Splittocan® G14
- 5 different lengths for access via jugular, subclavian and basilic vein
- Fixation plate for catheter fixation increases patient comfort during long-term treatment



Article	Code	Splittocan®		Catheter			Sales Unit/ pcs.	Ref. no.
		G	length (mm/inch)	G	∅ (mm)	length (cm)		
<i>Single lumen polyurethane central venous catheter, splittable introducer cannula 14G, fixation plate</i>								
<i>Vena jugularis</i>								
Cavafix® Splittocan®	335	14	50/2"	16	1.1 x 1.7	32	50	4173350
Cavafix® Splittocan®	355	14	50/2"	16	1.1 x 1.7	45	50	4173554
<i>Vena subclavia</i>								
Cavafix® Splittocan®	338	14	80/3 1/5"	16	1.1 x 1.7	32	50	4173384
Cavafix® Splittocan®	358	14	80/3 1/5"	16	1.1 x 1.7	45	50	4173589
<i>Vena basilica</i>								
Cavafix® Splittocan®	375	14	50/2"	16	1.1 x 1.7	70	50	4173759

Cavafix® Certodyn® – Single lumen „Catheter-through-cannula“ central venous catheter with guide wire for intra-atrial ECG lead



Cavafix® Certodyn®

- Cavafix® Certo® Mono catheter
- Braunüle® introducer cannula
- Guide wire with J-tip for easy manipulation and signal transduction
- ECG lead cable



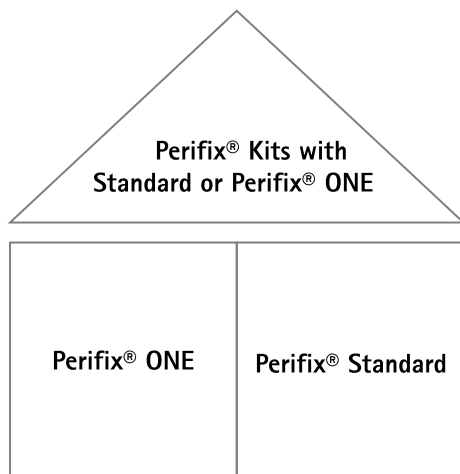
Article	Code	Braunüle®		Catheter			Sales Unit/ pcs.	Ref. no.
		G	length (mm/inch)	G	ø (mm)	length cm		
<i>Single lumen polyurethane central venous catheter, metal guide wire with J-Tip, Braunüle® introducer cannula, ECG lead cable</i>								
<i>Vena jugularis</i>								
Cavafix® Certodyn®	355	14	50/2"	16	1.1 x 1.7	45	50	4180550
<i>Vena basilica</i>								
Cavafix® Certodyn®	375	14	50/2"	16	1.1 x 1.7	70	50	4180755

Gauge/ French or Charriere Conversion

Gauge	Tolerance range for outer \varnothing	French = Charriere 1 French = 1 Charriere = 0,33 mm	Outer \varnothing
24	0.650 mm – 0.749 mm	2	0.67 mm
23			
22	0.750 mm – 0.949 mm		
21			
20	0.950 mm – 1.149 mm	3	1.00 mm
19			
18	1.150 mm – 1.349 mm	4	1.33 mm
17			
16	1.350 mm – 1.549 mm	5	1.67 mm
15			
14	1.850 mm – 2.249 mm	6	2.00 mm
13			
	2.250 mm – 2.549 mm	7	2.33 mm

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B. Braun Regional Anesthesia... eXpect more



Choices of B. Braun epidural anesthesia sets

Epidural Anesthesia is one of the most popular techniques of Regional Anesthesia and post-operative pain treatment.

B. Braun is committed to provide excellent products to our customers which help to improve their daily routine.

B. Braun is able to offer a comprehensive range of epidural sets matching all needs and placement techniques containing one of two catheter types:

- Perifix® ONE which is best in field due to the flexibility of the distal tip which avoids paresthesia and vascular damage
- Perifix® Standard made of polyamide for most routine application

Perifix® ONE Catheter – Comfort and capability at your finger tips



Perifix® ONE catheter with introduction guide

Perifix® ONE catheter consists of a stiff polyamide core which is covered by a soft polyurethane outer layer. The soft outer surface of the catheter helps to avoid spontaneous paresthesia and confers comfort to the patient. The stiff core material allows full control during advancement and manipulation.

Main characteristics of the Perifix® ONE catheter:

- High success rates and fewer complications, easy and safe to place
- Six instead of normally three laser drilled micro holes create complete blocks through perfect spread without the risk of kinking
- Yellow color for increased safety, no confusion with other infusion lines
- Excellent x-ray visibility plus transparent catheter of the highest safety level (clear identification with x-ray, MRI compatible, early detection of blood or CSF reflux)
- Flexible catheter tip (4 cm) plus thermoelastic effect offers more comfort to the patient



Bilayer construction of Perifix® ONE showing three x-ray contrast stripes embedded in the polyamide inner core



- Unique two layer epidural catheter with inner core of polyamide and outer layer of soft polyurethane
- Optimized performance of Perifix® ONE catheter regarding smooth gliding inside the Tuohy needle and necessary stiffness for introduction
- Extreme easy gliding L.O.R. syringe for proper tactile feeling and safe and easy identification of the epidural space
- Perifix® PinPad (optional) for increased patient comfort
- Yellow coloring of set components (filter, catheter, catheter connector) to avoid danger of mix-ups with infusion lines

Ref. no.	Article	Basic Components*	8 ml LOR syringe, Luer	Perifix® PinPad	Omnifix® syringes Luer-Lock	Sterican® needles	Sales Unit/ pcs.
<i>Perifix® ONE set with G18 x 3 1/4" (1.3 x 80 mm) or G18 x 4 3/4" (1.3 x 120 mm) Tuohy needle</i>							
4514211C	Perifix® ONE 421	G18 x 3 1/4"	●	●	2, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514203C	Perifix® ONE 420	G18 x 3 1/4"	-	●	2, 10, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514513C	Perifix® ONE 451	G18 x 3 1/4"	●	●	-	-	20
4514017C	Perifix® ONE 401	G18 x 3 1/4"	●	-	-	-	20
4514009C	Perifix® ONE 400	G18 x 3 1/4"	-	-	-	-	20
4514183C	Perifix® ONE 418	G18 x 4 3/4"	●	●	-	-	20
<i>Perifix® ONE set with G16 x 3 1/4" (1.7 x 80 mm) Tuohy needle</i>							
4514319C	Perifix® ONE 431	G16 x 3 1/4"	●	●	2, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514025C	Perifix® ONE 402	G16 x 3 1/4"	●	●	-	-	20

For detailed information about PinPad, L.O.R. syringe, Perifix filter see page 69 and Perifix catheter fixation see page 70.

*Basic Components:

- Perican® Tuohy G 18 x 3 1/4" or G18 x 4 3/4" (1.3 x 80 or 120 mm, outer ø x length) with Perifix® ONE catheter G20 x 40" (0.85 x 0.45 x 1000 mm, outer x inner ø x length) with closed tip, tapered tip with 3 pairs of microholes or Perican® Tuohy needle G16 x 3 1/4" (1.7 x 80 mm, outer ø x length) with Perifix® ONE catheter G19 x 40" (0.85 or 1.05 x 0.45 x 1000mm, outer x inner ø x length), closed end, tapered tip with 3 pair of microholes
- Introduction guide for Perifix® ONE catheter
- Perifix® epidural flat filter, 0.2 µm, pressure resistant up to 7 bar
- Perifix® catheter connector G20 - G24, yellow or G19, transparent
- Label "Epidural", yellow

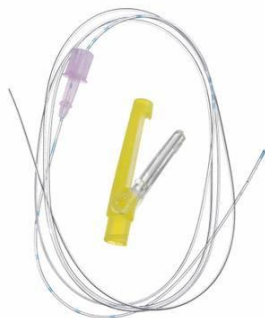
Perifix® ONE Paed – Filter sets for continuous epidural anesthesia / analgesia for small patients



Perifix® ONE Paed epidural sets in 20/24 G for newborns and infants, and 18/20 G for older children:

- Catheters with practice-related distance markings for pediatric use
- For safe catheter insertion and position control
- Tuohy needle with ½ cm marking for better control

Perican® (Tuohy needle)		Perifix® ONE Catheter		Perifix® Epidural filter	Syringes		Perifix® Pin Pad	Sales Unit/ pcs.	Ref. no.
G18 x 2" (1.3 x 50 mm) pink	G20 x 2" (0.9 x 50 mm) yellow	G20 x 38" (0.85 x 960 mm)	G24 x 29" (0.6 x 750 mm)		Omnifix® lock 2 ml	Perifix® L.O.R. 8 ml, luer			
●		●		●	●	●	●	10	4512006C
	●		●	●	●	●	●	10	4512014C

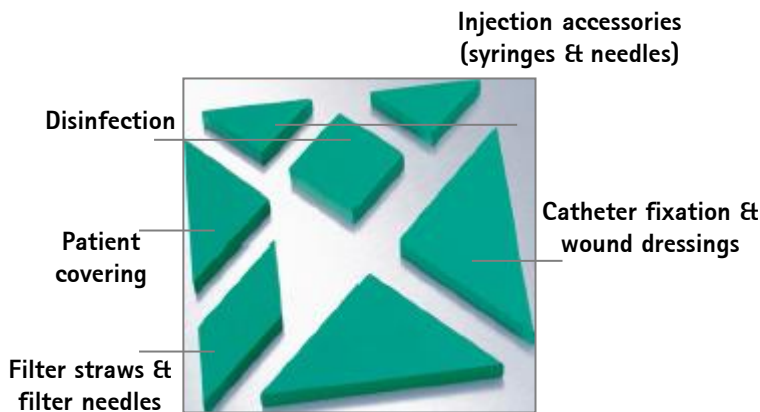


Perifix® Standard and Soft Tip catheters:

- Excellent shaft stability and kink resistance while still flexible for easy placement and removal
- Crystal clear for easy visualization of fluids
- Fully embedded x-ray lines and easy readable length markings for safe catheter placement

Ref. no.	Article	Perican® Tuohy needle	Epidural filter	8 ml LOR syringe, Luer	Perifix® PinPad	Omnifix® syringes Luer-Lock	Sterican® needles	Sales Unit/ pcs.
<i>Perifix® Standard set with G20 x 40" (0.85 x 1000 mm) catheter, central open tip</i>								
4516206	Perifix® 620	G18 x 3 1/4"	●	●	●	2, 10, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4511000	Perifix® 100	G18 x 3 1/4"	—	—	—	—	—	20
<i>Perifix® Standard set with Perican® G18 (1.3x 80 mm) and G20 x 40" (0.85 x 1000 mm) catheter or Perican® G16 (1.7 x 80 mm) and G19 x 40" (1.05 x 1000 mm) catheter, closed tip with 3 lateral eyes</i>								
4514211	Perifix® 421	G18 x 3 1/4"	●	●	●	2, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514203	Perifix® 420	G18 x 3 1/4"	●	—	●	2, 10, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514513	Perifix® 451	G18 x 3 1/4"	●	●	●	—	—	20
4514017	Perifix® 401	G18 x 3 1/4"	●	●	—	—	—	20
4514009	Perifix® 400	G18 x 3 1/4"	●	—	—	—	—	20
4513010	Perifix® 301	G18 x 3 1/4"	—	●	—	—	—	20
4513002	Perifix® 300	G18 x 3 1/4"	—	—	—	—	—	20
4514319	Perifix® 431	G16 x 3 1/4"	●	●	●	2, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514300	Perifix® 430	G16 x 3 1/4"	●	—	●	2, 10, 20 ml	G18 x 1 1/2", G21 x 1 1/2", G25 x 5/8"	10
4514025	Perifix® 402	G16 x 3 1/4"	●	●	—	—	—	20
4513029	Perifix® 302	G16 x 3 1/4"	—	●	—	—	—	20
4513100	Perifix® 310	G16 x 3 1/4"	—	—	—	—	—	20

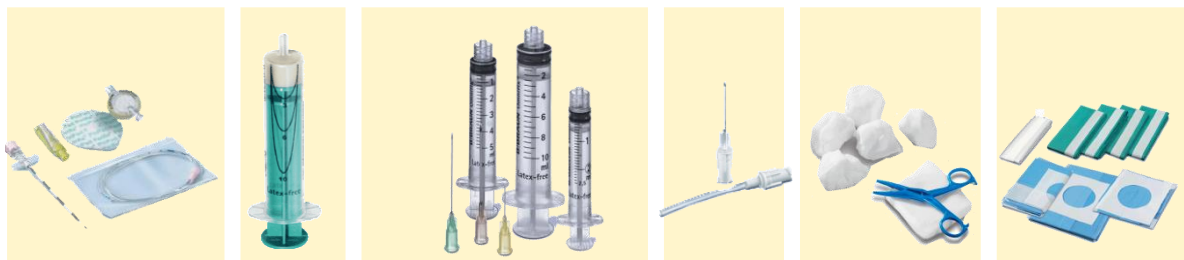
ProSet – The intelligent concept for optimizing your processes



- Spinal Anesthesia
- Epidural Anesthesia
- Combined Spinal & Epidural Anesthesia
- Peripheral Nerve Blocks







Safety only exists when all components in a process chain are optimally aligned with one another. The intelligent ProSet solution combines clinical requirements with your needs.

- Safety only exists when all components in a process chain are optimally aligned with one another. The intelligent ProSet solution combines clinical requirements with your needs.
- Tangram, the ancient Chinese puzzle consisting of seven pieces, is a synonym for the ProSet system solution. The individual alignment of Tangram pieces allows for a variety of combination options to form different mosaics.
- Similar to Tangram, we offer a range of selected components that can be used to fulfill your needs and medical requirements. ProSet's modular system helps to define standards and therefore increases the quality and safety of your work.
- ProSet – a variety of options to optimize your processes



Ref. no.	Article	Basic Components	LOR Syringe	Syringes and Needles	Accessory	Hygienic components	Drape	Sales Unit
4477308	Perifix® ONE	G18 x 3 1/4" Perican®, G20 x 1000 mm ONE catheter, 3 lateral eyes	Luer slip, 8 ml	3, 5, 10 ml Omnifix® Luer, Sterican G18 x 1 1/2", G26 x 1"	PinPad	2 prep sponges, 5 compress, 5 paper towel	75 x 90 cm/ 30"x36"; non-fenestrated	10
4476654	Perifix®	G18 x 3 1/4" Perican®, G20 x 1000 mm standard catheter, 3 lateral eyes	Luer slip, 8 ml	2, 5, 10ml Omnifix® Luer, Sterican G18 x 1 1/2", G26 x 1", G21 x 1 1/2"	Filter needle 1" (25mm), 5 µm PinPad	1 disposable forceps, 5 gaze pads, 5 compresses	45 x 75 cm/ 18"x30", fenestrated, 9 cm central hole	10
4459938	Perifix®	G18 x 3 1/4" Perican®, G20 x 1000 mm soft tip catheter, 3 lateral eyes	Luer slip, 8ml	5, 10ml Omnifix® Luer; Sterican G18 x 1 1/2", G23 x 1"	Filter straw 4" (100 mm), 5 µm PinPad	2 prep sponges, 5 compresses	45 x 75 cm/ 18" x 30", fenestrated, 9 cm central hole	10
4476263	Perifix® ONE	G18 x 3 1/4" Perican®, G20 x 1000 mm ONE catheter, 3 lateral eyes	Luer Lock, 8 ml	3, 5, 10ml Omnifix® Luer; Sterican G18 x 1 1/2", G21 x 1 1/2", G23 x 2 3/8", G26 x 1"	Filter straw 4" (100 mm), 5 µm PinPad	3 swab sticks, 5 compresses	45 x 75 cm/ 18" x 30", fenestrated, 9 cm decentral hole	10

Components of ProSet are packed in a tray with two separate depressions and wrapped with a field drape 75 x 90 cm (30"x36").

	Article	Description	Sales Unit/ pcs.	Ref. no.
<i>Perifix®- epidural catheter made of polyamide, length 100 mm, clear blue markings, completely embedded in the catheter material, threading assist guide and Perifix® catheter connector</i>				
<i>Perifix® ONE – polyamide/polyurethane bilayer catheter, length 1000 mm, threading assist guide , Perifix® catheter connector, label "Epidural"</i>				
	Perifix® catheter	G20 - 0.45 x 0.85 mm, closed tip, three lateral eyes	25	4513150
	Perifix® catheter	G19 - 0.6 x 1.05 mm, closed tip three lateral eyes	25	4513258
	Perifix® catheter	G20 - 0.45 x 0.85 mm, with central open tip	25	4513177
	Perifix® ONE catheter	G20 - 0,45 x 0,85 mm, closed tip, three pairs of micropores, yellow	25	4513150C
<i>Perifix® - catheter connector</i>				
	Perifix® catheter connector	Transparent - for G19 catheter	25	4513801
	Perifix® catheter connector	Yellow - for G20 and G24 catheter	25	4513800
<i>Perican® and Perican® Paed- epidural needle with Tuohy bevel</i>				
	Perican®	G18 x 4 1/4" - 1.3 x 120 mm - pink	25	4512453
	Perican®	G18 x 3 1/4" - 1.3 x 80 mm - pink	25	4512383
	Perican®	G18 x 6" - 1.3 x 150 mm - pink	25	4512200
	Perican®	G17 x 3 1/4" - 1.5 x 80 mm - red	25	4512588
	Perican®	G16 x 3 1/4" - 1.7 x 80 mm - white	25	4512782
	Perican® Paed	G18 x 2" - 1.3 x 50 mm - pink	25	4502302
	Perican® Paed	G20 x 2" - 0.9 x 50 mm - yellow	25	4502094
	Perican® Paed	G22 x 2" - 0.73 x 50 mm - black	25	4502078
<i>Epican® - epidural needle with 45° Crawford tip, Epican® Paed - caudal needle with 32° bevel</i>				
	Epican® Paed	G20 x 2" - 0.9 x 50 mm - yellow	25	4502426
	Epican® Paed	G22 x 1 3/8" - 0.73 x 35 mm - black	25	4502418
	Epican® Paed	G25 x 1 1/8" - 0.53 x 30 mm- orange	25	4502400
<i>Perifix® Loss of Resistance (L.O.R.) syringe</i>				
	Perifix® L.O.R.	Syringe for L.O.R. technique 8 ml, Luer-slip	25	4637100
	Perifix® L.O.R.	Syringe for L.O.R. technique 8 ml, Luer-Lock	25	4638107
<i>Perifix® filter and PinPad</i>				
	Perifix® filter	Epidural flat filter 0.2 µm, priming volume 0.55 ml, pressure resistant up to 7 bar	25	4515501
	Perifix® PinPad	Ideal fixation of Perifix® filter	25	4515510

Perifix® Catheter Fixation – The easy way of fixating a Regional Anesthesia catheter



- The Perifix® Catheter Fixation combines easy handling with enhanced catheter safety.
- Secondary catheter migration can be easily avoided.
- The examination of the puncture site is possible without the risk of repositioning the catheter during the indwelling time.

Features and user benefits

- Fixation ring: offers secure and easy fixation to prevent catheter migration
- Cover foil with non-adhesive center:
 - provides comfortable protection of puncture site
 - can easily be exchanged without risk of catheter displacement

Article	Description	Sales Unit/ pcs.	Ref. no.
Perifix® Catheter Fixation	Fixation ring and cover foil with non-adhesive center	25	4511200
Perifix® Catheter Fixation Cover	Cover foil with non-adhesive center	25	4511201



1 Remove paper from fixation ring.

2 Appropriately curl the Regional Anesthesia catheter around the puncture site.

3 Apply the fixation ring over the catheter, the catheter is fixed.

4 Remove paper from cover foil.

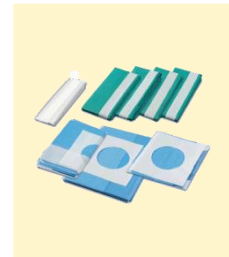
5 Apply the cover foil over the fixation ring.

6 Peel off the top paper of the cover foil.

7 Remove the top paper of the cover foil completely.



- Spinal Kits of B. Braun have been developed due to the request of anesthetists for high-quality procedure kits containing B. Braun spinal needles as a core component. A selection of components like filter straw or hygienic components or drapes have been added to form a complete Spinal Kit.
- According to personal habitudes the user can freely select between different components. Spinal Kits which have frequently been asked for by customers worldwide have been listed in the table below. If customers don't find an appropriate Kit, please inquire at B. Braun Melsungen for other Spinal Kits.



Ref. no.	Article	Spinal and introducer needle	Syringes and Needles	Accessory	Hygienic Components	Drape	Sales Unit/ pcs.
Sets with pencil point needle (Pencan®)							
4459237	Proset Pencan®	G25 x 3 1/2" Pencan®; G20 x 1 3/8"	3 ml, 5 ml Omnifix® Luer-slip, Sterican G21 x 1 1/2"; G26 x 1"	Filter straw 4", 5µm filter	2 prep sponges, 5 compresses, plaster 9x5 cm	45 x 75 cm; 18" x 30" fenestrated, 9 cm central hole	10
4470028	Proset Pencan®	G25 x 3 1/2" Pencan®; G20x 1 3/8"	3 ml, 5 ml Omnifix® Luer-slip, Sterican G21 x 1 1/2"; G26 x 1"	Filter needle 1", 5µm filter	1 disposable forceps, 5 gaze pads, 5 compresses	45 x 75 cm: 18" x 30" fenestrated, 10 cm central hole	10
4477663	Proset Pencan®	G27 x 3 1/2" Pencan®; G22x 1 3/8"	3 ml, 5 ml Omnifix® Luer-slip, Sterican G21 x 1 1/2"; G26 x 1"	Filter straw 4", 5µm filter	5 extra large gauze swabs, 5 gauze compresses, 1 disposable forecep	45 x 75 cm: 18" x 30" fenestrated, 9 cm decentral hole	10
4476425	Proset Pencan®	G27 x 3 1/2" Pencan®; G22 x 1 3/8"	3 ml, 5 ml, 10 ml Omnifix® Lock; Sterican® G18 x 1 1/2"; G21 x 1 1/2", G26 x 1"	—	2 prep sponges, 5 compresses	75 x 90 cm; 30" x 36", non-fenestrated	10

Pencan® / Spinocan® – Feel the difference in Spinal Anesthesia



Ergonomic Hub:

- Enhanced needle control
- Improved tactile feedback
- Better grip

Crystal Prism:

- Fast and easy identification of CSF flashback
- "Total reflection" – Prism shines silver before CSF enters the hub
- Transparency – Prism turns transparent when CSF enters the hub



User benefits

- Ergonomic hub designed for enhanced needle control, improved grip and tactile feedback
- Fast and easy identification of the CSF backflow in the needle hub
- Introducer design provides more usable spinal needle length
- Similar handling as with an epidural needle is possible

Spinocan®, **Pencan®**, **Atraucan®** – Needles for spinal anesthesia, diagnostic lumbar puncture and cytologic biopsies

Pencan®

- Total reflection effect
- Pencil point needle tip with lateral opening (like Whitacre® from B-D/Vygon or Sprotte® from Pajunk)
- Distinct feeling of the dural click

Atraucan®

- Special bevel design to reduce post dural puncture headache
- Two-zone atraumatic bevel design

Spinocan®

- With Quinke bevel



Color	Size	G / inch	mm	Spinocan®	Pencan®	Atraucan®	Sales Unit/ pcs.
pink	G18	G18 x 3"	1.3 x 75	4501373-13			25
		G18 x 3 1/2"	1.3 x 88	4501390-01			25
ivory	G19	G19 x 1 1/2"	1.1 x 40	4501144-13			25
		G19 x 3 1/2"	1.1 x 88	4501195-13			25
yellow	G20	G20 x 3"	0.9 x 75	4509757-13			25
		G20 x 3 1/2"	0.9 x 88	4509900-01			25
black	G22	G22 x 1 1/2"	0.7 x 40	4507401-13			25
		G22 x 3"	0.7 x 75	4507754-13			25
		G22 x 3 1/2"	0.7 x 88	4507908-01	4502035-13		25
		G25 x 1"	0.50 x 25		4502167-13		25
orange	G25	G25 x 2"	0.50 x 50		4502159-13		25
		G25 x 3"	0.50 x 75	4505751-01			25
		G25 x 3 1/2"	0.50 x 88	4505905-01	4502019-01		25
brown	G26	G26 x 1"	0.45 x 25			4504771	25
		G26 x 2"	0.45 x 50			4504763	25
		G26 x 3 1/2"	0.45 x 88	4502906-01			25
grey	G27	G27 x 2"	0.40 x 50		4502175-13		25
		G27 x 3 1/2"	0.40 x 88	4503902-01	4502027-01		25

All spinal needles with transparent lock hub and color-coded stylet hub. Whitacre® is a trademark of Becton-Dickinson. and Sprotte® from Pajunk.

Extra long spinal needles



Color	Size		Spinocan®	Pencan®	Atraucan®	Sales Unit/ pcs.
	G / inch	mm				
■ black	G22 x 4 3/4"	0.70 x 120	4506090-13			25
■ orange	G25 x 4 3/4"	0.50 x 120	4505913-13	4502120-13		25
	G25 x 6 1/4"	0.50 x 156,5		333877		25
■ brown	G26 x 4 3/4"	0.45 x 120	4504917-13			25
■ grey	G27 x 4 3/4"	0.40 x 120	4502140-13			25
	G27 x 4 3/4"	0.40 x 120		4502132-13		25
■ red	G29 x 4 3/4"	0.33 x 120	4501918-13			25

Spinal needle sets with introducer needles



Color	Size		Introducer Needle	Spinocan®	Pencan®	Atraucan®	Sales Unit/ pcs.
	G / inch	mm					
<i>Spinal needle sets with introducer needle</i>							
■ orange	G25 x 3 1/2"	0.50 x 88	G20 x 1 3/8"		4502043-13		25
	G25 x 4"	0.53 x 103	G20 x 1 3/8"		4502116-13		25
■ brown	G26 x 3 1/2"	0.45 x 88	G20 x 1 3/8"			4504739	25
■ grey	G27 x 3 1/2"	0.40 x 88	G22 x 1 3/8"		4502051-13		25
	G27 x 4"	0.42 x 103	G22 x 1 3/8"		4502124-13		25
■ red	G29 x 3 1/2"	0,33 x 88	G22 x 1 3/8"	4501900-13			25
<i>Introducer needles</i>							
	G20	G20 x 1 3/8"	0.9 x 35	introducer needle for Spinocan®, Pencan® and Atraucan®, spinal needles up to max. 0.53 mm (G25)		4505000-13	25
	G22	G22 x 1 3/8"	0.7 x 35	introducer needle for Spinocan® and Pencan®, spinal needles up to max. 0.47 (G27)		4500059-13	25

All spinal needles with transparent lock hub and color-coded stylet hub.

Espocan® – Combined Spinal / Epidural Anesthesia Set (CSE)



System for Combined Spinal–Epidural Anesthesia

Combined Spinal Epidural Anesthesia (CSE) combines the advantages of Spinal and Epidural Anesthesia, the two major and well-established Regional Anesthesia techniques, which are used extensively in surgery and pain relief. The conventional single interspace needle-through-needle approach was further improved by the development of a special Tuohy needle with an aperture (a back-eye) in the curved tip and a spinal needle with a plastic centering sleeve. This is the core of the perfect team of highest quality and well proven devices including Perifix® LOR syringe, epidural catheter, catheter connector as well as the Perifix® filter with PinPad. The perfect team you can always rely on.

User benefits for safe application

Perfectly matching components for a safe procedure

- Back-eye in Tuohy needle for safe insertion of spinal needle
- Docking system for safe fixation of spinal needle
- Sleeved spinal needle for smooth exit through the Tuohy needle back-eye and optimal tactile feedback

Espocan® and Perifix® Standard	Size	Length (mm)	Needle ø (mm)	Length (inch)	Sales Unit/ pcs.	Ref. no.
	<i>With Quincke needle: Spinocan®</i>					
	27 G	125.5	0.42	5"	10	4556674
<i>With Pencil point needle: Pencan®</i>						
	27 G	125.5	0.42	5"	10	4556674

All sets include:

- Perifix® Standard catheter, 20 G, 3 lateral eyes
- Perican® epidural needle ø 1.3 mm, 18 G x 31/2"
- Perifix® Loss-of-Resistance (LOR) syringe, Luer-Slip
- Perifix® epidural flat filter 0.2 µm
- Perifix® PinPad – Perifix® catheter connector

Espocan® and Perifix® Soft Tip and Docking System	Size	Length (mm)	Needle ø (mm)	Length (inch)	Sales Unit/ pcs.	Ref. no.
	<i>With Quincke needle: Spinocan®</i>					
	27 G	136.5	0.42	5 ³ / ₈ "	10	4556747
<i>With Pencil point needle: Pencan®</i>						
	27 G	138.5	0.42	5 ³ / ₈ "	10	4556763

All sets include:

- Perifix® Soft Tip catheter, 20 G, 3 lateral eyes
- Docking system– Perican® epidural needle ø 1.3 mm, 18 G x 31/2"
- Perifix® Loss-of-Resistance (LOR) syringe, Luer-Slip
- Perifix® epidural flat filter 0.2 µm
- Perifix® PinPad – Perifix® catheter connector

Stimuplex® HNS 12 with SENSE* – Nerve stimulator



- Large full graphics display
- 26 languages (e. g. Russian, Spanish, French, English)
- The following information is displayed on the stimulation screen at all times:
 - Stimulus amplitude in mA (large digits)
 - Max. current range
 - Stimulus duration in ms
 - Stimulus frequency in Hz
 - Load impedance in kΩ
 - Charge delivered (in nC, if activated)
- Eye-catching warning on display and warning sound
- Digital Control Knob
- Convenient menu navigation using four arrow keys

Technical data Stimuplex® HNS 12

Battery: 9 V (alkaline)
Power consumption: 6 mA (8 mA max.)
Stimulation current: \hat{i} = 5 mA (max.) (0-12 k)
Stimulation voltage: \hat{U} = 95 V (max.)
Stimulation frequency: 1 Hz / 2 Hz \pm 1%
Stimulus duration: 0.05 ms - 0.1 ms - 0.3 ms - 0.5 ms - 1.0 ms \pm 1%
Allowable load impedance: 0 k - 12 k
Current measuring accuracy: \pm 0.02 mA
Impedance measuring range: 1 kΩ - 90 kΩ for target stimulation current > 0.5 mA
Impedance measuring accuracy: \pm 10% for stimulation current > 1 mA
 \pm 20% for target stimulation current \leq 1 mA

User benefits

- Now with SENSE technology for safer, easier and more efficient nerve stimulation
- Advanced ergonomic shape and large display
- Digital ratchet dial for precise and tactile current adjustment
- Quick access buttons allow direct switching of key parameter values during procedure
- Alarm screens and acoustic signals inform the user of any relevant deviations

SENSe* Advantages

* SENSE:

Sequential Electrical Nerve Stimulation means delivery of a series of three electrical impulses (3Hz) but with varying impulse duration. First two impulses have the preset impulse length e.g. 0.1 ms whereas the third is extended. This third impulse helps to induce a muscle stimulation even when the first two don't. The SENSE software integrated into the Stimuplex® HNS 12 avoids ambiguity and speeds up the time until achieving a complete block.

Source: W. Urmey et al. Regional Anesthesia and Pain Medicine 2006, Volume 31 (5): 463-469

Article	Ref. no.
Stimuplex® HNS 12 with electrode cable for all Stimuplex® and Contiplex® needles, 9 V block battery, 10 kΩ resistance, plastic transport box, operating instructions	4892098

Stimuplex® Pen



- Stimuplex® Pen for percutaneous nerve mapping to facilitate localisation of nerve and correct orientation of the puncture needle
- Suited to demonstrate muscular response after stimulating the nerve with a nerve stimulator
- Optimal nerve localisation is prerequisite to a fast onset of the peripheral nerve block

Knob for special handling



- Knob of stainless steel fitting to control knob of Stimuplex® HNS 12
- Knob can be sterilized by steam
- Remote Control for simultaneous puncture and current adjustment by physician without need for assistance staff
- Acoustic control of current adjustment still functioning
- Can be used with Stimuplex® HNS 12 or Stimuplex® DIG RC or HNS 11
- Safe placement of Remote Control in the anesthetists palm
 - easy fixation with two finger rings
 - sterile handling due to glove to be put on the usual way
- Operation of Remote Control by two small "Up" and "Down" buttons only

Technical data Remote Control

Fixing:	via finger rings on the palm
Sterility:	to be placed under the sterile glove
Adjustment:	set required current value by pressing the buttons "Up" or "Down"
Connection:	via steering-cable to the tripolar output socket on the front panel
Case (housing):	plastic
Dimensions:	11.4 x 7.2 x 3.3 cm

Article	Ref. no.
Stimuplex® Pen for Stimuplex® HNS 11 and Stimuplex® HNS 12	4892099
Knob for special handling for Stimuplex® HNS 12	4892283
<i>Spare parts</i>	
Electrode cable for Stimuplex® HNS 12, length 125 cm	4892070
Plastic transport box HNS 12, black	4892095
Electric resistance element for testing of HNS 12, 10 kΩ	4892096
Cover for battery case of HNS 12	4892094

B. Braun – World market leader in Plexus Anesthesia



B. Braun has reacted on the tremendous interest in peripheral nerve block techniques (here called Plexus Anesthesia) during the last years, by stepwisely diversifying our range of needles and catheter sets. The latest addition are:

- Stimuplex® Ultra 360® needle for ultrasound guided Plexus Anesthesia
- Contiplex® S Ultra 360® with Perifix® ONE catheter
- Contiplex® Tuohy Ultra 360® with Perifix® ONE catheter

An overview is presented in the schematic drawing below:

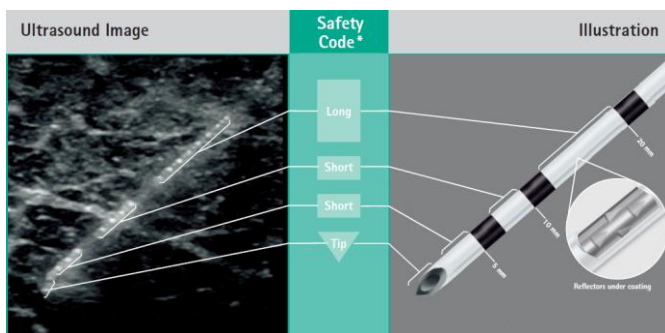
	Nerve Stimulation & Ultrasound
Single Shot Technique	<ul style="list-style-type: none"> ■ Stimuplex® D ■ Stimuplex® A ■ Stimuplex® Ultra 360® ■ Ultraplex® 360
Continuous Technique	<ul style="list-style-type: none"> ■ Contiplex® D with Perifix® catheter ■ Contiplex® S with Perifix® catheter ■ Contiplex® Tuohy with Perifix® catheter ■ Contiplex® S Ultra 360® with Perifix® ONE catheter ■ Contiplex® Tuohy Ultra 360® with Perifix® ONE catheter

1: Maecken et al.: Ultrasound Characteristics of Needles for Regional Anesthesia. Reg Anesth Pain Medicine 2007 32(5): 440-447; Stimuplex® A & D needles showed high values of ultrasound visibility in an animal model amongst 12 different needle brands
 2: Koscielniak-Nielsen ZJ et al.: Long-axis ultrasound imaging of the nerves and advancement of perineural catheters under direct supervision: a preliminary report of four cases. Reg Anesth Pain Medicine 2008, 33 (5): 477-482

Stimuplex® Ultra 360® – Stimulation needle with insulation free bevel Ultrasound optimized



- For nerve stimulation and ultrasound
- X-pattern ultrasound reflectors with safety code
- Well-approved 30° facet bevel with back cut
- High quality low friction coating
- 50 cm long DEHP-free injection tubing for immobile needle technique
- Length markings every cm on the needle for a safer advancing



User benefits

- Echogenic X-pattern markings facilitate needle visualization with minimal acoustic shadowing.¹
- 50 cm long DEHP-free injection tubing. Same good puncture and gliding behavior of the cannulas.
- Ultrasound reflectors around whole shaft for easy needle detection.

Bevel Angle	Needle size				Sales Unit/ pcs.	Ref. no.
	G	∅ mm	inch	Length mm		
30°	22	0.7	1 3/8"	35	25	4892503-01
30°	22	0.7	2"	50	25	4892505-01
30°	22	0.7	3 1/8"	80	25	4892508-01
30°	20	0.9	4"	100	25	4892510-01
30°	20	0.9	6"	150	25	4892515-01

Ultrplex® 360 – Ultrasound optimized needle without nerve stimulation



- A non-stimulating needle for ultrasound only
- 360 degree X-pattern reflectors ensuring visibility from all sides
- X-pattern ultrasound reflectors with safety code
- Well-approved 30° facet bevel with back cut
- High quality low friction surface
- 50 cm long DEHP-free injection tubing for immobile needle technique

G	Cannula			Sales Unit/ pcs.	Ref. no.
	inch	ø mm	length mm		
22	1 3/8"	0.70	35	25	4892603-01
22	2"	0.70	50	25	4892605-01
22	3 1/8"	0.70	80	25	4892608-01
20	4"	0.90	100	25	4892610-01
20	6"	0.90	150	25	4892615-01

Stimuplex® D / Stimuplex® A – Needle for „Single Shot“-technique with nerve stimulation



Stimuplex® A

Stimuplex® D

User benefits for safe application

- Excellent puncture and gliding characteristics
- Comprehensive assortment of needle lengths from 35 to 150 mm G25 to G20 sizes
- Ergonomic needle hub for enhanced tactile feedback

Stimuplex® A

- With depth markings to identify puncture depth
- Crystal clear coating for excellent gliding through all tissue layers
- Well-proven puncture characteristics of 30° facet bevel

Stimuplex® D

- Atraumatic fully coated stimulation needle
- Pin point electrode for precise nerve stimulation
- Available in 15° or 30° facet bevels according to personal gliding and puncture behavior preferences



Stimuplex® D / Stimuplex® A – Needles for plexus anesthesia

Code	Bevel Angle	Needle size				Sales Unit/ pcs.	Ref. no.
		G	∅ mm	Length inch	mm		
<i>Stimuplex® D needle, white electric insulation of needle and bevel, length marking every cm, additional marking for 5, 10 and 15 cm</i>							
D25/035	15°	25	0.50	1 1/3"	35	25	4894103N
D25/055	15°	25	0.50	2 1/8"	55	25	4894111N
D26/040	15°	23	0.60	1 1/2"	40	25	4894120N
D26/070	15°	23	0.60	2 3/4"	70	25	4894138N
D27/050	15°	22	0.70	2"	50	25	4894146N
D27/080	15°	22	0.70	3 1/8"	80	25	4894154N
D27/120	15°	22	0.70	4 3/4"	120	25	4894162N
D29/150	15°	20	0.90	6"	150	25	4894170N
D17/040	30°	22	0.70	1 1/2"	40	25	4894189N
D17/050	30°	22	0.70	2"	50	25	4894197N
D17/080	30°	22	0.70	3 1/8"	80	25	4894200N
<i>Stimuplex® A, needle with 30° bevel, transparent electric insulation of needle, length markings every cm additional marking for 5, 10 and 15 cm</i>							
A 25	30°	24	0.55	1"	25	25	4894251
A 25	30°	22	0.70	1"	25	25	4894539
A 35	30°	22	0.70	1 1/8"	35	25	4894367
A 50	30°	22	0.70	2"	50	25	4894502
A 50	30°	21	0.80	2"	50	25	4894375
A 100	30°	21	0.80	4"	100	25	4894260
A 150	30°	20	0.90	6"	150	25	4894278

Contiplex® Ultra 360® – Ultrasound optimized catheter sets with Perifix® ONE catheter



- New Contiplex® Ultra 360® Sets fully equipped with well-proven Perifix® ONE catheter
- Perifix® ONE catheter with good ultrasound visibility
- Double layer of polyamide and polyurethane of Perifix® ONE catheter strongly enhances the reflection pattern under ultrasonography
- Good visibility of catheter improves block outcome

Perifix® ONE catheter mm	Contiplex® Ultra 360® needle					Sales Unit/ pcs.	Ref. no.
	Bevel Angle	Ø		Length			
		G	mm	inch	mm		
<i>Contiplex® S Ultra 360® set, steel needle with side port adapter, catheter connector, Perifix® Filter and Perifix® Pin Pad, Omnifix® Luer-Lock 5 ml</i>							
0.45 x 0.85 x 1000	20°	18	1.3	2"	50	10	4898650-27
	20°	18	1.3	4"	100	10	4898610-27
	20°	18	1.3	6"	150	10	4898615-27
<i>Contiplex® Tuohy Ultra 360® sets, G18 x 1.3 mm Tuohy needle with side port adapter, catheter connector, Perifix® Filter and Perifix® Pin Pad, Omnifix® Luer-Lock 5 ml</i>							
0.45 x 0.85 x 400	Tuohy	18	1.3	1 1/2"	40	10	4898704-01
	Tuohy	18	1.3	2"	50	10	4898705-01
0.45 x 0.85 x 1000	Tuohy	18	1.3	4"	100	10	4898710-01
	Tuohy	18	1.3	6"	150	10	4898715-01

Contiplex® D, Contiplex® S – Needles and catheter sets for continuous plexus anesthesia with nerve stimulation



left: Contiplex® D with 15° and 30° bevel
right: Contiplex® S with 20° bevel



Contiplex® D, Contiplex® S

Contiplex® D Cannula for short-term catheter technique

- Insulated needle like Stimuplex® D surrounded by short radio-opaque capillary
- New, extended (50 cm) tubing for easier manipulation during injection
- Needle available with 15° and 30° bevel

Contiplex® D Set with standard catheter

- Contiplex® D cannula 15° or 30° bevel with short radio-opaque capillary
- Contiplex® catheter, transparent, made of polyamide with clear blue markings
- Omnifix® lock syringe, 5 ml
- Perifix® catheter connector, Perifix® filter, Perifix® PinPad
- Contiplex® D G20 sets, in addition: indwelling stabilising wire in the catheter

Contiplex® S Set with standard catheter

- Needle with 20° bevel; without short radio-opaque capillary
- Allows both nerve stimulation and aspiration / injection
- With sideport to ease insertion of catheter
- Omnifix® lock syringe 5 ml
- Perifix® catheter connector, Perifix® filter, Perifix® PinPad

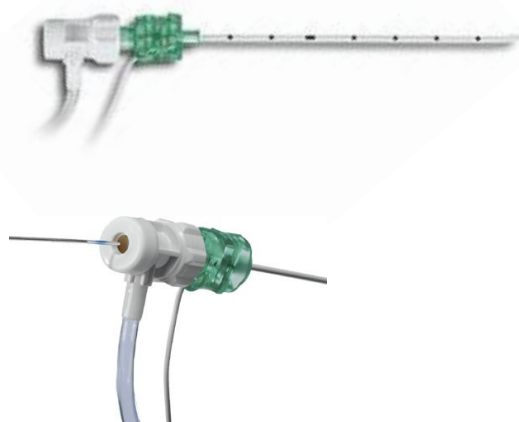
Contiplex® D – Cannula for continuous plexus anesthesia

Code	Bevel Angle	Needle size				Sales Unit/ pcs.	Ref. no.
		G	∅ mm	Length inch	mm		
<i>Contiplex® D – cannula with 15° bevel, ergonomic hub</i>							
D28/055/C	15°	18	1.3	2 1/8"	55	25	4894219N
D28/110/C	15°	18	1.3	4 3/8"	110	25	4894294N
<i>Contiplex® D – cannula with 30° bevel, ergonomic hub</i>							
D18/055/C	30°	18	1.3	2 1/8"	55	25	4894227N

Contiplex® D and Contiplex® S – Catheter sets for continuous plexus anesthesia

Contiplex® catheter mm	Bevel Angle	Contiplex® needle				Sales Unit/ pcs.	Ref. no.
		G	∅ mm	Length inch	mm		
<i>Contiplex® D set, G18, capillary catheter with ergonomic hub, catheter connector, Perifix® Filter and Perifix® Pin Pad, Omnifix® Luer-Lock 5 ml</i>							
0.45 x 0.85 x 400	15°	18	1.3	2 1/8"	55	10	4894235N
0.45 x 0.85 x 400	30°	18	1.3	2 1/8"	55	10	4894243N
0.45 x 0.85 x 1000	15°	18	1.3	3 1/8"	80	10	4895819N
0.45 x 0.85 x 1000	15°	18	1.3	4 3/8"	110	10	4894391N
<i>Contiplex® D set, G20, capillary catheter with ergonomic hub, catheter connector, Perifix® Filter and Perifix® Pin Pad, Omnifix® Luer-Lock 5 ml</i>							
0.41 x 0.71 x 400	15°	20	1.1	1 1/3"	33	10	4892402N
0.41 x 0.71 x 400	15°	20	1.1	2 1/8"	55	10	4892410N
<i>Contiplex® S set, steel needle with side port adapter, catheter connector, Perifix® Filter and Perifix® Pin Pad, Omnifix® Luer-Lock 5 ml</i>							
0.45 x 0.85 x 500	20°	18	1.3	2"	50	10	4898750
0.45 x 0.85 x 500	20°	18	1.3	4"	100	10	4898752
0.45 x 0.85 x 1000	20°	18	1.3	6"	150	10	4898754

Contiplex® Tuohy – Catheter set for continuous plexus anesthesia



Contiplex® Tuohy Catheter Set

- Fully insulated Tuohy type needle for plexus anesthesia
- Tuohy curve for pointed catheter placement
- New ergonomic hub for maximum tactile feeling
- Pin-point electrode for accurate stimulus-guided needle advancement
- With sideport to ease aspiration or injection and simple insertion of the catheter
- Omnifix® lock syringe 5 ml
- Perifix® catheter connector, Perifix® filter, Perifix® PinPad
- Label "Nerve Block", green

Contiplex® catheter mm	Tuohy cannula with new hub				Sales Unit/ pcs.	Ref. no.
	G	∅ mm	Length			
			inch	mm		
0.45 x 0.85 x 500	18	1.3	1 ½"	40	10	331695N
0.45 x 0.85 x 500	18	1.3	2"	50	10	331691N
0.45 x 0.85 x 500	18	1.3	4"	100	10	331693N
0.45 x 0.85 x 1000	18	1.3	6"	150	10	331694N

Easypump® II ST – LT – Elastomeric pump for short and long term infusion



Prescribe 'Home and Mobility'

Home is the best therapy. We are well aware of that. For this reason B. Braun developed a solution for the treatment of patients who need antibiotic or chemotherapy: *Easypump® II*

The elastomeric infusion pump enables physicians to relocate medical therapy to the outpatient care. While patients benefit from a rapid mobilization, hospitals profit from a reduced length of stay. *Easypump® II* – experience the options.

- Can be used in chemotherapy, antibiotics and IV pain management either in adults and pediatric patients
- High comfort for the patient inside the hospital but also for outpatient treatment due to small configuration and no maintenance (no alarm, no battery)
- Carry pouches allow unrestricted movement of patients during recreation/rehabilitation
- Integrated air venting and particulate filter
- **Latex-free product portfolio**
- **DEHP-free**
- Small and light (especially as therapy progresses)
- When filled to nominal volume, the flow accuracy is +/- 15 %



User benefits

- Reduced work load for healthcare workers
- Safe and flexible therapy options
- Suitable for hospital and home use
- Discrete and comfortable therapy

Description

Easypump® II elastomeric infusion pumps are designed to give clinicians and nurses the option to deliver pre-determined amounts of medication to the patient in a continuous and accurate manner, either in the hospital or at home.

Easypump® II is independent from main power supplies or batteries, enabling the patient to be treated in an ambulatory manner. Medication is delivered to the patient by positive pressure applied by the elastomeric membrane. The flow rate is determined by the combination of the flow regulation device (flow restrictor) and the positive pressure of the elastomeric membrane. This pressure delivers the solution against the back-pressure of catheters and blood pressure in the veins. Back-pressure affects the flow rate.

Product Specifications	Nominal filling volume	Nominal flow rate	Nominal infusion time	Ref. no.
<i>Easypump® II LT (long-term-infusion time)</i>				
Easypump® II LT 60-12-S	60 ml	5 ml/h	12 h	4540002
Easypump® II LT 500-12.5-S	500 ml	40 ml/h	12.5 h	4540003
Easypump® II LT 80-16-S	80 ml	5 ml/h	16 h	4540004
Easypump® II LT 125-25-S	125 ml	5 ml/h	25 h	4540006
Easypump® II LT 270-27-S	270 ml	10 ml/h	27 h	4540008
Easypump® II LT 60-30-S	60 ml	2 ml/h	30 h	4540010
Easypump® II LT 120-30-S	120 ml	4 ml/h	30 h	4540012
Easypump® II LT 400-40-S	400 ml	10 ml/h	40 h	4540014
Easypump® II LT 100-50-S	100 ml	2 ml/h	50 h	4540016
Easypump® II LT 270-54-S	270 ml	5 ml/h	54 h	4540018
Easypump® II LT 120-60-S	120 ml	2 ml/h	60 h	4540020
Easypump® II LT 100-67-S	100 ml	1.5 ml/h	67 h	4540024
Easypump® II LT 270-68-S	270 ml	4 ml/h	68 h	4540026
Easypump® II LT 400-80-S	400 ml	5 ml/h	80 h	4540022
Easypump® II LT 400-100-S	400 ml	4 ml/h	100 h	4540028
Easypump® II LT 65-130-S	65 ml	0.5 ml/h	130 h	4540030
Easypump® II LT 270-135-S	270 ml	2 ml/h	135 h	4540032
Easypump® II LT 300-150-S	300 ml	2 ml/h	150 h	4540034
Easypump® II LT 100-200-S	100 ml	0.5 ml/h	200 h	4540036
Easypump® II LT 270-270-S	270 ml	1 ml/h	270 h	4540038
<i>Easypump® II ST (short-term-infusion time)</i>				
Easypump® II ST 100-0.5-S	100 ml	200 ml/h	0.5 h	4540040
Easypump® II ST 250-0.5-S	250 ml	500 ml/h	0.5 h	4540042
Easypump® II ST 50-1-S	50 ml	50 ml/h	1 h	4540044
Easypump® II ST 100-1-S	100 ml	100 ml/h	1 h	4540046
Easypump® II ST 250-1-S	250 ml	250 ml/h	1h	4540048
Easypump® II ST 250-1.5-S	250 ml	167 ml/h	1.5h	4540050
Easypump® II ST 400-2-S	400 ml	200 ml/h	2 h	4540052
Easypump® II ST 500-2-S	500 ml	250 ml/h	2 h	4540054
Easypump® II ST 100-2-S	100 ml	50 ml/h	2 h	4540056
Easypump® II ST 400-4-S	400 ml	100 ml/h	4 h	4540058

All Easypump® II ST-LT variants are provided in boxes of 10 units.

Classification: Easypump® II elastomeric pumps are manufactured according to ISO 13485 and are in conformity with the following standards: - European Community (CE Mark) class IIb Medical Device Directive (MDD); - Product certified TÜV Product Service No. 0123 in accordance with 93/42/EEC; - ISO 28620: 2010 (E), particular requirements for the safety of infusion pumps and controllers.

Easypump® C-bloc RA – Ambulatory elastomeric pump for Pain Therapy

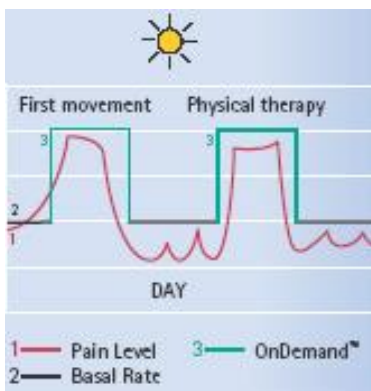


Elastomeric balloon

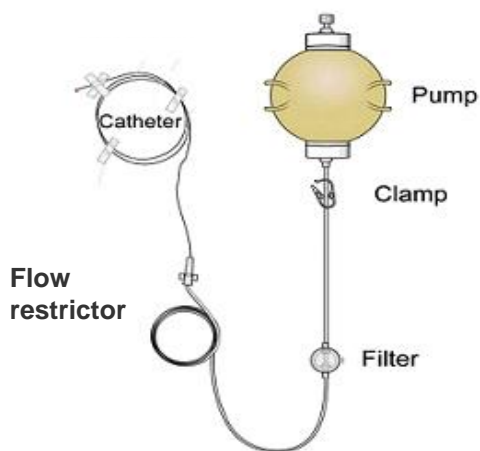


left: On-Demand™ piston for patient control analgesia
right: Select-A-Flow™ device for adjusting the flow rate

- Elastomeric pump without any mechanical or motor driven parts for continuous infusion of pain relieving drugs – single use for one patient
- 3-layer balloon with damage resistant outer shell and chemical inert inner layer (stability data for 35 drugs available)
- Middle, elastomeric layer made from latex provides continuous flow (accuracy $\pm 15\%$)
- Latex layer is completely embedded and does not have any contact to the anesthetic drug
- High comfort for the patient inside the hospital but also for outpatient treatment due to small configuration and no maintenance (no alarm, no battery)
- Carry pouches allow unrestricted movement of patients during recreation/rehabilitation
- Three fixed flow models (5, 8 or 10 ml/h) and four models with flexible flow rate or bolus function for improved patient satisfaction
- On-Demand™ device for patient controlled analgesia (PCA) allows additional infusion of local anesthetic drug (5 ml bolus) during peaks of pain sensation
- Select-A-Flow™ device replaces the standard flow restrictor and enables the medical doctor to adjust the basal flow rate according to the level of pain sensation. For example immediately after surgery a flow rate of 14 ml/h is chosen whereas at later time the flow rate could be reduced to 8 ml/h or even 2 ml/h







Principle of patient controlled analgesia using the On-Demand™ device






Specification of Easypump® C-bloc RA with fixed flow rate:

- Elastomeric balloon, 400 ml or 270 ml with Luer-Lock hub for filling
- Infusion line, fully transparent, with clip, flow restrictor and Luer-Lock hub
- Flow restrictor (fixation on patient skin!)
- Filter: 1,2 µm particulate; 0,02 µm air eliminating
- When filled to nominal volume, the flow accuracy is +/- 15 %

Product Specifications	Color Code/Flow Rate	Filling Volume	Sales Unit/ pcs.	Ref. no.
Easypump® C-bloc™ RA Fixed Flow Rate	 5 ml/h	400 ml	10	4440003
Easypump® C-bloc™ RA Fixed Flow Rate	 8 ml/h	400 ml	10	4440004
Easypump® C-bloc™ RA Fixed Flow Rate	 10 ml/h	400 ml	10	4440005
Easypump® C-bloc™ RA Fixed Flow Rate + OnDemand™ (5 ml Bolus, 60 minutes lock-out period)	 5 ml/h	400 ml	10	4440006
Easypump® C-bloc™ RA + Select-A-Flow™	2 ml/h – 14 ml/h	400 ml	10	4440007
Easypump® C-bloc™ RA + Select-A-Flow™ + OnDemand™ (5 ml Bolus, 30 minutes lock-out period)	2 ml/h – 14 ml/h	400 ml	5	4440008
Easypump® Carry Pouch				
Carry Pouch for Easypump® Classic pouch small			1	4434447
Carry Pouch for Easypump® Classic pouch large			1	4434455
Carry Pouch for Easypump® Thermoisolated pouch			1	4438102

Select-A-Flow™ unit: 2 ml/h – 14 ml/h (7 steps of 2 ml/h increments) or 1 ml/h – 7 ml/h (7 steps of 1 ml/h increments)

Color-coded rings on the filling port indicate the following flow rates:  5 ml/h  8 ml/h  10 ml/h

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B. Braun Space – Managing Infusion Therapy



Description

- B. Braun Space makes it possible to standardize infusion systems throughout an entire hospital and answers the requirements of a variety of therapeutic fields.
- Each available Space pump can be used for standard applications in basic wards, for advanced infusion therapy in ICU and OR.
- Each pump can be upgraded with special functions like TCI pump for anesthesia or PCA for post-operative pain treatment.
- As a result, each Perfusor® or Infusomat® Space can replace several special pumps.
- B. Braun Space improves availability and simplifies logistical processes.
- Especially when automatic therapy documentation is required – or is scheduled for the future – it is essential to have standardized data protocols. B. Braun Space makes hospital wide plug-and-play IT integration viable.

User benefits

- The small size and low weight (1.4 kg) of the B. Braun Space pumps promotes patient comfort and mobility.
- Flexible and simple handling, thanks to powerful batteries and innovative modular concept.
- Minimal space requirements in Helicopters, jets and ambulance cars. Certified according to EN 1789 (Mobile Intensive Care Unit) and EN 13718-1 (Air, water and difficult terrain ambulances)
- The Space Station is a compact workstation for up to 24 infusion pumps that offers a complete overview of the medical therapy at a glance and a simple plug-and-play IT/PDMS integration.
- Increased safety, decreased effort with Space drug library and pre-configured dose rate calculation.
- TCI function for Propofol® (March plasma targeting, Schnider plasma and effect site targeting) and Remifentanyl (Minto plasma and effect site targeting)
- Protect your budget by using Space PCA for both IV- and regional analgesia
- With the SpaceStation MRI each Space Pump can even be used in the MRI environment.



B. Braun Space OnlineSuite – Safe and Efficient Infusion Management

The Space OnlineSuite software offers a variety of applications which optimize typical hospital processes. The software provides existing and future software solutions in an integrated, standardized and web-based approach. The Space OnlineSuite is a server based software and the applications can be used via a browser from a client computer in the network.

The following software modules are available:

1. Space OneView



Space OneView is a central monitoring tool that provides alarm information, operating states, infusion status information and a general overview of all beds located on a ward. The centralized OneView alarm display informs the nurses about what kind of alarm has gone off at which bed and which drug is involved. These information allow a much faster and more specific reaction to alarms and pre-alarms which reduces stress for nurses and patients.

2. Drug Library Manager



The Drug Library Manager allows the centralized preparation and distribution of care unit specific drug libraries. The new Upload Manager offers the opportunity to distribute the drug library files via the hospital network to the pumps within seconds – the pumps can remain at the bed site which avoids therapy interruption.

3. Upload Manager



The Upload Manager offers the opportunity to create and distribute upload files like drug libraries or modification data file to the infusion pumps via network or USB stick. During this procedure the pumps remain at the bed site which avoids therapy interruptions and workflow disturbances

4. DoseTrac



DoseTrac supports clinicians in analyzing IV therapy-related data. Available reports include the status of infusion pumps, number of hard limit alerts and the drug usage quantity. DoseTrac allows to establish selection criteria that the final data will be subjected to e.g. a certain time period, certain locations, certain drugs, therapies or a patient identification number.

5. Device Manager



The device manger offers a status overview of all Space devices that are connected to a hospital network. Additionally allows to create and edit device configuration files by adjusting the modification data and disposable table. These configuration files can be distributed via the hospital network by using the Upload Manager.

Description	Ref. no.
Space OnlineSuite DVD	876100
Space OnlineSuite OneView licence (1 bed, 1 year)	876103
Space OnlineSuite Drug Library Manager .WEB licence (1 bed, 1 year)	876105
Space OnlineSuite DoseTrac licence (1 bed, 1 year)	876106
Space OnlineSuite Drug Library Manager .WEB, Wi-Fi pump licence (1 year)	876105-SPW
Space OnlineSuite DoseTrac, Wi-Fi pump licence (1 year)	876106-SPW
Space OnlineSuite Device Manager (1 Hospital, unlimited)	876108

*other periods on request

B. Braun Space GlucoseControl – In touch with the future

Today's challenges

Critically ill patients develop stress-induced hyperglycemia, which is associated with adverse side effects and increases the risk of mortality and morbidity. Good news is that these risks can be minimized by intensive insulin treatment as shown in several studies.^{1,2} However, normalization of blood glucose is a big challenge increasing your workload: Being associated with an increased risk of life-threatening hypoglycemia, the procedures for blood glucose management are heterogeneous and complex, demanding most accurate control.^{3,4}

"Uncontrolled high blood glucose can lead to serious problems for hospitalized patients," ... "strategies must be identified to help hospitals establish structured protocols for safe and effective management of blood glucose in both intensive care units and other hospital settings." Recommendation of American Diabetes Association (ADA) and American Association of Clinical Endocrinologists (AACE)



B. Braun Space GlucoseControl – the solution to achieve safe and reproducible blood glucose control

B. Braun Space GlucoseControl realizes safe and reliable glucose levels in critically ill patients with a significantly reduced risk of hyper- and hypoglycemia. With its intelligent dosage algorithm, the B. Braun Space GlucoseControl integrates enteral and parenteral nutrition and exactly determines insulin rate and next sampling time helping you to easily control complex work processes for a safer future with minimized episodes of potentially dangerous hyperglycemia and hypoglycemia.

How does it work?

B. Braun GlucoseControl is integrated in the B. Braun Space System with SpaceControl. The touch screen of SpaceControl is a central graphical user interface, which is connected with the module containing the intelligent learning algorithm. The appropriate insulin rate is calculated by the intelligent algorithm integrating all important data:

User benefits

- The solution to achieve safe and reproducible blood glucose control
- Automatic Integration of Nutrition
- More safety in daily clinical workflow
- Optimized workflow and simplified treatment decision for more safety in daily use

- Latest blood glucose value
- Enteral nutrition
- Parenteral nutrition
- History
- Patients' weight.

References:

1. Van den Berghe G, Wouters P, Weekers F et al. Intensive insulin therapy in critically ill patients. *N Engl J Med* 2001; 345:1359-67.
2. Van den Berghe G, Wilmer A, Hermans G et al. Intensive insulin therapy in the medical ICU. *N.Engl.J.Med.* 2006; 354: 449-61.
3. Brunkhorst FM, Engel C, Bloos F et al. Intensive insulin therapy and pentastarch resuscitation in severe sepsis. *N.Engl.J.Med.* 2008; 358: 125-39.
4. Preiser J-C, Devos P, Ruiz-Santana S et al. A prospective randomized multi-centre controlled trial on tight glucose control by intensive insulin therapy in adult intensive care units: the Glucontrol study. *Intensive Care Med* 2009; 35:1738-1748.

B. Braun Space – Ordering Data

Article	Description	Ref. no.
Perfusor® Space	Syringe pump for intravenous and intra-arterial infusions and enteral nutrition	8713030
Infusomat® Space	Volumetric pump for Infusomat® Space line. For intravenous and intra-arterial infusions and for enteral nutrition	8713050
Infusomat® Space P	Volumetric pump for standard sets. Details see Infusomat® Space	8713070
B. Braun SpaceStation	Docking station with integrated power supply to adapt up to 4 pumps. Up to 6 stations can be stacked together for a maximum capacity of 24 Space infusion pumps	8713140
B. Braun SpaceStation with integrated SpaceCom	Docking station with integrated power supply to adapt up to 4 pumps. Up to 6 stations can be stacked together for a maximum capacity of 24 Space infusion pumps with integrated power supply and SpaceCom	8713142
B. Braun SpaceCover comfort	Cover for the uppermost SpaceStation. With built-in handle and central alarm management and alarm LEDs	8713145
B. Braun SpaceCover standard	Cover with handle for the SpaceStation	8713147
SpaceStation MRI incl. trolley	MRI conditional docking station for up to four B.Braun Space infusion pumps. SpaceStation MRI shields the pumps against magnetic fields and thereby ensures interference-free images.	8713152
B. Braun Space Control	Programming unit for Space GlucoseControl (only working with art. 8713584)	8713090
SGC module	Module for Space GlucoseControl (only working with art. 8713090)	8713584
B. Braun PoleClamp SP	Universal clamp with built-in handle for transporting up to 3 pumps. Rotating assembly for vertical and horizontal mounting of pump on infusion stands and wall railing systems	8713130
Power Supply SP	Euro plug	8713110D
	UK plug	8713111D
Short Stand SP	Short infusion stand for Infusomat® Space	8713135
Battery Pack SP (NiMH)	Rechargeable battery for Infusomat®/Perfusor® Space, SpaceCover Comfort and SpaceStation	8713180
Option WiFi for SpaceCom	WiFi module for SpaceCom II	8713185U
WiFi Battery pack (Li-IoN)	Rechargeable battery for Infusomat®/Perfusor® Space with WiFi module	8713182A
Drop sensor SP	Optional drop sensor for Infusomat®Space	8713175
Connecting Lead SP (12V)	For connecting to 12V port	8713231
Combi Lead SP (12V)	For connecting up to 3 pumps (12V port)	8713133
Connecting Lead SP, Staff Call	For connecting to staff call system	8713232
fm mobile	Mobile infusion stand	8721106
PCA Kit	Kit for PCA application with Perfusor® Space	8713554
PCA lockbox	Lockbox for Perfusor® Space	8713557
Syringe Anti Removal Cap	Anti Removal Cap for PCA application (4 pcs.)	8713556

Perfusor® compact – The handy syringe pump for use on all wards Handy, lightweight, stackable and with high performance

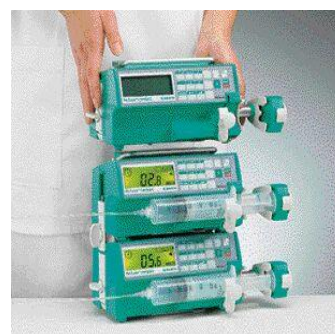


Simple and safe, both in operation and application

- 10 self-explanatory keys allow for simple parameter entries
- Simple control of important parameters via the large display, which is illuminated during mains operation
- Simple syringe exchange: using either 20 ml or 50 ml syringes, the size of which is automatically recognized
- Automatic bolus reduction, for re-starts with accurate dosage following a pressure alarm
- Excellent start-up action

Compact design, low weight and high technology

- Stackable, with a built-in locking mechanism
- Due to its high flexibility, changing tasks are simply and easily solved
- Quick and simple mounting at the bedside, via universal clamp



Battery-operable for greater mobility

- The Perfusor® compact runs for more than 3 days whilst battery operated. The inexpensive AA batteries can be exchanged directly on the wards
- Mobile performance packages – consisting of up to 3 Perfusor® compact units which lock together for safe transportation – allowing for uninterrupted continuation of infusion therapy during patient transportation

Article	Rated Voltage (plug)	Ref. no.
Perfusor® compact	110/120 V (CEE VII)	8714835
Perfusor® compact	230/240 V (CEE VII)	8714827
Perfusor® compact	230/240 V (BSI)	8714828
MFC connecting lead	For staff call	8711682
MFC connecting lead	For ambulances (12V)	8711674
MFC connecting lead	For interface use, RS-232 with electrical isolation	8711661
Rechargeable battery pack		8714991

Perfusor® compact S – The handy syringe pump for pediatrics and neonatology

Wide selection of syringes for higher flexibility
Very low infusion rates for delivery of the smallest volumes



Simple and safe both in operation and application

- With its performance profile, the Perfusor® compact S fulfils the special requirements in pediatrics and neonatology
- Infusion rates from 0.01 to 200.0 ml/h possible
- Automatic calculation of the infusion rate based on the volume and time preselection
- Either bolus administration with simultaneous display of the delivery volume or administration of preselected bolus volumes
- Reducible occlusion pressure limits for faster alarm reaction times
- Data lock function; prevents unauthorized changes to pre-selected values

Selection of syringes sizes from 2 to 50 ml meets individual requirements

- Up to 6 different syringe types can be used in the Perfusor® compact S
- Syringe size freely selectable according to the particular medication and the dose to be administered
- The advantages provided by the use of smaller syringes for pediatrics and neonatology can be optimally utilized
- Enhanced delivery characteristics at infusion rates below 1.0 ml/h
- Secure syringe fixation, fastest reaction times in the event of an occlusion
- Electronic monitoring of the syringe fixation and innovative pressure sensors ensure greater safety when syringes are exchanged and whenever a pressure alarm occurs.
- Automatic bolus reduction, for re-starts with accurate dosage following a pressure alarm



Article	Rated Voltage (plug)	Ref. no.
Perfusor® compact S	110/120 V (USA)	8714886
Perfusor® compact S	230/240 V (CEE VII)	8714843
Perfusor® compact S	230/240 V (BSI)	8714844
MFC connecting lead	For staff call	8711682
MFC connecting lead	For ambulances (12V)	8711674
MFC connecting lead	For interface use, RS-232 with electrical isolation	8711661
Rechargeable battery pack		8714991

Infusomat® fmS – The volumetric infusion pump for anesthesia and intensive care



Large display and ergonomic user interface

- The most important parameters are always visible at a single glance
 - the integrated text display with operator guidance prompts
 - provides all information for making safe entries
- The clearly structured user interface and proven 10-key input panel with a new, profiled key design provides greater "hands-on" safety and convenience

Safe and easy entry of dosage units

- Entry of concentrations in µg, mg, IU or mmol per ml-volumes:
 - body weight and time-related entries in µg/kg/min.
 - automatic calculation of the particular delivery rate in ml/h

Individual bolus dosage with pre-selectable parameters

- Bolus dosage for as long as the respective key is pressed; simultaneous display of the bolus volume delivered
- Pre-selected bolus volumes can be administered at the touch of a key
- Automatic dosage of bolus volumes at pre-selected intervals

With Original Infusomat®-Tubing for maximum consistency in delivery

- Original Infusomat®-Tubing, medical-grade silicone peristaltic tubing, is perfectly matched to both the pump and its integrated safety system. As a result, this tubing ensures high delivery accuracy and consistency and, most important, trouble-free functioning over long periods of time

Article	Software/Language (plug)	Rated Voltage	Ref. no.
Infusomat® fmS	English (USA)	100/120 V	8715416
Infusomat® fmS	English (CEE VII)	230 V	8715548
Infusomat® fmS	English (BSI)	200/240 V	8715440
Infusion tripod, short	With drip-chamber holder		8701644
MFC connecting lead	For staff call		8711682
MFC connecting lead	For ambulances (12 V)		8711674
MRC connecting lead	For potential equalisation		8701628
MRC connecting lead	For interface use, RS-232 with electrical isolation		8711661

Infusomat® P – The volumetric infusion pump for use with Intrafix® IV administration sets



Compatible with I.V. administration sets made of PVC

- The compatibility of all Intrafix® Air P and Intrafix® Primeline Classic/Comfort I.V. administration sets with the Infusomat® P allows trouble-free use of this volumetric infusion pump even in peripheral wards

High operation convenience for safe procedures

- The large display and ergonomic design of the user interface with our proven 10-key input panel makes it easy to enter parameters

The safety system for less stress during monitoring

- A flow clamp prevents "free flow" when the pump door is opened
- The air detector minimizes the risk of air infusion
- Adjustable pressure limits result in a reduction of the bolus volume and a shorter alarm reaction time in the event of system occlusion

Accomplish different tasks easily at one touch of a key

- Direct entry or automatic calculation of the delivery rate as a result following entry of both volume and time. The rate can be adjusted, if necessary, without stopping the infusion
- Individual bolus administration by pre-selectable parameters
- Administration of dosage units according to body weight and/or time. Easy input of parameters; automatic calculation of the delivery rate

Modular system options

- The Infusomat® P offers extensive options for adoption to future requirements
 - Installation of modules with expanded system capabilities (memory cards) eliminates the need for special devices (e.g. history module for time-related documentation of up to 400 actions)

Article	Software/Language (plug)	Rated Voltage	Ref. no.
Infusomat® P	English (USA)	100/120 V	8712387
Infusomat® P	English (CEE VII)	230 V	8712379
Infusomat® P	English (BSI)	200/240 V	8712212
Infusion tripod, short	With drip-chamber holder		8701644
MFC connecting lead	For staff call		8711682
MFC connecting lead	For ambulances (12 V)		8711674
MRC connecting lead	For potential equalisation		8701628
MRC connecting lead	For interface use, RS-232 with electrical isolation		8711661

Original Perfusor®-Syringes – For use with Perfusor® syringe pumps



- With outstanding plunger-slide characteristics
Original Perfusor®-Syringes complement the excellent delivery performance of Perfusor®-Syringe pumps. Accurate start-up delivery and delivery consistency are ensured
- Barrel and plunger material made of polypropylene
- Smooth-sliding plunger gasket with double seal, natural latex-free, made of synthetic material, qualified according to ISO 10 993 resp. DIN EN 30 993 (biological evaluation of medical devices)
- Minimal residual volume
- Excellent readability
- Permanent graduation
- Lock fitting

Original accessories – for system safety

Article	Description	Size	Sales Unit/ pcs.	Ref. no.	Latex free	PVC free
Original Perfusor®-Syringe	With aspiration needle	50 ml	100	8728810F	●	●
Original Perfusor®-Syringe	W/o aspiration needle	50 ml	100	8728844F	●	●
Original Perfusor®-Syringe	With aspiration needle and integrated particle filter, 15 µm	50 ml	100	8728852F	●	●
Original Perfusor®-Syringe	Transparent yellow, with aspiration needle, 2.0 x 30mm	50ml	100	8728801F	●	●
Original Perfusor®-Syringe	With needle, UV-protect, orange	50ml	100	8728861F-06	●	●
Original Perfusor®-Syringe	With aspiration needle	20 ml	100	8728623	●	●
Original Perfusor®-Syringe	W/o aspiration needle	20 ml	100	8728615	●	●
Aspiration Needle	W/o particle filter		100	8258813	●	●
Aspiration Needle	With particle filter		100	8258821	●	●

Original Perfusor®-Tubings – For use with syringe pumps



- Made of PVC or PE
- Minimized priming volumes
- Luer-Lock fitting
- DEHP-free

Original accessories – for system safety

Article	Priming Volume	Inner Ø (mm)	Length cm	Sales Unit/ pcs.	Ref. no.	Latex free	PVC free
Original Perfusor®-Tubing	0.88	1.5	50	100	8255172	●	–
Original Perfusor®-Tubing	2.65	1.5	150	100	8722960	●	–
Original Perfusor®-Tubing	3.53	1.5	200	100	8722862	●	–
Original Perfusor®-Tubing	4.41	1.5	250	100	8255490	●	–
Original Perfusor®-Tubing	5.3	1.5	300	100	8255253	●	–
Original Perfusor®-Tubing with Safsite®	2.65	1.5	150	100	8722820	●	–
Original Perfusor®-Tubing 0.2 µm disc-filter	3.53	1.5	200	100	8723001	●	–
Original Perfusor®-Tubing PCA	2.94	1.5	150	50	8726019	●	–
Original Perfusor®-Tubing	0.5	0.9	75	100	8722870N	●	–
Original Perfusor®-Tubing	1.0	0.9	150	100	8255504N	●	–
Original Perfusor®-Tubing	1.3	0.9	200	100	874591N	●	–
Original Perfusor®-Tubing	0.39	1.0	50	100	8255059	●	●
Original Perfusor®-Tubing	0.79	1.0	100	100	8255067	●	●
Original Perfusor®-Tubing	1.18	1.0	150	100	8722935	●	●
Original Perfusor®-Tubing	1.57	1.0	200	100	8723060	●	●
Original Perfusor®-Tubing	1.96	1.0	250	100	8272565	●	●
Original Perfusor®-Tubing, orange	1.18	1.0	150	100	8723017	●	●
Original Perfusor®-Tubing, yellow	1.57	1.0	200	100	4185838	●	●
Original Perfusor®-Tubing with slide clamp	1.0	0.9	150	100	8722940	●	–
Original Perfusor®-Tubing with slide clamp	1.3	0.9	200	100	8722941	●	–

Infusomat® Space Lines – For use with Infusomat® Space & Infusomat® fmS



- Sharp, piercing spike
- Bacteria-proof venting with Euro-cap
- Upper drip-chamber segment ideal for attachment of an infusion pump drip sensor
- 15 µm fluid filter
- Roller clamp with piercing-spike covering for safe disposal
- Silicone pump segment
- DEHP-free

Description	Length (cm)	Sales Unit	Ref. no.	Latex free	PVC free
Type "Standard" with injection port for needle access	270	100	8700087SP	●	-
Type "Standard"	300	100	8270350SP	●	-
Type "Standard" with Safeflow needle-free injection port	270	50	8700110SP	●	●
Type „SafeSet“, standard	250	100	8701148SP	●	-
Type „SafeSet“, Neutrapur	250	100	8701149SP	●	●
Type „SafeSet“, with Safeflow needle-free injection port	300	100	8700118SP	●	●
Type "UV-protected" with Safeflow, orange	250	100	8250437SP	●	●
Type "UV-protected", orange	250	100	8700127SP	●	●
Type "Enteral Nutrition Safety" w. Enterofix 1000 ml; PVC	230	25	8250836SP	●	-
Type "Enteral Nutrition Safety" w. Multi connector; PUR	320	40	8250856SP	●	●
Type "Eqidural", Yellow, ProSet	300	100	8700131SP	●	●
Type "Cyto-Set" with 3 needle-free valves	210	20	8250917SP	●	●
Type "Cyto-Set" with 5 needle-free valves	210	20	8250817SP	●	●
Type "Cyto-Set" with 5 needle-free valves and 0.2 µm filter	210	20	8250414SP	●	●
Type "Cyto-Set Mix" with 1 needle-free valve, orange	32	20	A2900N	●	●
Type "Cyto-Set Mix" with 1 needle-free valve and 0.2 µm filter	32	20	A2903N	●	●
Type "Cyto-Set" Mix" with 1 needle-free valve, orange	32	20	A2906N	●	●
Type "Cyto-Set" Line 0.2 µm filter, orange	32	20	A2582NF	●	●
Type "Cyto-Set" Line	32	20	A2581NF	●	●
Type "Piggybacking" with 2 Safeflow needle free injection ports	300	100	8250710SP	●	●
Secondary line for 8250710SP	75	20	4062877	●	●
Type "Transfusion" with 200 µm blood filter	250	100	8270066SP	●	-
Type "Transfusion" with injection port	250	100	8270074SP	●	-
Type "Y-Transfusion"	250	50	4181557SP	●	-
Type "Neutrapur"	250	100	8250731SP	●	●
Type "Neutrapur" with 0.2 µm filter	250	20	8700095SP	●	●
Type "Dosifix®" with Safeflow needle-free injection ports	270	25	8250245SP	●	●
Type "Dosifix®" with SafeSet UV-protected, orange	250	25	8700128P	●	●

Braunostat® – Infusion stands

**Braunostat® U**

- Universal infusion stand for mounting of up to three infusion pumps
- Adjustable holder (1260 – 2200 mm) for 4 infusion containers
- Drop catcher
- Foot base with five rollers (two rollers lockable)
- Max. load 40 kg

Braunostat® B

- Bed infusion stand for mounting of up to three syringe pumps or one volumetric infusion pump
- Adjustable holder for four infusion containers
- Drop catcher
- Further configurations on request

Basic infusion stand

- IV stand for mounting of one infusion pump

Article	Ref. no.
Braunostat® U	8727902
Braunostat® B	8727708
Basic infusion stand	G101

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Nutriflex® – Sterile solution for intravenous nutrition containing amino acids, carbohydrates and electrolytes in a two-chamber bag



Characteristics

- Different balanced regimens for peripheral and central venous application
- Reliable source of protein and calories
- Covers electrolyte needs
- Easy and safe handling
- Flexibility to add fat easily to complete parenteral nutrition from one bag
- 24-month shelf life at room temperature
- Presentation: Sales Unit/ pcs. 5 per box

Accessories

- Nutriflex® Transfer Set (Ref. No. 2129043)
- Light Protection Cover:
 - Nutriflex® 625-1000 ml (Ref. No. 2129035)
 - Nutriflex® 1500-2500 ml, 2000 ml (Ref. No. 2112112)

Product range

- Wide range of Nutriflex® versions and volumes enables patient-adapted nutrition
- High flexibility in adding fat or in combination with Propofol-®Lipuro
- Adjustment of the PN regimens to the amount of fat given for sedation, e.g. with Propofol-®Lipuro

Nutriflex® peri

- Peripheral parenteral nutrition with the flexibility in adding fat
- Supplemented nutrition or in combination with enteral feeding
- For Low Glucose Nutrition (LGN) Therapy

Nutriflex® plus

- Parenteral nutrition in situations with moderately increased requirements
- For central venous access

Nutriflex® special

- Volume-restricted parenteral nutrition for ICU patients
- In situations with high nutritional requirements
- For central venous access

Nutriflex® basal

- Parenteral nutrition in situations with basal nutrition requirements
- For central venous access

Composition		Nutriflex® peri		Nutriflex® plus		Nutriflex® special	
Volume (ml)		1000	2000	1000	2000	1000	1500
Amino Acids	g	40	80	48	96	70	105
Nitrogen	g	5.7	11.4	7	14	10	15
Glucose	g	80	160	150	300	240	360
Total energy	kcal	480	960	790	1580	1240	1860
Osmolarity	mOsm/l	900	900	1400	1400	2100	2100

NuTRIflex® Lipid peri – Sterile solution for IV nutrition containing amino acids, carbohydrates and lipids in a three-chamber bag



NuTRIflex® Lipid peri

- Peripheral parenteral nutrition
- Low osmolarity (840 mOsm/l) allows application via peripheral venous access
- Supplementary nutrition in combination with enteral nutrition
- Specially designed for Low Glucose Nutrition (LGN) Therapy (peripheral and central venous)
- Contains electrolytes and zinc

Product range

- Easy and safe parenteral nutrition
- Metabolic advantages by simultaneous administration of all nutrients with one infusion
- The only 3-chamber bag with Lipofundin® MCT/LCT – the state of the art lipid emulsion
- Reduces work load and total cost for TPN
- Approved for children over 2 years

Characteristics

- Different balanced regimens for peripheral and central venous application suitable for at least 80% of the patients requiring TPN
- Allows the simultaneous administration of required nutrients out of one container
- Contains MCT/LCT lipid emulsion
- Electrolyte-containing versions cover the basic needs for electrolytes and zinc
- Electrolyte-free versions for individualized electrolyte administration
- Easy and safe handling
- 24-months shelf life at room temperature
- After mixing of compartments chemical stable for 7 days at 2-8° C, plus 48 hours at 25° C

Accessories

- Light Protection Cover suitable for all sizes of NuTRIflex® Lipid peri available

Composition 1250 ml		NuTRIflex® Lipid peri with electrolytes		
Volume (ml)		1250	1875	2500
Amino Acids	g	40	60	80
Nitrogen	g	5.7	8.6	11.4
Glucose	g	80	120	160
Lipids	g	50	75	100
Total energy	kcal	955	1435	1910
Osmolarity	(mOsm/l)	840	840	840

Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

NuTRIflex® Lipid plus & special – Sterile solution for IV nutrition containing amino acids, carbohydrates and lipids in a three-chamber bag



NuTRIflex® Lipid plus

- Central venous parenteral nutrition for moderately increased requirements
- Easy to calculate: 1 ml = 1 kcal
- Available with electrolytes

NuTRIflex® Lipid special

- If volume-restricted parenteral nutrition is required
- In situations with high nutritional demands
- As 625 ml version: ICU starter bag and for combined enteral/parenteral nutrition
- Available with and without electrolytes

Product range

- Easy and safe parenteral nutrition
- Metabolic advantages by simultaneous administration of all nutrients with one infusion
- The only 3-chamber bag with Lipofundin® MCT/LCT – the state of the art lipid emulsion
- Reduces work load and total cost for TPN
- Approved for children over 2 years

Characteristics

- Different balanced regimens for peripheral and central venous application suitable for at least 80% of the patients requiring TPN
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- Electrolyte-free versions for individualized electrolyte administration
- Easy and safe handling
- 24-months shelf life at room temperature
- After mixing of compartments chemical stable for 7 days at 2-8° C, plus 48 hours at 25° C

Accessories

- Light Protection Cover suitable for all sizes of NuTRIflex® Lipid available

Composition 1250 ml	NuTRIflex® Lipid plus	NuTRIflex® Lipid special without electrolytes	NuTRIflex® Lipid special with electrolytes
Electrolytes	+	-	+
Amino Acids g	48	70.1	70.1
Nitrogen g	6.8	10	10
Glucose g	150	180	180
Lipids g	50	50	50
Total energy kcal	1265	1475	1475
Osmolarity (mOsm/l)	1075	1195	1195
Presentations (ml)	1250, 1875, 2500	1250, 1875, 2500	675, 1250, 1875, 2500

Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

Aminoplasma[®] B.Braun – 5% or 10% amino acid solution for parenteral nutrition



- Balanced supply of essential and non-essential amino acids
- Rapid improvement of nitrogen balance
- Excellent stability in TPN mixtures

Characteristics

- Provides essential and non-essential amino acids
- High content in branched chain amino acids
- 5% and 10% amino acid concentrations
- With and without electrolytes

Aminoplasma[®] – 15% amino acid solution for parenteral nutrition



Characteristics

- Provides essential and non-essential amino acids
- High content in branched chain amino acids
- 15% amino acid concentrations

Aminoplasma[®] Hepa 10 % – Amino acid solution for parenteral nutrition for patients with severe liver diseases and treatment of hepatic encephalopathy



- Normalization of cirrhose-induced amino acid imbalances
- Improved clinical situation in hepatic encephalopathy
- Provides adequate protein supply without endangering patients suffering from liver insufficiency

Characteristics

- Specific amino acid pattern adapted to the specific needs of patients with liver insufficiency
- High concentration of branched chain amino acids
- Reduced aromatic amino acid and methionine content

Composition 1000 ml	Aminoplasma [®] B.Braun				Aminoplasma [®]	
	5 %	5 % E	10 %	10 %E	15 %	Hepa
Amino Acids g	50	50	100	100	150	100
Nitrogen g	7.9	7.9	15.8	15.8	24	15.3
Electrolytes	-	+	-	+	-	-
Total energy kcal	200	200	400	400	600	400
Presentations	500 ml, 1000 ml – Sales Unit: 10 glass bottles per box					

Aminoplasma Paed 10% – Amino acid solution for parenteral nutrition of paediatric patients including new borns, infants and small children



Characteristics

- The composition of amino acids in Aminoplasma[®] Paed 1 % is adapted to special requirements of pediatric patients
- Aminoplasma[®] Paed 10 % contains sufficient amounts of all necessary amino acids including taurine
- Compared to other available pediatric AA solutions Aminoplasma[®] Paed 10% contains more:
 - Lysine for support the growth and urea synthesis as well as to increase the brain DNA concentration¹
 - Arginine to prevent hyperammonemia²
- To prevent development of amino acid imbalances Aminoplasma[®] Paed 10 % contains less methionine, phenylalanine and glycine as the key enzymes for the degradation of these amino acids are immature.^{3,4}

User benefits

- 2 sterile ports – lower risk of microbiological contamination
- Low risk of micro cracks
- Flexible, lightweight bag for easy storage and handling
- Free of latex, PVC and DEHP
- No risk of breakage

Composition 250 ml		Aminoplasma [®] Paed 10 %
Amino Acids	g	25
Nitrogen	g	3.8
Electrolytes		-
Total energy	kcal	100
Osmolarity	g	97

Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

1) Tews JK, Bradford AM, Harper AE. Induction of lysine imbalance in rats: relationships between tissue amino acids and diet. J Nutr. 1981; 111(6):968-78
 2) Batshaw ML, Wachtel RC, Thomas GH, Starrett A, Brusilow SW. Arginine- responsive asymptomatic hyperammonemia in the premature infant. J Pediatr. 1984; 105(1):86-91
 3,4) Koletzko B, Goulet O, Hunt J, Krohn K, Shamir R. Parenteral Nutrition Guide-lines Working Group; European Society for Clinical Nutrition and Metabolism; European Society of Paediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN); European Society of Paediatric Research (ESPR). 1. Guidelines on Paediatric Parenteral Nutrition of the European Society of Paediatric Gastro- enterology, Hepatology and Nutrition (ESPGHAN) and the European Society for Clinical Nutrition and Metabolism (ESPEN), Supported by the European Society of Paediatric Research (ESPR). J Pediatr Gastroenterol Nutr 2005 Nov; 41 Suppl 2:S1-87/ Fusch C, Bauer K, Böhles HJ, Jochum F, Koletzko B, Krawinkel M, Krohn K, Mühlbach S; Working group for developing the guidelines for parenteral nutrition of The German Society for Nutritional Medicine. Neonatology/Paediatrics – Guidelines on Parenteral Nutrition, Chapter 13. Ger Med Sci. 2009 Nov 18; 7:Doc15

Lipofundin® MCT/LCT – Modern fat emulsion for parenteral nutrition on the basis of medium and long chain triglycerides



- Protects liver, lung and immune function
- Improves protein economy
- Superior stability improves safety
- One lipid emulsion for all patients
- Antioxidative protection to prevent peroxidative damages

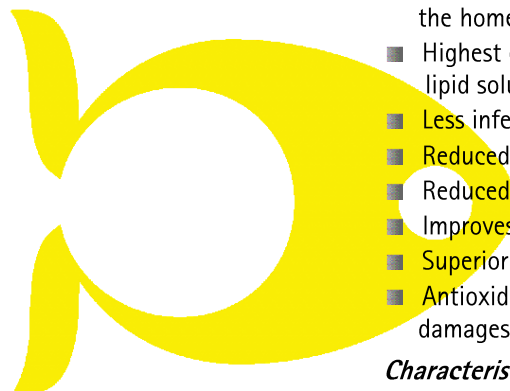
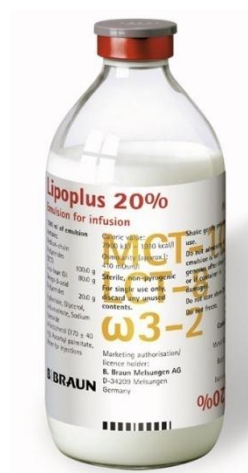
Characteristics

- The only MCT containing lipid emulsion registered for use in neonates and children
- For peripheral and central venous application
- Superior stability in TPN admixtures
- Supplemented with vitamin E

Composition 1000 ml		Lipofundin® MCT/LCT 10 %	Lipofundin® MCT/LCT 20 %
Soybean oil (LCT)	g	50	100
MCT oil (coconut)	g	50	100
α-Tocopherol (Vitamin E)	mg	85	170
Total energy	kcal	1022	1908
Presentations	100, 250, 500 ml - Sales Unit: 10 glass bottles per box		

Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

Lipoplus® / Lipidem® 20 % – The new generation of lipid emulsions based on medium and long chain triglycerides (MCT and LCT) and fish oil based triglycerides



- A well-balanced $\omega 3 : \omega 6$ fatty acid intake leads to the homeostasis of inflammatory processes in the body
- Highest content of EPA and DHA among all fish oil- based lipid solutions (Eu.Pharmacopeia xxxx)
- Less infections
- Reduced organ complications
- Reduced length of stay in hospital
- Improves protein economy
- Superior stability improves safety
- Antioxidative protection to prevent peroxidative damages

Characteristics

- For peripheral and central venous application
- Superior stability in TPN admixtures
- Supplemented with vitamin E

Composition 1000 ml		Lipidem®
Soybean oil (LCT)	g	80
MCT oil (coconut)	g	100
Fish oil	g	20
α -Tocopherol (Vitamin E)	mg	170
Total energy	kcal	1910
Presentations	ml	100, 250, 500 – Sales Unit: 10 glass bottles per box

Tracutil® – Trace element additive for adults



User benefits

- Supply of trace elements in Parenteral Nutrition of adults
- Compatible with a wide range of nutritional admixtures

Characteristics

- Balanced mixture of the 9 trace elements Iron, Zinc, Manganese, Copper, Chromium, Molybdenum, Selenium, Fluoride and Iodide
- Meets the daily requirements of essential trace elements

Presentations	Reference no.	Container	Label language	Sales Unit/ pcs.
Tracutil® GA 10 ml ENG	630972	10 ml glass ampoule	English	5

Glucose B. Braun – Glucose solution for providing energy in Parenteral Nutrition



User benefits

- Essential energy source for organs and tissues

Characteristics

- Basic component in Parenteral Nutrition
- Delivers approx. 4 kcal/g glucose
- Wide range of concentrations available

Composition 1000 ml	Glucose					
	10 %	20 %	30 %	40 %	50 %	70 %
Glucose (g)	100	200	300	400	500	700
Energy (kcal)	400	800	1200	1600	2000	2800
Presentations	Ecoflac® plus 500 ml; glass bottle 500 ml/1000 ml					

Nutrimix®

Traditional EVA mixing bag for easy and safe handling



- 100 % Latex-free and DEHP-free, specially suitable for fat-containing TPN regimes
- Additive injection port closure cap
- Detachable transfer set with lock connector
- Sterile outlet port with snap-off cap
- Easy and safe handling

Nutrimix® Barrier

Mixing Bag made of Multi-Layer Film to protect individual TPN preparations from oxidation.



- 100 % Latex-free and DEHP-free, specially suitable for fat-containing TPN regimes
- Prolongs the stability of oxygen-sensitive compounds (e.g. vitamins)
- Ensures longer shelf life of compounded regimes
- Sterile outlet port with snap-off cap ensures easy and safe handling

Nutrimix® DC

Dual chamber bag for stable separate storage of individual TPN preparation.



- 100 % Latex-free and DEHP-free, specially suitable for fat-containing TPN regimes
- Dual chamber allows preparation with separate storage e.g. of amino acid-glucose mixture separate from lipid emulsion and therefore longer storage of compounded lipid-containing TPN formulations
- High-flow filling port
- Sterile outlet port with snap-off cap ensures easy and safe handling

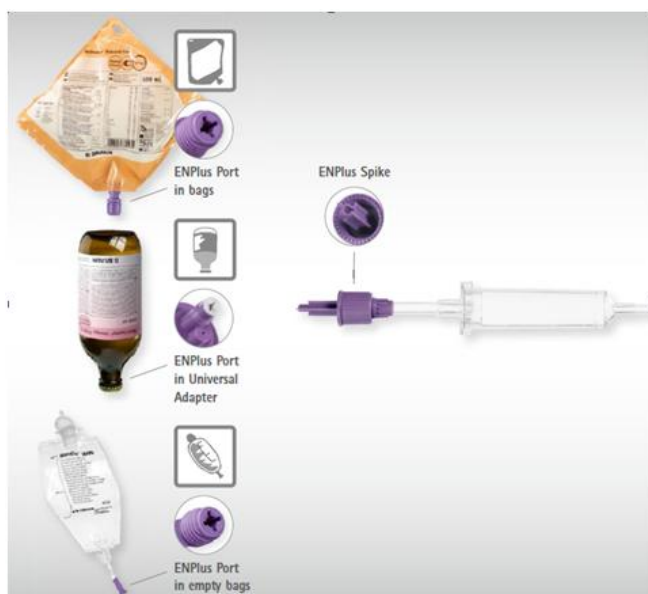
Presentations	Volume	Filling lines	Unit/Pck.	Pck./Carton	Ref. No.
Nutrimix® 0.2/0	200 ml	0	1	25	2112145
Nutrimix® 0.5/0	500 ml	0	1	25	2112146
Nutrimix® 1/0	1000 ml	0	1	25	2112147
Nutrimix® 2/3	2000 ml	3	1	25	2112150
Nutrimix® 3/3	3000 ml	3	1	25	2112151
Nutrimix® Barrier 3/0	3000 ml	0	5	25	2112444
Nutrimix® Barrier 2/0	2000 ml	0	5	25	2112443
Nutrimix® Barrier 1/0	1000 ml	0	5	40	2112442
Nutrimix® Barrier 0.5/0	500 ml	0	5	50	2112441
Nutrimix® Barrier 0.2/0	200 ml	0	5	50	2112440
Nutrimix® Dual Chamber Bags (2500 + 500 ml)	3000 ml	0	1	25	2112446
Nutrimix® Dual Chamber Bags (1250 + 250 ml)	1500 ml	0	1	25	2112445
Transfer Set	0	4	.1	25	2112449

Enteral Nutrition Safety System

As a leader in Safe Infusion Therapy B. Braun is dedicated to making the administration of enteral and parenteral nutrition safer. Reported cases of enteral misconnections (see Simmons, Symes, Guenter, Graves: Tubing misconnections: normalization of deviance. Nutr Clin Pract 2011 26(3): 286-293) have resulted in severe and sometimes fatal consequences for patients.

B. Braun understands your requirements for safe administration of clinical nutrition. Our new Safety System eliminates confusion between Enteral and IV routes and is comprised of:







- dedicated enteral syringes called Omnifix® Enteral and Exadoral®
- violet colored EN Plus Spike or Port to connect the enteral infusion line to the respective containers



User benefits

- Dedicated enteral connectors eliminate the possibility of mixing up parenteral with enteral access ports
- Purple color coded for faster identification
- One system for all major application ways and diet containers

- violet colored Inverse Safety Y-port inside enteral infusion lines or Perfusor extension lines (see next page)
- violet colored male ENLock proximal of enteral infusion lines or Perfusor extension lines (see next page)
- violet colored female ENLock at hub of enteral feeding line (see next page)

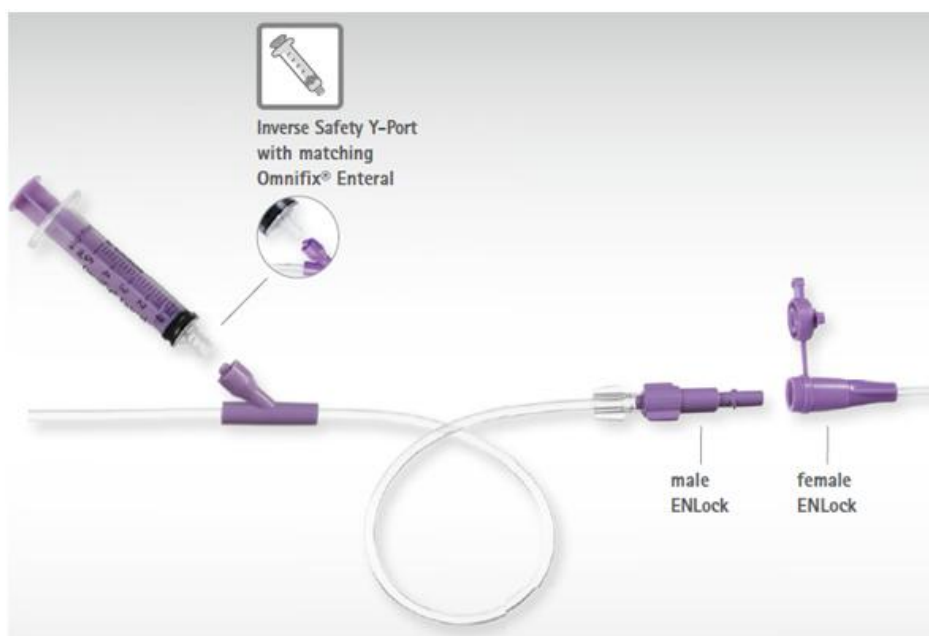
Administration way	Administration set with empty bag	Administration set with Universal Adapter
Gravity	 Nutrifix® 1000 ml Safety Ref. no. 9240678	 Nutrifix® Universal Adapter Safety Ref. no. 9240622
Enteroport® Plus	 Enteroport® Plus Set 1000 ml Safety Ref. no. 8721735	 Enteroport® Plus Set Universal Adapter Safety Ref. no. 8721745
Space pumps	 Infusomat® Space Line 1000 ml Ref. no. 8250836SP	 Infusomat® Space Line Universal Adapter Ref. no. 8250856SP

Omnifix® Enteral – Syringe for bolus application of drugs or enteral nutrition into enteral feeding line



Characteristics

- 3-piece syringe with violet colored plunger
- Nozzle for connection with inverse Y-port of Safety portfolio
- Precise graduation
- Tear resistant printing on the barrel



Volume	Sales Unit/ pcs	Ref. no.
1 ml	200	4616024-01
2.5 ml	200	4616025-01
5 ml	200	4616026-01
10 ml	200	4616027-01
20 ml	100	4616028-01
50 / 60 ml	100	4616029-01

Enteral Straws / Enteral Syringe Cap / Enterofix® 1000

Enteral Nutrition

Enteral Straws with ENFit™



Characteristics

- Suitable for enteral syringes with ENFit™ connector
- Easy withdrawal of oral medication and enteral nutrition

Length in cm	Sales Unit/ pcs	Ref. no.
10	100	4616009
17	100	4616013

Enteral Syringe Cap with ENFit™



Characteristics

- Seals enteral syringes with ENFit™ connector
- For easier storage and transportation of syringes
- Avoids leakage and wasting

Sales Unit/ pcs	Ref. no.
300	4616020

Enterofix® 1000



Characteristics

- 1000 ml storage/empty bag for fluid application
- To be used in connection with all application sets with a Multispike
- Easy to fill
- Graduated scale and label for patient data
- DEHP-free

Sales Unit/ pcs	Ref. no.
30	9240799

Nutrifix® Safety Sets – Gravity administration sets



Nutrifix® Safety, 1000 ml bag



Nutrifix® Safety, Universal Adapter

Characteristics

- Administration with storage bag, 1000 ml
- Administration with Universal adapter for bags, wideneck and crown cork closed bottles

Presentations	Ref. no.
Nutrifix® Safety, 1000 ml bag	9240678
Nutrifix® Safety, Universal Adapter	9240622

Enteroport® plus Safety Sets – Sets for enteral feeding pump “Enteroport® plus”



Enteroport® Plus Safety Set
1000 ml bag



Enteroport® Plus Safety Set
Universal Adapter

Characteristics

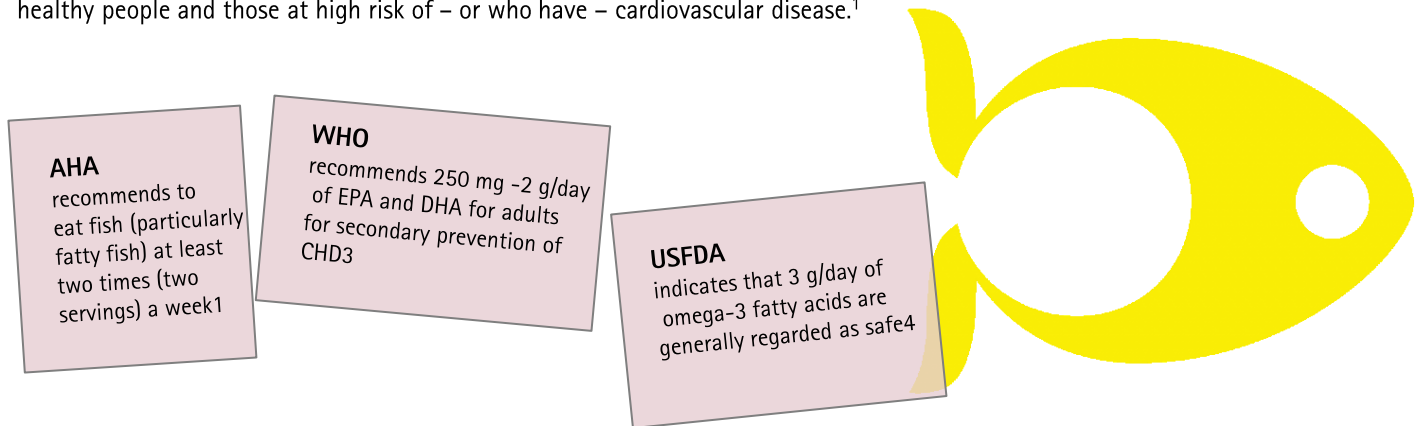
- Administration with storage bag, 1000 ml
- Administration with Universal adapter for bags, wideneck and crown cork closed bottles
- Special pump segment for Enteroport® plus pump

Presentations	Ref. no.
Enteroport® Plus Safety Set, 1000 ml bag	8721735
Enteroport® Plus Safety Set, Universal Adapter	8721745

Nutricomp® Drink – B. Braun's oral nutritional supplement portfolio

B. Braun's enteral nutrition products (Nutricomp®) offer the greater benefits of higher fish oil content and are **compliant** with international guidelines, **compatible** with good metabolism and offer a **complete** portfolio of diet feeds and administration devices.

Various health organizations worldwide have made dietary recommendations for fish intake, particular in regards to two kinds of omega-3 fatty acids: eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). Omega-3 fatty acids benefit the heart of healthy people and those at high risk of – or who have – cardiovascular disease.¹



Nutricomp® is **compliant** with international guidelines










1. American Heart Association: AHA recommendation. Accessed through the internet: http://www.heart.org/HEARTORG/GettingHealthy/NutritionCenter/Fish-101_UCM_305986_Article.jsp (accessed 2011-08-11)
2. Joint FAO/WHO Expert Consultation on Fats and Fatty Acids in Human Nutrition, WHO, Geneva, November 2008. FAO Food and Nutrition paper 91, Chapter 2, table 2.1: Recommended dietary intakes for total fat and fatty acid intake: Adults, page 11.
3. "FDA announces qualified health claims for omega-3 fatty acids" (Press release). United States Food and Drug Administration. September 8, 2004. <http://www.fda.gov/SiteIndex/ucm108351.htm>. (accessed 2011-11-11)
4. EFSA Journal 2010; 8(10): 1796 [32 pp.].

Nutricomp® Drink – B. Braun's oral nutritional supplement portfolio



User benefits

- The Nutricomp® Drink range (except fruity flavor) are nutritionally complete formulas containing essential nutrients, vitamins and minerals. They can be used as supplementary or complete nutrition.
- Suitable for oral or tube feeding as the bottle connects to a wide neck adaptor of any giving set
- New bottle design provides an excellent grip, easy opening and peeling off peel seam
- Nutricomp® Drink is best served chilled or can be heated shortly in the microwave (max. 60° C); for a warm serving (espec. Nutricomp® Soup).
- Nutricomp® is gluten-free and low in lactose

Product	Composition (200 ml)					Flavors
	Energy kcal/ml Kcal/bottle	Protein g/100 ml % Energy	Fat g/100 ml % Energy	Carbohydrate g/100 ml % Energy	Fiber g/100 ml % Energy	
Standard Diets						
Nutricomp® Drink Plus	1.5 kcal/ml 300 kcal	6 g 16%	5 g 30 %	20 g 54 %	< 0.1 g 0 %	neutral, vanilla, banana, strawberry, chocolate 
Nutricomp® Drink Plus Fibre	1.56 kcal/ml 312 kcal	6.4 g 16%	5 g 29 %	20 g 53 %	2 g 3 %	neutral, vanilla, peach-apricot, chocolate, coffee 
Nutricomp® Drink Soup	1.5 kcal/ml 300 kcal	6 g 16 %	5 g 30 %	18.8 g 51 %	1.5 g 3 %	vegetable, mild chicken-curry 
Nutricomp® Drink Plus HP	1.5 kcal/ml 300 kcal	10 g 27 %	5.5 g 33 %	14.3 g 40 %	-	neutral, vanilla, red fruits, chocolate-nougat 
Nutricomp® Drink 2.0 kcal Fibre	2 kcal/ml 400 kcal	9 g 18 %	8.7 g 36 %	21.4 g 43 %	2.5 g 3 %	neutral, cherry, chocolate, caramell-toffee 
Nutricomp® Drink Standard Fibre	1.04 kcal/ml 208 kcal	3.8 g 15 %	3.3 g 29 %	13.8 g 53 %	1.5 g 3 %	neutral, vanilla, banana, strawberry, nut 
Speciality Diets						
Nutricomp® Drink D	1 kcal/ml 200 kcal	4.1 g 16 %	3.5 g 31.5 %	12.3 g 48 %	2.1 g 4 %	neutral, vanilla 
Nutricomp® Drink Renal	2 kcal/ml 400 kcal	7 g 14 %	9.6 g 44 %	20.6 g 40 %	1.7 g 2 %	neutral, vanilla 
Nutricomp® Drink Hepa	1.32 kcal/ml 264 kcal	4 g 12 %	5.8 g 40 %	15.5 g 47 %	0.56 g 1 %	chocolate 

Enteroport® plus – Safe Application of Enteral Nutrition



Enteroport® plus:

- **Pump technology:** swash plate
- **Dimensions (W x H x D):** 14 x 4.5 x 11.5 cm
- **Weight:** 450 g
- **Battery life:** 35 h at 200 ml/h
- **Recharging time:** 3.5 h
- **Feeding program:** continuous/interval/bolus feeding
- **Application rate:** 1 – 400 ml/h, increments of 1 ml/h
- **Total volume:** 1 – 5000 ml/h, increments of 1 ml/h (1-49 ml) and 50 ml/h (50-5000 ml)
- **Flow time:** 15 min – 24 h, variable at 15 min intervals
- **Flow rate accuracy:** +/- 10 %
- **Water protection:** IP 22
- **Occlusion detect. pressure:** < 150 kPa (1,5 bar)
- **Air detection:** > 10 ml
- **Operating temperature:** + 5°C... + 40°C

Enteroport® plus	Ref. no.
Enteroport® plus Pump	8710355
Enteroport® plus Accessories	Ref. no.
Power supply:	
Euro plug	8710360
UK plug	8710361
US plug	8710362
Brazil plug	8710363
Pole clamp	8721061
Staff Call	8721548
Support stand	8721670

User benefits

- Suitable for hospital and home care
- Small, lightweight design
- Customisable settings
- Continuous, interval, and bolus feeding programs
- Easy loading of pump cassette
- Quiet pump operation

Application Set:

- DEHP-free and steril
- Drip chamber and roller clamp

Enteroport® plus Application Sets	Ref. no.
Basic Application Set	
Enteroport® plus Set 500 ml	8721726
Enteroport® plus Set 1000 ml	8721734
Enteroport® plus Set 2500 ml	8721742
Enteroport® plus Set FL	8721688
Enteroport® plus Set Multispike	8721750
Enteroport® plus Set Universal Adapter	8721744
Safety Application Sets	
Enteroport® plus Set 1000 ml Safety	8721735
Enteroport® plus Set Universal Adapter Safety	8721745
Transition Application Sets	
Enteroport® plus Set 1000 ml ENFit™	8721736
Enteroport® plus Set Universal Adapter ENPlus/ENFit™	8721746
Enteroport® plus Set ENPlus/ENFit™	8721748
Final Application Sets – New ISO Standard	
Enteroport® plus Set 1000 ml ENFit™	8721737
Enteroport® plus Set Universal Adapter ENPlus/ENFit™	8721747
Enteroport® plus Set ENPlus/ENFit™	8721749

Nutrifix® Sets – Gravity Administration sets

Nutrifix® 1000 ml - HF



Nutrifix® FL - HF

Nutrifix® Multispike - HF

- Meets international EN Safety recommendations
- Gravity administration sets

Characteristics:

- Administration with storage bag (1.000, 2.500 ml)
- Administration with connector for crown cork bottles
- Administration with Multispike connector for use with bags
- Combined cone and female Luer-Lock connector with closure cap
- Conformity to DIN EN 1615

Presentations	Ref. no.
Nutrifix® 1000 ml – HF; set with 1000 ml bag	9240667
Nutrifix® 2500 ml – HF; set with 2500 ml bag	9240685
Nutrifix® FL - HF; administration set	9240669
Nutrifix® Multispike – HF; administration set	9240632
Nutrifix® Universal adapter - HF; administration set	9240621

Enterofix® 1000 – Bag for fluid application



- Bag for fluid application to be used with Multispike connector

Characteristics:

- Storage bag (1.000 ml)
- Connection with Multispike connector (e.g. Enteroport® plus Set Multispike, Nutrifix® Multispike)

Presentations	Ref. no.
Enterofix® 1000	9240800

Nutritub®



- For naso-gastric and naso-intestinal tube feeding. All Nutritub® feeding tubes have a male ENFit™ connection only connectable with female ENFit™

Characteristics:

- Made of soft polyurethane, flexible, without DEHP
- Radio-opaque (stripes), length markings every 10 cm allowing an easy and safe placement control
- Some tubes are equipped with stylet (M)
- Nutritub® Intestinal have weighted ends to ensure intestinal placement

CH	Length in cm	Mandrin / Stylet (M)	Sales Unit	Ref. no.
Nutritub® Naso-gastric tubes with ENFit™				
8	80	-	25	9246535
10	110	●	25	9246512
12	110	●	25	9246543
14	110	●	25	9246513
14	110	-	25	9246514
16	110	●	25	9246515
16	110	-	25	9246516
18	110	●	25	9246518
18	110	-	25	9246519
Nutritub® Naso-intestinal tubes with ENFit™				
8	125	●	25	9246578
12	125	●	25	9246586

Original Perfusor® Line Type Enteral Nutrition ENFit™



Characteristics:

- Syringe connector with male ENFit™ connector for enteral syringe with female ENFit™
- Patient connector with female ENFit™ connector for tube with male ENFit™
- Inner diameter 2.5 mm
- Prime volume 7.4 ml

Length in cm	Sales Unit/ pcs	Ref. no.
150	25	87229910

		Page	
Injectable Drugs	Propofol-®Lipuro 0.5 %	Short-acting anesthetic recommended for children	125
	Propofol-®Lipuro 1% Et 2 %	Short-acting anesthetic with reduced pain of injection due to Lipuro technology	126
	Etomidate-®Lipuro	Hypnotic for induction of anesthesia with reduced pain of injection	127
	Midazolam B. Braun	Potent sedative agent for induction and maintenance of anesthesia	128
	Paracetamol B. Braun	Short-term treatment of pain and fever, convenient (ready-to-use) Ecoflac® Plus container	129
	Gentamicin B. Braun	Antibiotic against severe infections in a convenient (ready-to-use) Ecoflac® container	130
	Metronidazole B. Braun	Antibiotic against anaerobic bacteria in a convenient (ready-to-use) Ecoflac® container	131
	Ropivacaine B. Braun	Local anesthetic drug for infiltration, neuroaxial and peripheral nerve blocks	132
	Lidocaine B. Braun 1 % (10 mg/ml) and 2 % (20 mg/ml)	Rapid onset local anesthetic drug	133
	Ondansetron B. Braun	Prophylaxis and treatment of nausea and vomiting	134
	Naloxone B. Braun 0.4 mg/ml	Opioid antagonist for the complete or partial reversal of the adverse effects of opioids	135
	Heparin	Non-fractionated heparin for prophylaxis of thrombo-embolism	136

Propofol-®Lipuro 0.5 % (5 mg/ml)



User benefits

- Approved for anesthesia induction in patients over 1 month of age
- VAS < 20 mm in children (2-6 years old)²
- No dilution or mixing with local anesthetics
- Low concentration allows more precise dose titration

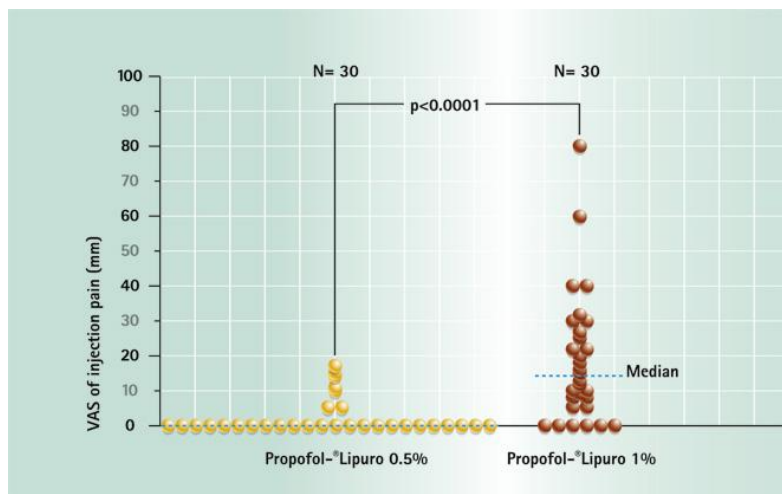
Therapeutic Indications

Propofol-®Lipuro 0.5 % is a short-acting intravenous general anesthetic for

- induction of general anesthesia for adults and children over 1 month of age
- short-term sedation for diagnostic and surgical procedures, alone or in combination with local or regional anesthesia in adults only
- induction of sedation for diagnostic and surgical procedures for adults and children over 1 month of age

A clinical trial²⁾ involving 30 +30 children examined the rate of pain sensation between patients receiving Propofol-®Lipuro 0.5% versus those receiving Propofol-®Lipuro 1% (measured by Visual Analog Score (VAS)).

Although the intensity of pain sensation with Propofol-®Lipuro was already at a low level (median VAS = 1.5) the use of Propofol-®Lipuro 0.5% could even avoid any pain reporting beyond VAS =2. Propofol-®Lipuro 0.5% significantly decreases the intensity of pain sensation in comparison to the well-tolerated Propofol-®Lipuro 1%.



References:

- 1) Soltesz S et al. Effect of a 0.5% dilution of propofol on pain on injection during induction of anesthesia in children. *Anesthesiology* 2007, 106: 80-84
- 2) A comparison of venous tolerability and injection pain of Propofol diluted in a lipid emulsion and standard Propofol in the induction of anesthesia in children (Sponsor Study Code: BBMDE-0312). on file

Container: Propofol-®Lipuro 0.5 %: 5 x 20 ml (glass ampoules)

Ref. no. 3656353 Std. Engl.

Propofol-®Lipuro 1 % (10 mg/ml) / 2 % (20 mg/ml)



User benefits Propofol-®Lipuro 1 %

- Significant reduction of injection pain
- Rapid onset and quick recovery
- Excellent Anesthesia control

User benefits Propofol-®Lipuro 2 %

- Reduced lipid and fluid load
- Improved lung function
- Enhanced liver function
- Sustained immune function

Therapeutic Indications for Propofol-®Lipuro 1%

Propofol-®Lipuro 1 % is a short-acting intravenous general anesthetic for

- induction and maintenance of general anesthesia for adults and children over 1 month of age
- sedation of ventilated patients in the intensive care unit for adults over 16 years of age
- sedation for diagnostic and surgical procedures, alone or in combination with local or regional Anesthesia for adults and children over 1 months of age

Therapeutic Indications for Propofol-®Lipuro 2%

Propofol-®Lipuro 2 % is a short-acting intravenous general anesthetic for

- induction and maintenance of general anesthesia for adults and children over 3 years of age
- sedation of ventilated patients in the intensive care unit for adults over 16 years of age
- sedation for diagnostic and surgical procedures, alone or in combination with local or regional anesthesia for adults and children over 3 years of age

Container:

Propofol-®Lipuro 1 %: 5 x 20 ml (glass ampoules)

Propofol-®Lipuro 1 %: 10 x 50 ml (glass bottles)

Propofol-®Lipuro 1 %: 10 x 100 ml (glass bottles); bottles sealed with rubber stopper

Propofol-®Lipuro 2 %: 10 x 50 ml (glass bottles); bottles sealed with rubber stopper

Ref. no. 3656308 Std. Engl.

Ref. no. 3656351 Std. Engl.

Ref. no. 3656352 Std. Engl.

Ref. no. 3656350 Std. Engl.

Etomidate-®Lipuro 2 mg/ml



User benefits

- No pain on injection
- No thrombophlebitis
- Minimal cardiovascular effects
- Ready-to-use: No pre-dissolving or dilution necessary

Therapeutic Indications

Etomidate-®Lipuro is an intravenous hypnotic agent for

- induction of general anesthesia in adults, infants and toddlers older than 6 months, children and adolescents
- short-term anesthesia in conjunction with a suitable analgesic

Midazolam B. Braun 1 mg/ml and 5 mg/ml



User benefits

- Midazolam* is one of the most frequently used IV anesthetics
- Presentations of 5 mg, 15 mg or 50 mg offer high flexibility according to patients need and reduce waste
- User friendly Mini-Plasco® Connect container :
 - Integrated finger stopper prevents contamination of ampoule neck
 - Drip-free and needle-free withdrawal
 - 100 % protection against needle-related injuries

Therapeutic Indications

Midazolam B. Braun is a short-acting sleep-inducing anesthetic that is indicated:

In adults:

- CONSCIOUS SEDATION before and during diagnostic or therapeutic procedures with or without local anesthesia
- Anesthesia
 - premedication before induction of anesthesia
 - induction of Anesthesia
 - as a sedative component in combined anesthesia
- SEDATION in intensive care unit

In children (older than 6 months):

- CONSCIOUS SEDATION before and during diagnostic or therapeutic procedures with or without local anesthesia
- Anesthesia
 - premedication before induction of anesthesia
- SEDATION in intensive care unit

Container: Midazolam B.Braun 5 mg/1 ml	1 ml glass ampoule 10 x 1 ml	ref. no. 3656341 Std. English
Midazolam B.Braun 15 mg/3 ml	3 ml glass ampoule 10 x 3 ml	ref. no. 3656340 Std. English
Midazolam B.Braun 5 mg/5 ml	5 ml Mini-Plasco® Connect 20 x 5 ml	ref. no. 3656359 Std. English
Midazolam B.Braun 50 mg/10 ml	10 ml Mini-Plasco® Connect 20 x 10 ml	ref. no. 3656358 Std. English

* Midazolam is classified as narcotic drug in most countries. Please check local import regulations before placing orders. Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

Paracetamol B. Braun 10 mg/ml



User benefits

- Easy and rapid infusion administration due to Ecoflac® Plus convenience system
- Provides predictable and fast pain relief
- A foundation for effective pain treatment
- Ready-to-use
- Ecoflac® Plus convenience container: unbreakable, upright standing, safe transport and storage

Therapeutic Indications

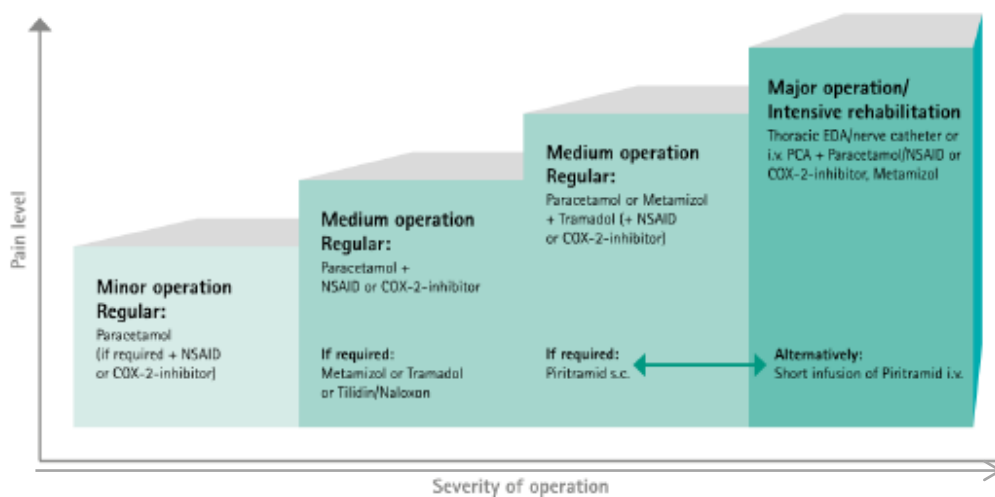
- Short-term treatment of moderate pain, especially following surgery,
- Short-term treatment of fever, when administration by intravenous route is clinically justified by an urgent need to treat pain or hyperthermia and/or when other routes of administration are not possible.

Posology and methods of administration

- The 10 ml ampoule is restricted to term newborn infants, infants and toddlers weighing up to 10 kg.
- The 50 ml bottle is restricted to term newborn infants, infants, toddlers and children weighing less than 33 kg
- The 100 ml bottle is restricted to adults, adolescents and children weighing more than 33 kg (approx. 11 years old).

Paracetamol – the foundation of analgesia

Concept of a graduated pain therapy after operations of differing severity¹⁸



Container: Paracetamol B. Braun 10 mg/ml (500 mg/50 ml): 10 x 50ml (Ecoflac® Plus)
 Paracetamol B. Braun 10 mg/ml (1000 mg/100 ml): 10 x 50ml (Ecoflac® Plus)
 Paracetamol B. Braun 10 mg/ml 20x10 ml (MiniPlasco®)

Ref. no. 3656355 Std. Engl.
 Ref. no. 3656355 Std. Engl.
 Ref. no. 3657677 Std. Engl.

Sales Unit: 10 x Ecoflac® Plus 50 ml or 100 ml container per box

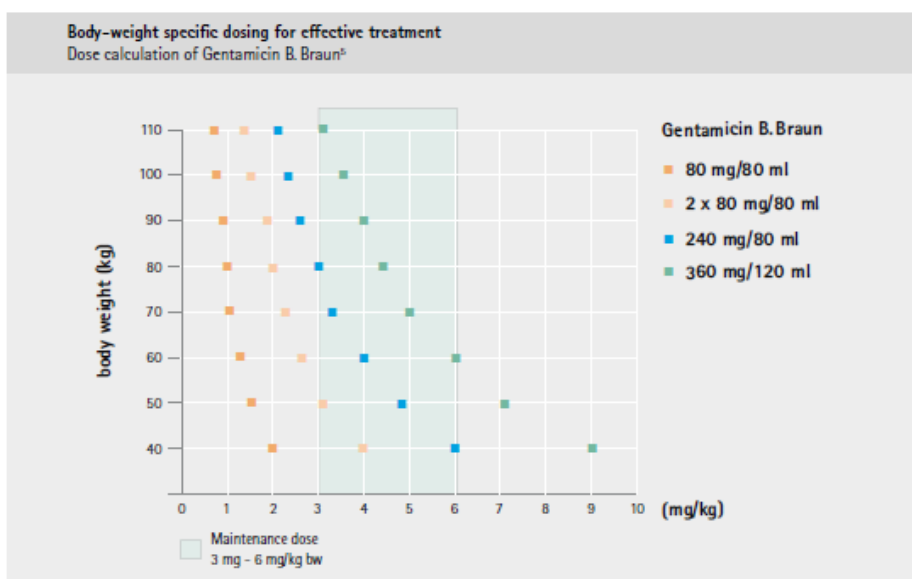
Product availability and article numbers can vary between countries. Please contact the local B.Braun representative.

Gentamicin B. Braun 80 mg/ 240 mg/ 360 mg



User benefits

- Easy and rapid infusion administration due to Ecoflac® Plus convenience system
- Ready-to-use
- Ecoflac® Plus convenience container: unbreakable, upright standing, safe transport and storage



Please carefully consider different strengths and sizes of Gentamicin B. Braun before administering to the patient. You may need to administer a specific volume to treat the patient on an individual dosage according to body weight. For this B. Braun provides Dosifix®, a volume control IV administration set with a dosage burette of 150 ml.

Therapeutic Indications

Gentamicin B. Braun is an intravenous antibiotic to treat severe infections due to bacteria susceptible to gentamicin

- treatment of complicated urinary infections
- treatment of nosocomial respiratory tract infections including severe pneumonia
- treatment of intra-abdominal infections incl. peritonitis
- treatment of bone infections including joints

Container: Gentamicin B. Braun 80 mg (1 mg/ml): 20 x 100ml (Ecoflac® Plus) filled with 80 ml
 Gentamicin B. Braun 240 mg (3 mg/ml): 20 x 100ml (Ecoflac® Plus) filled with 80 ml
 Gentamicin B. Braun 360 mg (3 mg/ml): 20 x 100ml (Ecoflac® Plus) filled with 120 ml

Ref. no. 3656346 Std. Engl.
 Ref. no. 3656347 Std. Engl.
 Ref. no. 3656348 Std. Engl.

Metronidazole B. Braun 500 mg



User benefits

- Well-known and safe antibiotic
- Easy and rapid infusion administration due to Ecoflac® Plus convenience system
- Ecoflac® Plus convenience container: unbreakable, upright standing, safe transport and storage
- Ready-to-use

Therapeutic Indications

Metronidazole B. Braun is an intravenous antibiotic for treatment and prophylaxis of infections caused by bacteria susceptible to metronidazole (mainly anaerobic bacteria)

- infection of central nervous system
- respiratory tract infections
- endocarditis
- bone and joint infections
- infections in the gastrointestinal tract and in the abdominal area

Container: Metronidazole B. Braun 500 mg: 20 x 100ml (Ecoflac® plus)

Ref. no. 3656354 Std. Engl.

Ropivacaine HCl B. Braun 2 mg/ml / 5 mg/ml / 7.5 mg/ml / 10 mg/ml



Ropivacaine vs. Bupivacaine

- Local anesthetic drug for infiltration, neuroaxial and peripheral nerve blocks
- Faster return of motor function^{1,2}
- Similarly effective sensor blockade^{1,2}
- Significant reduction in the need for opioids³
- Improved safety profile on cardiovascular and CNS system^{4,5}

User benefits Mini-Plasco® connect

- Integrated finger stopper prevents contamination of ampoule neck
- Drip-free and needle-free withdrawal
- 100 % protection against needle-related injuries

Therapeutic indications

Ropivacaine 7.5 mg/ml, 10 mg/ml:

Surgical Anesthesia:

- Epidural blocks for surgery, including Caesarean section
- Major nerve blocks
- Field blocks

Ropivacaine 2 mg/ml:

Acute pain management:

- Continuous epidural infusion or intermittent bolus administration during postoperative or labour pain
- Field blocks
- Continuous peripheral nerve block

Ropivacaine 5 mg/ml:

- Intrathecal administration in surgical anesthesia
- Single peripheral nerve block

References:

- 1) Beaudieu P., Babin D., Hammerling T., *Anesth Analg.* 2006;103;768-774
- 2) McGlade DP., Kalpokas MV, Mooney PH, *Anesth Intensive Care* 1998;26;515-520
- 3) Kucuk C., Kadiogulari N., Canoler O., *Surg Today* 2007;347;369-400
- 4) Scott DB Lee A., Fagan D., *Anesth Analg.* 1989;69;563-569
- 5) Knudsen K, Beckmann Suurkul a M., *Br J Angesth.* 1997;78;507-514

Lidocaine B. Braun 1 % (10 mg/ml) and 2 % (20 mg/ml)



User benefits

- Preservative-free formulation
- User friendly Mini-Plasco® Connect container:*
- Integrated finger stopper prevents contamination of ampoule neck
 - Drip-free and needle-free withdrawal
 - 100 % protection against needle-related injuries

Therapeutic indications

Local and regional anesthesia

Container: Lidocaine B. Braun 1% (200mg/20ml): 20 x 20 ml (MiniPlasco® Connect)
Lidocaine B. Braun 2% (400mg/20ml): 20 x 20 ml (MiniPlasco® Connect)

Ref. no. 3656318 Std. Engl.

Ref. no. 3655490 Std. Engl.

Ondansetron B. Braun 2 mg/ml



User benefits

- Full indication for prophylaxis and treatment of PONV, CINV and RINV
- No change required in user habits due to complete bioequivalence to originator drug

User friendly Mini-Plasco® Connect (only 4 ml) container:

- Integrated finger stopper prevents contamination of ampoule neck
- Drip-free and needle-free withdrawal
- Eliminates needle-related injuries
- Eliminates cuts and scratches

Therapeutic indications

Adults:

- Prevention and treatment of nausea and vomiting induced by cytotoxic chemotherapy and radiotherapy (CINV / RINV)
- Prevention and treatment of post-operative nausea and vomiting (PONV)

Children:

- Management of chemotherapy-induced nausea and vomiting (CINV) in children aged ≥ 6 months
- Prevention and treatment of post-operative nausea and vomiting (PONV) in children aged ≥ 1 month

Naloxone B. Braun 0.4 mg/ml



User benefits

- Antagonist for natural and synthetic opioids
- Complete or partial reversal of opioid effects
- Solution for injection and infusion

Therapeutic indications

Complete or partial reversal of CNS and especially respiratory depression, caused by natural or synthetic opioids.

- Diagnosis of suspected acute opioid overdose or intoxication
- Complete or partial of respiratory and other CNS depression in neonates whose mothers have received opioids

Heparin Sodium B. Braun 5000 I.U./ml



Properties

Heparin is an indispensable drug for patients in different situations like venous thromboembolism, cardiology, vascular surgery, invasive procedures, dialysis and extra corporal blood circulation.

- Contains benzyl alcohol as preservative
- Aqueous solution

Therapeutic Indications

- Therapy of acute venous and arterial thromboembolism (including early treatment of myocardial infarction and unstable angina pectoris)
- Prophylaxis of thromboembolism
- Prevention of blood clotting during use of extracorporeal circulation (e.g. cardiopulmonary bypass, haemodialysis)

Container: Heparin Sodium Inj. 5000 I.U./ml: 10 x 50 ml (glass vial)

Ref. no. 350592 Std. Engl.

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Softaskin® – for sensitive skin



Properties

- Wash lotion for hands and skin
- Colorant-free, soap-free and alkali-free
- pH 5.5, skin neutral
- With allantoin, high quality dermoprotectors, moisturisers (i.g. allantoin, urea) and surfactants (i.g. betaine)
- Low-allergen perfume
- Dermatologically tested, hypoallergenic

Advantages

- For use on the whole body
- Very good skin compatibility
- Skin-friendly even if hands are frequently washed
- Protects sensitive skin
- Allantoin soothes irritated skin
- Reduced allergy risk

Description	Ref. no.
Bottle, 100 ml	18611
Bottle, 500 ml	18613
Bottle, 1000 ml	18615

Lifosan® soft – Wash lotion for normal skin



Properties

- Wash lotion for hands and skin
- Free of alkali and soap
- pH 5.5, skin neutral
- Contains skin care components
- Also available as perfume-free variant Lifosan® pure (wash lotion for sensitive skin)

Advantages

- Mild and gentle cleansing
- For use on the whole body
- Very good skin compatibility
- Skin-friendly even when hands are frequently washed

Description	Ref. no.
Lifosan® soft	
Bottle, 100 ml	18591
Bottle, 500 ml	18593
Bottle, 1000 ml	18595
Bottle, with dosage pump, 500 ml	18950
Bottle, with dosage pump, 1000 ml	18951
Lifosan® pure	
Bottle, 100 ml	19011
Bottle, 500 ml	19014
Bottle, 1000 ml	19015
Bottle, with dosage pump, 500 ml	19012
Bottle, with dosage pump, 1000 ml	19013

Softa-Man® - Hand disinfection for sensitive skin



Properties

- Ready-to-use alcoholic solution for surgical and hygienic hand disinfection
- Active against bacteria incl. MRSA, mycobacteria (*M. terrae*), fungi, viruses (HBV / HIV / HCV, herpes simplex, vaccinia, rota, noro, adeno)
- Contains high quality dermoprotectors (dexpanthenol, allantoin and bisabolol) and moisturisers
- Dermatologically tested
- Combination of alcohols as active ingredients: 45 g ethanol (100%) and 18 g propan-1-ol per 100 ml solution
- Tested according to prEN12054/13727, EN 1275, EN 14348, EN 13624, EN 1500, EN 12791
- Effective against bacteria (incl. MRSA, TbB) and fungi
- Virucidal effect: effective against enveloped viruses (incl. HBV, HCV, HIV)

Advantages

- Large spectrum of activity application
- The components favor regeneration of the skin's acid protection and its hydration
- Reduced risk of allergies
- Complies with European standards
- Time to take effect: 15 seconds for hygienic hand disinfection, 60 seconds for surgical hand disinfection

Description	Ref. no.
Bottle, 100 ml	19573*
Bottle, 500 ml	19574*
Bottle, 1000 ml	19575*
Bottle, 500 ml with dispensing pump	19537*

* Label "MEA": English, French, Arabic, Portuguese

Softa-Man® Visco Rub



Properties

- Ready-to-use alcoholic solution with a gel-like, viscous consistency
- Colorant-free
- Fragrance-free
- Perfume-free
- Effective against bacteria (incl. MRSA, TbB) and fungi
- Virucidal effect: effective against enveloped viruses (incl. HBV, HCV, HIV)

Advantages

- Excellent skin compatibility – dermatologically tested
- Low risk of allergies
- Large spectrum of activity
- DGHM¹/VAH² listed
- Prevents inconvenient dripping out of hands
- More accurate dosage
- Economic usage
- Time to take effect: 15 s for hygienic hand disinfection
- 60 seconds for surgical disinfection

Description	Ref. no.
Bottle, 100 ml	19576*
Bottle, 500 ml	19577*
Bottle, 500 ml with dispensing pump	19716*
Bottle, 1000 ml	19578*

* Label "MEA": English, French, Arabic

Softa-Man® acute



Description	Ref. no.
Bottle, 100 ml	on demand
Bottle, 500 ml	on demand
Bottle, 1000 ml	on demand

Properties

- Ready-to-use alcoholic solution for surgical and hygienic hand disinfection
- Extended virucidal profile
- Active against bacteria incl. MRSA, mycobacteria (*M. terrae*), fungi, viruses (incl. avian influenza, corona (SARS), HBV / HIV / HCV, vaccinia, rota, noro, polio, adeno, papova)
- Dermatologically tested
- Active ingredients: 45 g ethanol (100%) and 18 g propan-1-ol per 100 ml solution and excipients
- Tested according to prEN12054/13727, EN 1275, EN 14348, EN 13624, EN 1500, EN 12791

Advantages

- Reduced risk of allergies
- Fast acting and application time:
15 seconds for hygienic hand disinfection
30 seconds against noro viruses
60 seconds against non-enveloped viruses
60 seconds for surgical hand disinfection
- Perfume-free

Softa-Man® pure



Description	Ref. no.
Bottle, 100 ml	on demand
Bottle, 500 ml	on demand
Bottle, 1000 ml	on demand

Properties

- Ready-to-use alcoholic preparation
- Contains moisturisers and valuable conditioning agents, such as panthenol (provitamin B 5), bisabolol and allantoin
- Without perfume
- Active against bacteria (incl. mycobacteria) and fungi, viruses
- Active ingredients: 45 g ethanol (100%) and 18 g propan-1-ol per 100 ml solution and excipients
- Tested according to prEN12054/13727, EN 1275, EN 14348, EN 13624, EN 12791

Advantages

- For disinfection and cleansing of hands
- Can be used in perfume-sensitive areas
- Low risk of allergies due to absence of perfume
- Application time:
15 seconds for hygienic hand disinfection
60 seconds for surgical hand disinfection

Trixo®/Trixo®-lind – Hand and skin care lotion for normal and sensitive skin



Properties

- Hand and skin care lotion for normal (Trixo®) or sensitive (Trixo®-lind) skin
- Skin-neutral pH, no colorants contained
- A special film protects the skin when working with aqueous substances
- Quickly penetrates the skin, is non-greasy and non-sticky
- Allergy-tested hand and skin care lotion
- High quality ingredients such as panthenol and allantoin (Trixo®-lind)

Advantages

- Provides the skin with intensive care
- Skin-friendly
- Reduces skin irritation
- The skin retains its natural grip after the cream is applied
- Soothes irritated skin and maintains the skin's moisture film
- Fast absorption
- Oil-in-water emulsion

Trixo®-lind pure



Properties

- Hypoallergenic hand and skin care lotion
- Skin-neutral pH, no colorants contained
- Without perfume: should be used in the case of perfume allergies
- A special film protects the skin when working with aqueous substances
- Quickly penetrates the skin, is non-greasy and non-sticky
- Contains high-quality dermoprotectors such as panthenol and allantoin

Advantages

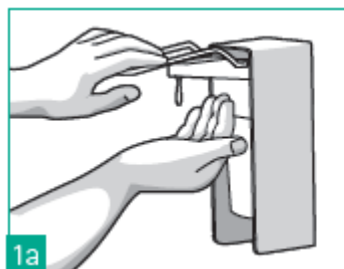
- Provides the skin with intensive care
- Low risk of allergies due to absence of perfume
- Reduces skin irritation
- Can be used in perfume-sensitive areas
- The skin retains its natural grip after the cream is applied
- Soothes irritated skin and maintains the skin's moisture film

Reference numbers for hand & skin care lotions

Description	Ref. no.
Trixo®	
Tube, 100 ml	18599
Bottle, 500 ml	18601
Trixo®-lind	
Tube, 20 ml	18603
Tube, 100 ml	18605
Bottle, 500 ml	18607
Trixo®-lind pure	
Tube, 100 ml	19005
Bottle, 500 ml	19016
Bottle with dosage pump, 500 ml	19010

How to Handrub?

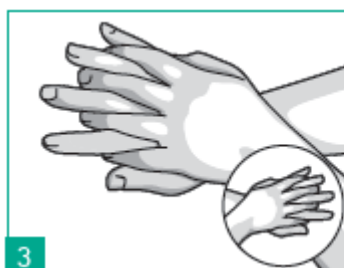
Rub hands for hand hygiene! Wash hands instead when visibly soiled. Duration of entire procedure: 20–30 seconds.



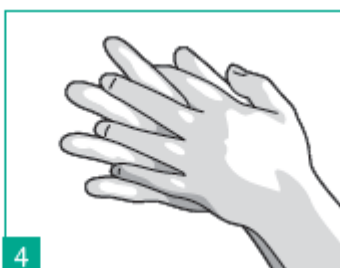
Apply a palmful of the product in a cupped hand, enough to cover all hand surfaces



Rub hands palm to palm



Right palm over left dorsum with interlaced fingers and vice versa



Palm to palm with fingers interlaced



Backs of fingers to opposing palms with fingers interlocked



Rotational rubbing of left thumb clasped in right palm and vice versa



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa



Once dry, your hands are safe.

How to Handwash?

Wash hands when visibly soiled. Otherwise, use handrub. Duration of entire procedure: 40-60 seconds.



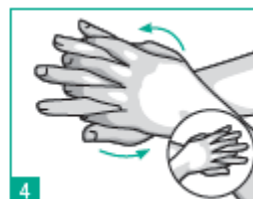
1 Wet hands with water



2 Apply enough soap to cover all hand surfaces



3 Rub hands palm to palm



4 Right palm over left dorsum with interlaced fingers and vice versa



5 Palm to palm with interlaced fingers



6 Backs of fingers to opposing palms with fingers interlocked



7 Rotational rubbing of left thumb clasped in right palm and vice versa



8 Rotational rubbing backwards and forwards with clasped fingers of right hand in left palm and vice versa



9 Rinse hand with water



10 Dry hands thoroughly with a single use towel



11 Use towel to turn off faucet



12 Your hands are now safe

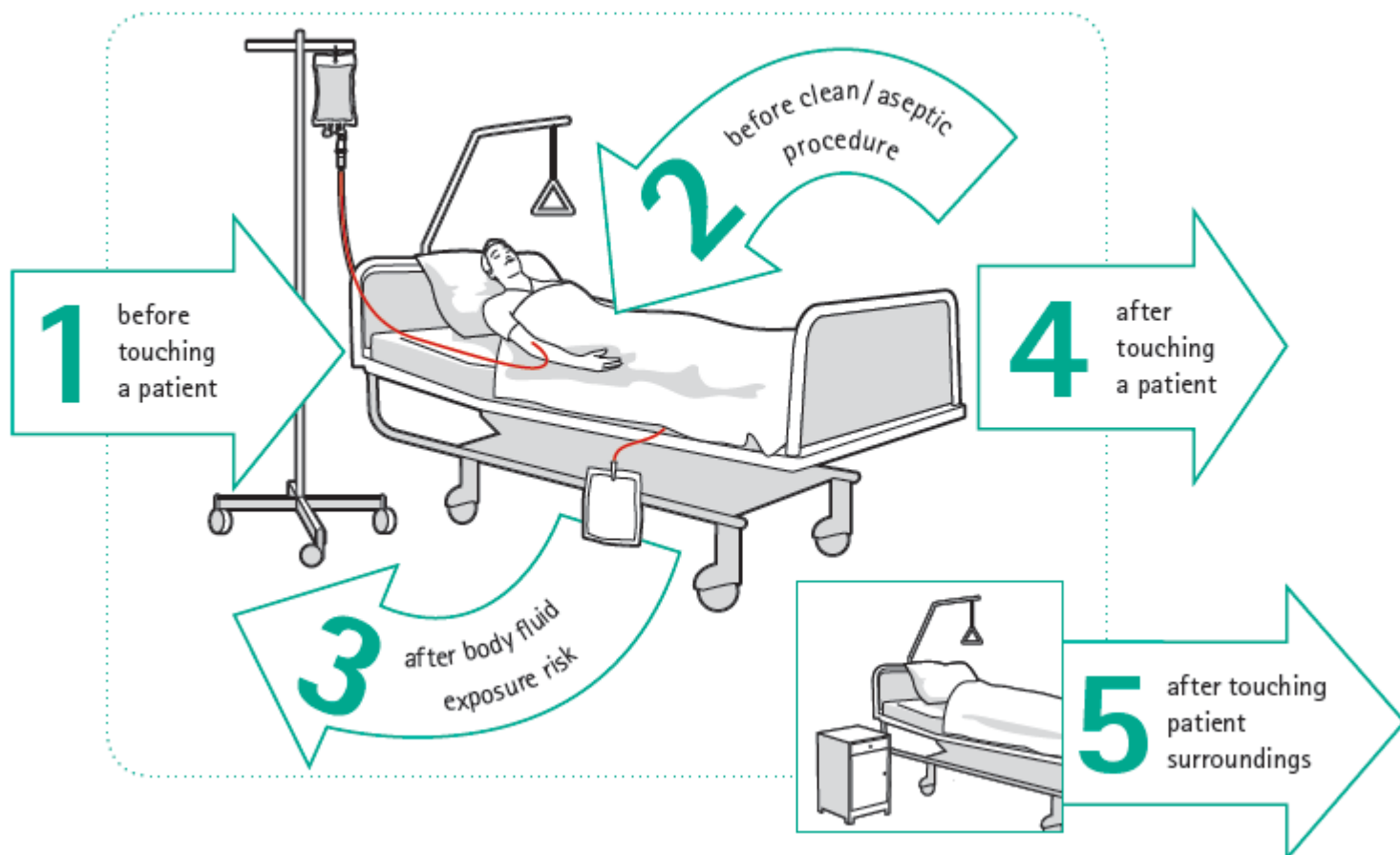
Hand Care

- Take care of your hands by regularly using hand cream or lotion, at least daily.
- Do not routinely wash hands with soap and water immediately before or after using an alcohol-based handrub.
- Do not use hot water to rinse your hands.
- After handrubbing or handwashing, let your hands dry completely before putting on gloves.

Please Remember

- Do not wear artificial fingernails or extenders when in direct contact with patients.
- Keep natural nails short.

WHEN? – Your 5 Moments for Hand Hygiene*



***NOTE:**

Hand Hygiene must be performed in all indications described regardless of whether gloves are used or not.

Braunol® – Universal povidone-iodine antiseptic solution for skin, mucous membranes and wounds



Properties

- Aqueous povidone-iodine solution antiseptic treatment of the skin
- For mucous membrane antiseptics and wound therapy
- For hand and skin disinfection on the hospital ward or in the operating theatre
- Ready-to-use povidone-iodine solution
- Active against bacteria incl. MRSA, mycobacteria, fungi, enveloped viruses (HBV / HIV), protozoa
- Rapid activity within 15 seconds
- Active ingredients: 7.5 g povidone-iodine (10% available iodine) per 100 g solution
- Effective against bacteria incl. MRSA, mycobacteria and fungi

Advantages

- Fast-acting skin disinfection before injections and punctures
- Brown color clearly marks the disinfected area
- Can be diluted or concentrated for antiseptic irrigation and washing or wound treatment

Description	Ref. no.
Bottle, 500 ml	19564*
Bottle, 1000 ml	19566*

* Label "MEA": English, French, Arabic

Softasept® N – Skin disinfection



Properties

- Ready-to-use alcoholic solution for pre-operative skin disinfection, before injections, and venous punctures
- Active against bacteria incl. MRSA, mycobacteria, fungi, viruses (HBV / HIV / HCV, vaccinia, polio)
- Rapid activity within 15 seconds – dries rapidly
- Good skin compatibility
- Active ingredients: 74.1 g ethanol (100%), 10 g propan-2-ol per 100 g solution
- Available as colored or color-free solution
- Tested in vitro and under simulated practical conditions according to DGHM¹/VAH²

Advantages

- Excellent short- and long-term activity
- Good skin penetration
- Dries rapidly

Description	Ref. no.
Softasept® N, uncolored	
Bottle, 250 ml	19569*
Bottle, 1000 ml	19570*
Softasept® N, colored	
Bottle, 250 ml	19571*
Bottle, 1000 ml	19572*

* Label "MEA": English, French, Arabic

Softa® Swabs – Pre-injection cleansing swabs



Properties

- Single-use alcohol swabs for skin cleansing prior to puncture or injection
- Non-woven, low-linting, polypropylene-cellulose swabs
- Saturated with 70% isopropyl alcohol
- Medium size
- Individually packed hermetically sealed foil pouches

Advantages

- Soft
- Highly absorbent
- Easy to grip
- Ideal size for application
- Medical device (CE-marked)
- Ready-to-use

Product size	Sales Unit/ pcs.	Ref. no.
Softa® Swabs folded: 32.5 x 30 mm unfolded: 65.0 x 30 mm	100	19579

Prontoderm® Shower Gel – MDRO decolonization , physical cleansing and nursing care for the whole body



Properties

- Shower gel for MDRO (in particular MRSA, VRE, ESBL) decolonization
- Based on polyhexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerability
- For showering of mobile patients and personnel
- Excellent skin tolerance
- Suitable for long-term use

Advantages

- Gel does not flow away but can be rubbed in gently in the shower
- Well-known substance with low allergenic potential and frequently used in cosmetic products
- Can be used on sensitive or irritated skin

Product size	Ref. no.
100 ml tube	400211

Prontoderm® Foam – Ready-to-use cleansing foam



Properties

- Ready-to-use foam for antimicrobial cleansing of the whole body, MDRO (in particular MRSA) decolonization
- Based on betaine-surfactant, polyhexanide (polyaminopropyl biguanide) and panthenol (skin care): high skin tolerability
- Suitable for long-term use , especially for of immobile and bedridden patients
- Tested according to prEN 12054/13727, EN 1275
- „Leave on" product

Advantages

- For the treatment of sensitive skin
- Optimal treatment for bedridden elderly patients or patients with sensitive irritated skin (panthenol)
- No rinsing of the skin required after treatment
- Sustained antimicrobial barrier effect

Product size	Ref. no.
200 ml pump dispenser	400111

Prontoderm® Solution – Body (nasal) decolonization including MDRO (MRE, e.g. MRSA, ESBL, VRE)



Properties

- Ready-to-use colourless solution for antimicrobial cleansing of the whole body, MDRO (in particular MRSA) decolonization
- Based on surfactants, polyhexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerability
- Tested according to prEN 12054/13727, EN 1275
- „Leave on” product

Advantages

- Easy to use
- No rinsing of the skin required after treatment
- Sustained antimicrobial barrier effect
- Can be used on sensitive or irritated skin

Product size	Ref. no.
500 ml bottle	400102
5 l canister	400100

Prontoderm® Nasal Gel – Nasal decolonization including MDRO (MRE, e.g. MRSA, ESBL, VRE)



Properties

- Nasal gel for MDRO (in particular MRSA) decolonization
- Based on polyhexanide (polyaminopropyl biguanide): high skin and mucous membrane tolerability
- Tested according to EN 1040
- „Leave on” product

Advantages

- Specific product for the nose
- Well-known substance with low allergenic potential frequently used in cosmetic products
- Water based gel for painless application

Product size	Ref. no.
30 ml tube	400200

ProntOral® – Decolonization including MDRO (MRE, e.g. MRSA, ESBL, VRE)



Properties

- Ready-to-use mouth wash for antimicrobial cleansing and MDRO (in particular MRSA) decolonization of the mouth
- Colorless, without chlorhexidine
- Eliminates odour and bad taste
- Tested in vitro and according to EN 1040

Advantages

- For gargling
- No coloration of oral mucous membranes
- For long-term use
- Application time: at least 30 seconds and / or 60 seconds for MRSA

Product size	Ref. no.
250 ml bottle	400700

Prontoderm® Wipes – Body decolonization including MDRO (MRE, e.g. MRSA, ESBL, VRE)



Properties

- Ready-to-use wipes for antimicrobial cleansing of the whole body, MDRO (in particular MRSA) decolonization
- Based on betaine-surfactant and polihexanide (polyaminopropyl biguanide): High skin and mucous membrane tolerability
- Tested according to prEN 12054/13727, EN 1275
- „Leave on” product

Advantages

- Easy to use
- No rinsing of the skin required after treatment
- Sustained antimicrobial barrier effect
- Can be used on sensitive or irritated skin

Product size	Ref. no.
10 wipes pack (200 x 300 mm)	400106

Helizyme – Cleaning of flexible endoscopes and sensitive medical devices



Properties

- Enzymatic cleaner for preliminary manual cleaning of surgical instruments and endoscopes
- pH neutral
- For manual cleaning of reusable invasive and non-invasive medical devices, such as surgical instruments, flexible and rigid endoscopes
- Patented combination of enzymes and surfactants

Advantages

- For sensitive surgical instruments as well as rigid and flexible endoscopes
- Suitable for thermostable instruments
- Suitable for ultrasound cleaning
- Fast-acting
- Excellent material compatibility
- Even removes dried dirt
- Clinically proven biofilm removal
- Recommended by Aesculap

Description	Ref. no.
Bottle, 1000 ml	18557
Canister, 5 l	18767

Stabimed® fresh – Cleaning and disinfection of invasive and non-invasive medical devices



Properties

- Cleaning and disinfection of invasive and non-invasive medical devices, e.g. heat-resistant surgical instruments, rigid and flexible endoscopes
- Active against bacteria, mycobacteria (*M. terrae*), levurocidal, enveloped and non-enveloped viruses (HBV, HCV/HIV, Adeno-, Polyomavirus)
- Active ingredients: 20 g cocopropylendiamine per 100 g solution

Advantages

- Fresh and pleasant smell with fast and economic efficiency
- Free of aldehyde, phenol, guanidinum and quaternary ammonium compounds
- Low working concentrations:
 - 1 % for 5 minutes
 - 0.5 % for 15 minutes

Contraindication

- Do not mix with aldehydes.

Description	Ref. no.
Bottle, 1000 ml	19689
Canister, 5 l	19690

Helipur® H plus N – Disinfection of heat sensitive medical devices



Properties

- Aldehyde-based instrument disinfectant of previously cleaned invasive and non-invasive medical devices such as flexible and rigid endoscopes
- Active against mycobacteria (*M. terrae*), fungi, enveloped and non-enveloped viruses (incl. HBV, HCV, HIV), sporicidal
- Tested in vitro and under simulated practical conditions (DGHM methods)
- Active ingredients: 12 g glutaraldehyde, 7.5 g propan-2-ol, 0.5 g ethylhexanol per 100 g solution
- For final disinfection of heat-sensitive reusable medical devices

Advantages

- Formaldehyde-free
- May also be used in ultrasonic baths
- Low working concentrations:
 - 1.5 % for 15 minutes
 - 1 % for 1 hour

Description	Ref. no.
Bottle, 1000 ml	3891950
Canister, 5 l	3892212

Cleaner and disinfection products for machine reprocessing are available upon request. For details please contact your local distributor.

Meliseptol® New Formula – Fast-acting alcoholic surface disinfection

Properties

- Ready-to-use alcoholic disinfectant for all non-invasive medical inventory, medical devices e.g. examination chairs, hospital beds, theatre equipment and other kinds of surfaces
- Highly efficient based on a mid-level alcohol concentration – active within 1 minute
- Enhanced cleaning performance, even on shining metallic surfaces

Advantages

- Without additional antimicrobial ingredient like aldehydes, QAC
- Pleasant, lemon-like smell
- Fast and comprehensive activity spectrum incl. mycobacteria and non-enveloped viruses as Rota-, Adeno- and Norovirus (MNV)



Meliseptol® rapid – Fast-acting alcoholic surface disinfection

Properties

- Ready-to-use, fast-acting alcoholic surface disinfectant
- For medical equipment such as hospital beds, mattress covers, treatment chairs, and other small-sized alcohol-resistant surfaces
- Active against bacteria, mycobacteria (*M. terrae*), fungi and viruses (HBV/HIV/HCV, rota adeno, vaccinia, papova, noro and polio)
- Active ingredients: 50 g propan-1-ol, 0.075 g didecylmethylammoniumchloride per 100 g solution
- Tested in vitro and under simulated practical conditions (DGHM methods) and according to prEN 1317/13727, EN 13624, EN 13697

Advantages

- Active undiluted in 1 minute
- Broad application spectrum
- Aldehyde- and alkylamine-free
- Fully virucidal in 10 minutes



Meliseptol® Foam pure



Properties

- Ready-to-use surface disinfectant of alcohol sensitive surfaces
- Alkylamine-free, aldehyde-free
- Color-free
- Aerosol-free
- Meliseptol® Foam pure is effective against:
Bacteria (incl. TB bacili) and fungi:
Enveloped viruses: Avian Influenzy A-, HCV, and Vaccinia-Virus
Non-enveloped viruses: Polyoma- and Rota- viruses
- Available in 750 ml spray bottles or 5 L canisters

Advantages

- Active undiluted in 1 minute
- Very good material compatibility, even for examination beds, ultrasound probes, acryl glass, B. Braun Space Pumps, haemodialysis machine Dialog+, etc.
- Dermatologically tested
- Broad application spectrum

Meliseptol® Wipes sensitive – Fast acting alcohol based disinfectant wipes



Properties

- Fast and effective
- Ready-to-use disinfection wipes, impregnated with Meliseptol® Foam solution
- Dries rapidly
- Alkylamine-free
- Colorless
- Perfume-free
- Rolled jumbo wipes (200 * 152 mm²)

Advantages

- Very good material compatibility, even for examination beds, ultrasound probes, acryl glass, B. Braun Space Pumps, haemodialysis machine Dialog+, etc.
- Dermatologically tested
- Broad application spectrum
- Amount of impregnated solution ensures that penetration of moisture into the device is prevented as well as clogging of delicate tubings
- High safety standard for your devices
- 60 wipes per dispenser / refill pack

Meliseptol® Wipes Sensitive – Disinfectant wipes in Flowpack for sensitive surfaces



Properties

- EN 16615 approved for bacteria and yeasts
- Fast acting against mycobacteria and enveloped viruses as well Polyoma- and Norovirus
- Available in 2 sizes coming in a hygienic flow pack with re-closable lid
- Optimised wipe folding for single hand removal
- 90 days in use stability
- Dermatological tested, perfume- and colorant-free

Advantages

- Active undiluted in 1 minute
- Aldehyde- and alkylamin-free
- Excellent material compatibility with alcohol sensitive materials e.g. ultrasound probes, space infusion pumps, Dialog+ Haemodialysis, machines, artificial leather etc.

Meliseptol® Wipes ultra – Alcohol-free disinfectant wipes



Properties

- For virucidal preparation of medical devices coming into contact with mucous membranes. Particularly suitable for ultrasound probes
- Ready-to-use wipes for cleaning and disinfection of medical devices sensitive to alcohol
- Based on quaternary ammonium compound
- Active against bacteria, fungi, enveloped and non-enveloped viruses as well as bacteria spores
- 100 wipes per dispenser box – wipes size 140 x 200 mm
- Box is equipped with a click lock

Advantages

- Alcohol- and aldehyde-free therefore contains no fixing ingredients for organic contaminations
- Virucidal and sporicidal within 2 minutes – incl. Polyomavirus
- Fast and efficient with all-around protection
- Optimized wipe-dispensing system with „Safe-Lock“ feature

Meliseptol® HBV tissues – Wipe disinfection of surfaces (alcoholic)



Properties

- Wipe disinfection for small alcohol-resistant surface areas in doctors and dentists' consulting rooms and in hospitals
- Saturated with 180 seconds fast-acting Meliseptol® rapid disinfectant
- Active against bacteria, mycobacteria (M. terrae), fungi and viruses (HBV/HIV/HCV, rota, adeno, vaccinia, papova, noro and polio)
- Active ingredients: 50 g propan- 1-ol, 0.075 g didecylmethylammoniumchloride per 100 g solution (Meliseptol® rapid)
- 100 wipes per dispenser, 100 wipes refill pack
- Refillable
- Box is equipped with a click lock

Advantages

- Active in 1 minute
- Broad application spectrum
- Economic refill pack
- Aldehyde- and amine-free

Reference numbers for Meliseptol® range

Description	Ref. no.
Meliseptol® New Formula	
Dosage bottle, 250 ml	19762
Dosage bottle, 1000 ml	19761
Spray bottle, 250 ml	19763
Spray bottle, 1000 ml	19764
Meliseptol® rapid	
Dosage bottle, 250 ml	18566
Spray bottle, 250 ml	18564
Oval dosage bottle, 1000 ml w/o spray head	19108
Dosage spray bottle, 1000 ml w/o spray head	18565
Canister, 5 l	18567
Meliseptol® HBV tissues	
Dispenser box, 100 tissues	18706
Refill pack, 100 tissues	18707
Meliseptol® Foam pure	
Spray bottle, 750 ml	19796
Canister, 5 l	19288
Meliseptol® Wipes sensitive	
Dispenser box, 60 tissues	19582
Refill pack, 60 tissues	19530
100 flow pack,	19894
XL flow pack	19893
Meliseptol® Wipes Ultra	
Dispenser box, 100 wipes	19810
Accessories	
Spray head for Meliseptol® rapid for 1000 ml bottle	6510094

Softa® Cloth CHX 2 % – Wipes for surface and decontamination of medical devices



Properties

- Single-use alcohol swabs with 70 % v/v Isopropyl alcohol and 2 % Chlorhexidine gluconate
- Wipe material: 25 g/m² 100 % Polypropylene (hydrophilic non-ionic finish)
- Clean, white uniform wipes pre-moisturized with liquid, free from foreign matter

Advantages

- Ready-to-use
- Convenient
- Compatible with Discofix® C and Safeflow

Product Size	Shelf life	Pack Size	Ref. no.
Softa® Cloth CHX 2 %	24 months	100 wipes	19581

Melsept® SF – Formaldehyde-free surface disinfectant (aqueous)



Properties

- For cleaning and disinfection of large surface areas within a medical setting
- For all parts of hospital
- Aldehyde and ammonium compound-based disinfectant
- Active against bacteria, mycobacteria (*M. tuberculosis*), fungi, enveloped and non-enveloped viruses (incl. HBV, HCV, HIV)
- Active ingredients: 7.5 g didecyldimethylammoniumchloride, 4.5 g glutaraldehyde, 3.2 glyoxal, per 100 g solution
- Tested in vitro and under simulated practical conditions (DGHM methods)
- Blue-colored solution

Advantages

- Excellent cleaning and disinfecting properties
- Very good material compatibility
- Broad application spectrum
- Allows visual control
- Low working concentrations: 0.5 % for 60 minutes
- Pleasant fragrance
- Free of formaldehyde

Description	Ref. no.
Dosage bottle, 1000 ml	18906
Canister, 5 l	18907

Hexaquant® plus – Aldehyde-free surface disinfectant (aqueous)



Properties

- Cleaning and disinfection of high-risk areas in hospitals and medical practices
- Aldehyde-free surface cleaning and disinfectant
- Active against bacteria, mycobacteria, fungi, viruses (HBV, HIV, HCV, rota, adeno, polyoma and noro)
- Active ingredients: 6 g didecyldimethylammoniumchloride, 5.5 g N-(3-aminoropyl)-N-dodecylpropan- 1,3-diamine per 100 g solution
- Tested in vitro and under simulated practical conditions (DGHM methods)

Advantages

- Excellent material compatibility
- Broad application spectrum
- Neutral aroma
- The only product with two different perfumes. The user can switch at any time between the two perfume nuances Hexaquant® plus and Hexaquant® plus lemon fresh without having to change the infection control plan.
- Low working concentrations: 1.5% for 15 minutes, 0,5 % for 60 minutes

Description	Ref. no.
Bottle, 1000 ml	18884
Canister, 5 l	18885

Hexaquart® forte – Aldehyde-free surface disinfectant (concentrate)



Properties

- Cleaning and disinfection of high-risk areas in hospitals and medical practices
- Based on quaternary ammonium compounds
- Aldehyde-free surface cleaning and disinfectant
- Active against bacteria, mycobacteria, yeasts, enveloped viruses (HBV, HIV, HCV, rota, adeno, polyoma and noro)
- Active ingredients: 7.9 g didecyldimethylammoniumchloride, 5.5 g N-(3-aminoropyl)-N-dodecylpropan- 1,3-diamine per 100 g solution
- Tested in vitro and under simulated practical conditions (DGHM methods)

Advantages

- Excellent material compatibility
- Excellent cleaning compatibility
- Aldehyde-, Amin-, Perfume-free
- Low working concentrations:
 - 2 % for 5 minutes
 - 0.5 % for 60 minutes

Description	Ref. no.
Bottle, 1000 ml	19105
Canister, 5 l	19106

Wall Dispenser plus with metal pump



Properties

- Aluminum housing
- Adjustable dosing from 0.5 ml to 1.5 ml
- Plastic pump is compatible with B. Braun alcoholic hand rubs, hand washing lotions and hand care lotions
- All parts can be reprocessed in a washer disinfector with a pH-neutral cleaner and can be autoclaved at 134° C and 3 bar
- Plastic pump is not autoclavable

Description	Ref. no.
<i>Visible lever arm length: 100 mm</i>	
for 500 ml bottle: model E A/K	4400010
for 1000 ml bottle: model T A/K	4400009A
<i>Visible lever arm length: 170 mm</i>	
for 500 ml bottle: model ELS A/K	4400114
for 1000 ml bottle: model TLS A/K	4400115

Wall Dispenser plus with plastic pump



Properties

- Aluminum housing
- Adjustable dosing from 0.5 ml to 1.5 ml
- Plastic pump is compatible with B. Braun alcoholic hand rubs, hand washing lotions and hand care lotions
- All parts can be reprocessed in a washer disinfector with a pH-neutral cleaner and can be autoclaved at 134° C and 3 bar
- Plastic pump is not autoclavable!

Description	Ref. no.
<i>Visible lever arm length: 100 mm</i>	
for 500 ml bottle: model E A/K	1418893
for 1000 ml bottle: model T A/K	1418892
<i>Visible lever arm length: 170 mm</i>	
for 500 ml bottle: model ELS A/K	1418894
for 1000 ml bottle: model TLS A/K	1418895

Wall Dispenser ER T



Properties

- Soap and disinfection dispenser with plastic housing and locking set
- Stainless steel arm lever with visible length 170 mm
- Plastic pump is compatible with B. Braun alcoholic hand rubs and hand washing lotions
- Do not use with skin care lotion
- Adjustable dosing 0.7/1.0 and 1.5 ml per hub
- Plastic pump can not be autoclaved
- Dimension: W 100 x H 381 x D 158 mm
- Backplate comparable with Wall Dispenser Plus

Description	Ref. no.
For 1000 ml bottle	4401316

Wall Bracket



Properties

- Made of stainless steel
- Double-sided adhesive pad allows convenient fixation

Description	Ref. no.
For 500 ml bottle	3908339
For 1000 ml bottle	3908340

Wire Dispenser



Properties

- Wire dispenser for beds

Description	Ref. no.
For 500 ml bottle	1416337

Bed Bracket



Properties

- Made of stainless steel
- To hang bottle on beds

Description	Ref. no.
For 500 ml bottle	3908342
For 1000 ml bottle	3908341

B. Braun Touchless Dispenser



Properties

- Sensor operated dispenser improves hygienic safety
- For all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Autoclavable pump (max. 123° C)
- Scratch resistant casing made of anodized aluminum
- Battery operated
- With emergency operating lever
- Adjustable dosing 0.75 – 1.5 ml

Description	Ref. no.
For 500 ml bottle	1420140
For 1000 ml bottle	3908393

B. Braun Touchless Dispenser system



Properties

- Sensor operated dispenser improves hygienic safety
- For all B. Braun hand disinfectants, liquid soaps and skin care lotions
- Autoclavable pump (max. 123° C)
- Scratch resistant casing made of anodized aluminum
- Battery operated
- With emergency operating lever
- Adjustable dosing 0.75 – 1.5 ml
- Including drip tray

Description	Ref. no.
For 500 ml bottle	4400774
For 1000 ml bottle	3908403

Accessories for B. Braun Touchless Dispenser



Properties

- To lock the products into Touchless Dispenser
- Plastic tray

Description	Ref. no.
Locking plate for Touchless Dispenser 500 ml / 1000 ml	3908395
Drip Tray for Touchless Dispenser 500 ml / 1000 ml	3908394

Hand Pump standard



Properties

- For 500 ml and 1000 ml bottles
- Swan head
- Reflux valve
- Single use
- Dosage approx. 1 ml
- No measuring device

Description	Ref. no.
Hand pump for 500 ml bottle	82176
Hand pump for 1000 ml	82177

Hand Pump with reflux valve



Properties

- For 500 ml and 1000 ml bottles
- Round head
- Reflux valve
- Single use
- Dosage approx. 2 ml
- No measuring device

Description	Ref. no.
Hand pump with reflux valve for 500 ml bottle	3908380
Hand pump with reflux valve for 1000 ml	3908381

Hand Pump with reflux valve and long nozzle



Properties

- For 500 ml and 1000 ml bottles
- Round head, long nozzle (80 mm)
- Reflux valve
- Dosage approx. 1.7 ml
- No measuring device

Description	Ref. no.
Hand pump with reflux valve and long nozzle for 500 ml bottle	3908405
Hand pump with reflux valve and long nozzle for 1000 ml bottle	3908404

Spray Head



Properties

- Spray head for alcoholic skin and surface disinfection in 1000 ml bottle
- For Meliseptol® and Meliseptol® rapid, Softasept® N, Braunoderm® or Braunol®

Description	Ref. no.
Spray head for 1000 ml bottle	3908012

Spray Head "red" for Meliseptol® / Meliseptol® rapid



Properties

- Spray head for alcoholic skin and surface disinfection in 1000 ml bottle
- For Meliseptol® and Meliseptol® rapid
- Red head

Description	Ref. no.
Spray head for 1000 ml bottle	6510094

Spray Head single use



Properties

- Spray head for 1000 ml bottle
- Single use

Description	Ref. no.
Spray head for 1000 ml bottle	3908013

Spanner for 5 and 10 liters Canister / Spanner for 25 liters Canister / Measuring Cup

Accessories for surface and instrument disinfection

Spanner for 5 and 10 liters Canister



Properties

- For standard canister
- To span 5 -10 liters canister
- Made of plastic

Description	Sales Unit/ pcs.	Ref. no.
Spanner for 5 -10 liters canister	5	3908444

Spanner for 5 liters Canister Types "Marwin"



Properties

- For canisters used for machine reprocessing of instruments
- To span 5 liters canister
- Made of plastic
- Packs of 5 pieces

Description	Ref. no.
Spanner for 5 liters canister	3908187

Measuring Cup



Properties

- For measuring 15 ml to 50 ml
- Made of PP

Description	Sales Unit/ pcs.	Ref. no.
Measuring cup 15-50 ml	5	3908046

Instrument Tray / Discharge Stopcock / Suction Tube Doser

Accessories for surface and instrument disinfection

Instrument Tray



Properties

- Practical support for instrument disinfection
- With transparent lid
- Temperature stable up to 50° C

Description	Size	Ref. no.
Volume 2 liters	325 x 176 x 150 mm	3908259
Volume 10 liters	530 x 325 x 150 mm	3908267

Discharge Stopcock



Properties

- For convenient and economical refilling of 5 and 25 liters canister

Description	Ref. no.
Discharge stopcock for 5 liters	3908208

Suction Tube Doser



Properties

- Simply screw onto 1000 ml bottle
- Press bottle until you obtain the amount of liquid required
- Approximately measures 5 ml to 20 ml
- Single packed
- No measuring device

Description	Ref. no.
20 ml suction tube doser	3908422

Vasco® OP Underglove / Vasco® OP Sensitive

Surgical and Protective Gloves

Vasco® OP Underglove



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer
- Coating average wall thickness at palm: 0.185 mm

Size	Sales unit	Ref. no.
5.5	40 pairs	6081199
6	40 pairs	6081200
6.5	40 pairs	6081218
7	40 pairs	6081226
7.5	40 pairs	6081234
8	40 pairs	6081242
8.5	40 pairs	6081259
9	40 pairs	6081267

Vasco® OP Sensitive



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.21 mm

Size	Sales unit	Ref. no.
5.5	40 pairs	6080990
6	40 pairs	6081002
6.5	40 pairs	6081010
7	40 pairs	6081029
7.5	40 pairs	6081037
8	40 pairs	6081045
8.5	40 pairs	6081053
9	40 pairs	6081060

Vasco® OP Grip



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.22 mm

Size	Sales unit	Ref. no.
5.5	40 pairs	6081409
6	40 pairs	6081417
6.5	40 pairs	6081425
7	40 pairs	6081433
7.5	40 pairs	6081441
8	40 pairs	6081450
8.5	40 pairs	6081468
9	40 pairs	6081476

Vasco® OP eco



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.185 mm

Size	Sales unit	Ref. no.
5.5	40 pairs	6081308
6	40 pairs	6081316
6.5	40 pairs	6081324
7	40 pairs	6081332
7.5	40 pairs	6081340
8	40 pairs	6081359
8.5	40 pairs	6081367
9	40 pairs	6081375

Vasco® Surgical Powder-free / Vasco® Surgical Micro

Surgical and Protective Gloves

Vasco® Surgical Powder-free



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.22 mm

Size	Sales unit	Ref. no.
6	40 pairs	6081101
6.5	40 pairs	6081111
7	40 pairs	6081121
7.5	40 pairs	6081131
8	40 pairs	6081141
8.5	40 pairs	6081151
9	40 pairs	6081161

Vasco® Surgical Micro



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.16 mm

Size	Sales unit	Ref. no.
5.5	50 pairs	6035800
6	50 pairs	6035812
6.5	50 pairs	6035824
7	50 pairs	6035836
7.5	50 pairs	6035848
8	50 pairs	6035851
8.5	50 pairs	6035863
9	50 pairs	6035875

Vasco® OP Protect



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from natural rubber latex
- Lightly powdered
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.22 mm

Size	Sales unit	Ref. no.
6	50 pairs	6035000
6.5	50 pairs	6035019
7	50 pairs	6035027
7.5	50 pairs	6035035
8	50 pairs	6035043
8.5	50 pairs	6035051

Vasco® Surgical Powdered



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Made from natural rubber latex
- Powdered
- Average wall thickness at palm: 0.19 mm

Size	Sales unit	Ref. no.
6	50 pairs	6035500
6.5	50 pairs	6035518
7	50 pairs	6035526
7.5	50 pairs	6035534
8	50 pairs	6035542
8.5	50 pairs	6035559

Vasco® OP Free/ Vasco® Surgical Chloroprene

Surgical and Protective Gloves

Vasco® OP Free



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Made from synthetical polyisoprene
- Powder-free
- Latex-free inner polymer coating
- Average wall thickness at palm: 0.215 mm

Size	Sales unit	Ref. no.
5.5	40 pairs	9208291
6	40 pairs	9208305
6.5	40 pairs	9208313
7	40 pairs	9208321
7.5	40 pairs	9208330
8	40 pairs	9208348
8.5	40 pairs	9208356
9	40 pairs	9208364

Vasco® Surgical Chloroprene



Properties

- Surgical gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Latex-free inner polymer coating
- Powder-free
- Average wall thickness at palm: 0.19 mm

Size	Sales unit	Ref. no.
5.5	50 pairs	6035700
6	50 pairs	6035712
6.5	50 pairs	6035724
7	50 pairs	6035736
7.5	50 pairs	6035748
8	50 pairs	6035751
8.5	50 pairs	6035763
9	50 pairs	6035775

Vasco® Sensitive



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Latex-free inner coating
- Wall thickness at palm: min. 0.11 mm

Size	Sales unit	Ref. no.
XS	100	6067500
S	100	6067526
M	100	6067549
L	100	6067565
XL	90	6067590

Vasco® Basic



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Online chlorinated
- Wall thickness at palm: min. 0.08 mm

Size	Sales unit	Ref. no.
XS	100	6066608
S	100	6066616
M	100	6066624
L	100	6066632
XL	90	6066640

Vasco® Powdered



Properties

- Powdered examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Wall thickness at palm: min. 0.08 mm

Size	Sales unit	Ref. no.
S	100	6066526
M	100	6066542
L	100	6066569

Vasco® Nitril white / Vasco® Nitril long sterile

Examination and Protective Gloves

Vasco® Nitril white



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Online chlorinated
- Wall thickness at palm: min. 0.05 mm

Size	Sales unit	Ref. no.
XS	100	9207902
	150	9208402
S	100	9207910
	150	9208410
M	100	9207929
	150	9208429
L	100	9207937
	150	9208437
XL	90	9207945
	135	9208445

Vasco® Nitril long sterile



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Online chlorinated
- Glove length: 290 mm
- Wall thickness at palm: min. 0.08 mm
- Sterile, packed as pairs in a paper wallet and polyethylene peel pouch

Size	Sales unit	Ref. no.
XS	50 pairs	9205950
S	50 pairs	9205969
M	50 pairs	9205977
L	50 pairs	9205985
XL	50 pairs	9205993

Vasco® Nitril blue / Vasco® Nitril light

Examination and Protective Gloves

Vasco® Nitril blue



Properties

- powder-free examination gloves according MDD 93/42/EEC, EN 455
- protective gloves according PPE 89/686/EEC, EN 420, EN 374
- online chlorinated
- wall thickness at palm: min. 0.05 mm

Size	Sales unit	Ref. no.
XS	150	9209809
S	150	9209817
M	150	9209825
L	150	9209833
XL	135	9209841

Vasco® Nitril light



Properties

- powder-free examination gloves according MDD 93/42/EEC, EN 455
- protective gloves according PPE 89/686/EEC, EN 420, EN 374
- latex-free inner coating
- wall thickness at palm: min. 0.06 mm

Size	Sales unit	Ref. no.
XS	100	9207708
	150	9208801
S	100	9207716
	150	9208810
M	100	9207724
	150	9208828
L	100	9207732
	150	9208836
XL	90	9207740
	135	9208844

Vasco® Nitril long / Vasco® Nitril white semi-long

Examination and Protective Gloves

Vasco® Nitril long



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Online chlorinated
- Glove length: 290 mm
- Wall thickness at palm: min. 0.08 mm

Size	Sales unit	Ref. no.
XS	100	9205900
S	100	9205918
M	100	9205926
L	100	9205934
XL	100	9205942

Vasco® Nitril white semi-long



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Online chlorinated
- Glove length: 265 mm
- Wall thickness at palm: min. 0.06 mm

Size	Sales unit	Ref. no.
XS	150	9208500
S	150	9208518
M	150	9208526
L	150	9208534
XL	135	9208542

Vasco® Vinyl Powder-free



Properties

- Powder-free examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Latex-free inner coating
- Wall thickness at palm: min. 0.065 mm
- DOP-free

Size	Sales unit	Ref. no.
XS	100	6090610
S	100	6090630
M	100	6090650
L	100	6090670
XL	90	6090690

Vasco® Vinyl powdered



Properties

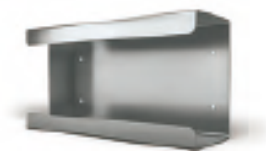
- Powdered examination gloves according MDD 93/42/EEC, EN 455
- Protective gloves according PPE 89/686/EEC, EN 420, EN 374
- Wall thickness at palm: min. 0.065 mm
- DOP-free

Size	Sales unit	Ref. no.
XS	100	6090510
S	100	6090117
M	100	6090133
L	100	6090150
XL	100	6090590

Glove Dispenser Bracket / TRIO & QUATRO Glove Dispenser Wall Bracket

Glove Dispenser Brackets

Glove Dispenser Bracket



Properties

- Wall bracket for glove dispenser-boxes made of stainless steel
- Internal dimension: S: 215 x 112 x 70 mm, L: 250 x 130 x 78 mm
- S – suitable for: Vasco® Nitril light, Vasco® Vinyl and Vasco® Powdered (100 pcs/pack)
- L – suitable for: Vasco® Nitril (150 pcs/pack), Vasco® Nitril white, Vasco® Nitril long, Vasco® Sensitive (100 pcs/pack)

Size	Sales unit	Ref. no.
S	1	9209503
L	1	9209511

TRIO Glove Dispenser Wall Bracket



Properties

- Wall bracket for glove dispenser-boxes made of stainless steel
- TRIO: maximum dimensions of the dispenser boxes: 250 x 130 x 90 mm (L x W x H) – suitable for: Vasco® Nitril (150 pcs/pack), Vasco® Sensitive and Vasco® Basic (100 pcs/pack)
- TRIO long: maximum dimensions of the dispenser boxes: 265 x 114 x 73 mm (L x W x H) – suitable for Vasco® Nitril long

Dimensions	Sales unit	Ref. no.
TRIO 258 x 392 x 95 mm	1	9000000953
TRIO long 270 x 350 x 80 mm	1	2607703602

QUATRO Glove Dispenser Wall Bracket



Properties

- Wall bracket for glove dispenser-boxes made of stainless steel
- QUATRO: maximum dimensions of the dispenser boxes: 250 x 130 x 90 mm (L x W x H) – suitable for: Vasco® Nitril (150 pcs/pack), Vasco® Sensitive and Vasco® Basic (100 pcs/pack)
- QUATRO long: maximum dimensions of the dispenser boxes: 265 x 114 x 73 mm (L x W x H) – suitable for Vasco® Nitril long

Dimensions	Sales unit	Ref. no.
QUATRO 258 x 392 x 95 mm	1	2607703600
QUATRO long 270 x 350 x 80 mm	1	2607703601

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Prontosan® – Wound irrigation solution



Properties

- Ready-to-use colorless solution for irrigation and wound bed preparation to remove coatings before further treatment is carried out
- Based on betaine surfactant and polyaminopropyl biguanide (polyhexanide): high tissue tolerance and biocompatibility of the product
- Sterile solution
- Can be used on colonized, critically colonised, and infected wounds
- Absorbs wound odors
- Can be warmed up to body temperature
- Can be used up to 8 weeks after opening

Advantages

- Helps prevent biofilm formation
- Prevents infection
- No further preparation required
- Easy and simple to use
- Reduces healing time
- Direct application from the practical squeeze bottle
- Well-known substances with low cytotoxic potential
- Can be used on sensitive or irritated skin
- No risk of further contamination of wounds
- Compatible with commonly used wound dressing
- Gentle dressing change

Description	Size	Sales Unit/ pcs.	Ref. no.
Cartridge bottle	40 ml	24	400484
Wound Spray	75 ml	1	400565
Squeezing bottle	350 ml	1	400403
Round bottle	1000 ml	1	400446

Prontosan® Wound Gel / Prontosan® Wound Gel X

Wound Cleansing and Wound Bed Preparation

Prontosan® Wound Gel / Prontosan® Wound Gel X



Properties

- Based on betaine surfactant and polyaminopropyl biguanide (polyhexanide): high tissue tolerance and biocompatibility of the product
- Sterile gel
- Can be used on colonized and critically colonised wounds to fill deep cavities
- Absorbs wound odors
- Can be used up to 8 weeks after opening

Prontosan® Wound Gel:

- Smaller, deep and tunneling wounds as well as for difficult to access wounds; for burn wounds I & II degree

Prontosan® Wound Gel X:

- Highly viscous, for large surface area wounds e.g. ulcerus cruris, decubitus, for all burn wounds, incl. III & IV degree

Advantages

- Removes and prevents biofilm formation
- Prevent infections
- No further preparation required
- Easy and simple to use
- Reduces healing time
- Well-known substances with low allergy potential
- Can be used on sensitive or irritated skin
- No risk of further contamination of wounds
- Compatible with commonly used wound dressing
- Gentle dressing change

Description	Size	Sales Unit/ pcs.	Ref. no.
Prontosan® Wound Gel	30 ml	1	400505
Prontosan® Wound Gel X	50 g	1	400517
Prontosan® Wound Gel X	250 g	1	400508

Askina® Gel – Hydrogels



Description

Askina® Gel is a crystal-clear, viscous, sterile hydrogel

Composition:

- Purified water
- Glycerol
- Gelling agent
- Acrylic Polymer
- Sorbitol

Indications

- Management of most types of ulcers, pressure sores and other low exuding, sloughy or dry necrotic wounds.
- Assistance in the debridement and removal of necrotic and other devitalized material from low exuding wounds

Advantages

- A special cannula
 - reaches deeper wounds, sinuses, fistulas and tunnels
- More hydration
 - typically donates 40 % of its water to the wound
- Crystal clear
 - provides a more accurate wound assessment
- Exceptional stability
 - remains in place after application

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Gel	15 g	5	001419S
Askina® Gel	15 g	10	001419N
Askina® Gel	100 g	1	0014291

Askina® Sorb



Description

Askina® Sorb is a sterile primary wound dressing made of fibers containing calcium alginate and carboxymethylcellulose (CMC).

Indications

Management of moderately to heavily exuding wounds such as pressure ulcers, venous and arterial leg ulcers, diabetic ulcers, donor sites, trauma wounds, dermal lesions, abrasions, 2nd degree burns, post-operative wounds

Advantages

- Comfortable and easy to apply
- High absorption capacity
- Forms soft gel which can be removed in one piece without residues
- Vertical absorption process
- No lateral strike through
- No maceration of wound edges
- Atraumatic, pain free dressing removal

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Sorb	6 cm x 6 cm	10	2115S
Askina® Sorb	10 cm x 10 cm	10	2116S
Askina® Sorb	15 cm x 15 cm	10	2102S
Askina® Sorb Flat robe	2,7 cm x 34 cm	3	2106S

Superabsorbent non-adhesive wound dressing

Askina® Absorb+



Description

Askina® Absorb+ is a highly absorbing dressing which can retain and lock large amounts of wound exudate and bacteria. It consists of an inner pad made of strong water-retaining polymeric fibers encased in a non-woven outer pouch. In contact with wound exudate the liquid is converted and retained as a soft and flexible gel, which helps to clean the wound and maintain a moist environment.

Indications

Moderately to heavily exuding wounds, such as:

- Pressure ulcers
- Venous and arterial leg ulcers
- Diabetic foot ulcers
- First and second degree burns
- Traumatic wounds
- Oncology wounds

Advantages

- High, long lasting absorption capacity
- High retention (no sponge effect)
 - Can be used with compression therapy
 - No maceration of the wound edges
- Gradual absorption without "Gel Lock"
- Remains soft and flexible even when saturated
- Low adherent wound contact surface
- No "dry spill" of superabsorbent material

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Absorb+	10 cm x 10 cm	10	3331010
Askina® Absorb+	10 cm x 20 cm	10	3331210
Askina® Absorb+	20 cm x 20 cm	5	3332005

Askina® Transorbent®



Indications

Management of partial to full thickness wounds, stage I-IV pressure ulcers, arterial and venous stasis leg ulcers.

Diabetic Foot Ulcers

Traumatic Wounds

Surgical Wounds

1st & 2nd degree burns

Advantages

- Superior absorption capacity
- Does not stick to the wound surface
- Cushioning effect due to the polyurethane foam
- No maceration or residue
- Can be cut to individually adapted sizes and shapes
- Helps prevent skin breakdowns

Description	Size	Sales Unit	Ref. no.
Askina® Transorbent®	5 cm x 7 cm	10	0072786R
Askina® Transorbent®	10 cm x 10 cm	5	0072789U
Askina® Transorbent®	15 cm x 15 cm	5	0072790V
Askina® Transorbent®	20 cm x 20 cm	5	0072791W

Askina® Transorbent® Border / Sacrum

Hydrocellulars

Askina® Transorbent® Border / Sacrum



The Transorbent® Border and Sacrum have the same dressing layers and advantages as Askina® Transorbent®. The adhesive polyurethane border reinforces the adhesivity for more security during wearing time.

Askina® Transorbent® Border

Specifically adapted for difficult-to-dress areas.

Askina® Transorbent® Sacrum

Triangular shape adapted for use on sacral area.



Askina® Transorbent® Border



Askina® Transorbent® Sacrum

Askina® Transorbent®	Sizes overall dressing / foam island	Pcs./ Pck.	Ref. no.
Border	9 cm x 14 cm 5 cm x 10 cm	5	0072705B
	9 cm x 14 cm 5 cm x 10 cm	10	0072706B
	14 cm x 14 cm 10 cm x 10 cm	5	0072710C
	17 cm x 17 cm 13 cm x 13 cm	5	0072715D
	24 cm x 24 cm 20 cm x 20 cm	5	0072720E
Sacrum	16 cm x 18 cm 12 cm x 14 cm	3	0072795Z
	18 cm x 20 cm 15 cm x 16.5 cm	5	0072792X
	18 cm x 20 cm 15 cm x 16.5 cm	10	0072799X

Askina® Foam



Description

Askina® Foam is a two layered, non-adherent foam dressing consisting of:

- A soft hydrophilic polyurethane foam layer which is breathable and has a high absorption capacity
- A thin, transparent and protective polyurethane film which is water impermeable and bacteria resistant

Indications

Management of moderate to heavily exuding, partial to full thickness wounds: stage I-IV pressure ulcers, venous and arterial leg ulcers, diabetic foot ulcers, first and second degree burns, traumatic wounds

Advantages

- Excellent fluid handling characteristics
- Enhances a moist wound environment
- Cost efficient: no need for frequent dressing changes
- No adherence to the wound
- Atraumatic, painless dressing changes
- Visual control of exudate absorption

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Foam	5 cm x 7 cm	10	7240710
Askina® Foam	10 cm x 10 cm	10	7241010
Askina® Foam	10 cm x 20 cm	10	7241210
Askina® Foam	20 cm x 20 cm	5	7242005

Askina® Foam Cavity



Description

Askina® Foam Cavity consists of a soft hydrophilic foam material, particularly indicated for:

- Deep cavity wounds
- High exudate levels

Advantages

- Superior fluid handling characteristics
- No adherence to the wound
- Atraumatic dressing change
- Shaped to fit many types of cavity wounds

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Foam Cavity	2.5 cm x 40 cm	10	7244010

Askina® Trachea



Description

- Made of the same soft hydrophylic foam material
- Its specific shape makes it suitable for use in tracheostomy sites
- Simple to apply

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Trachea	9.5 cm x 8.5 cm	10	7248510

Askina® Heel



Description

Askina® Heel is an anatomically shaped, two layered, non adherent foam dressing, which includes a securement foam strap and two self adhesive hooks that allow dressing to remain in place even during movement.

Indications

Management of moderately to heavily exuding, partial to full thickness wounds on the heel, such as stage I-IV pressure ulcers, diabetic foot ulcers, surgical incisions, first and second degree burns.

Advantages

- Ready-to-use concept, no fixation device needed
- Innovative anatomical design covering the malleolus
- Pressure relieving foam, helps prevent stage I ulcers
- Good protection against friction and shear stresses

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Heel	225 cm ²	5	7240105
Askina® Heel	225 cm ²	10	7240110

Askina® SilNet



Description

Askina® SilNet is made of a conformable non-woven material, coated on both sides with soft silicone. It is used as a wound contact layer, it conforms to the wound surface and adheres safely to the surrounding skin. The wound site is protected from mechanical disruption during dressing changes. The use of Askina® SilNet thus minimizes the trauma associated with dressing change.

Indications

- Cuts and abrasions
- Skin tears
- Traumatic wounds
- 1st and 2nd degree burns
- Fixation of skin grafts
- Donor sites
- Surgical wounds
- Lacerations

Advantages

- Non-adherent: protects fragile granulation tissue
- Atraumatic dressing change¹
- Soft and conformable
- Compatible with topical treatments
- Allows passage of exudate through the dressing
- Either side can face the wound
- Hypoallergenic

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® SilNet	5 cm x 7.5 cm	10	5195710
Askina® SilNet	10 cm x 7.5 cm	10	5197510
Askina® SilNet	10 cm x 18 cm	10	5191810
Askina® SilNet	20 cm x 30 cm	5	5192305

Askina® DresSil



Description

Askina® DresSil is a self adherent foam dressing with soft silicone adhesive on one side and a vapor permeable water-proof film on the other. It combines the absorption capacity of the foam with the soft adhesion of the silicone contact layer.

Indications

- Pressure ulcers
- Venous leg ulcers
- Arterial leg ulcers
- Diabetic foot ulcers
- Traumatic wounds
- Surgical wounds
- 1st and 2nd degree burns
- Donor sites
- Skin tears

Advantages

- Gentle and secure adherence
- Minimized trauma during dressing changes¹
- Significant absorption capacity
- Easy to use
- Good conformability on difficult-to-dress areas and skin contours
- Repositionable, can be cut to shape
- Improves patient comfort
- Hypoallergenic

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® DresSil	5 cm x 7 cm	3 /10	5295703 5295710
Askina® DresSil	10 cm x 10 cm	3 / 10	5291003 5291010
Askina® DresSil	15 cm x 15 cm	3 /10	5291503 5291510
Askina® DresSil	10 cm x 20 cm	3 / 10	5291203 5291210
Askina® DresSil	20 cm x 20 cm	5	5292005

Askina® DresSil Border



Description

Askina® DresSil Border has the same structure as Askina® DresSil, with an additional 1.5 cm large adhesive border, for more security during wear. It is specially adapted for difficult-to-dress or moving areas (knees, elbows, skin folds).

Indications

- Pressure ulcers
- Venous leg ulcers
- Arterial leg ulcers
- Diabetic foot ulcers
- Traumatic wounds
- Surgical wounds
- 1st and 2nd degree burns
- Donor sites
- Skin tears

Advantages

- Gentle and secure adherence
- Minimized trauma during dressing changes
- Significant absorption capacity
- Easy to use
- Good conformability on difficult-to-dress areas and skin contours
- Repositionable, can be cut to shape
- Improves patient comfort
- Hypoallergenic

Description	Size overall dressing foam island	Sales Unit/ pcs.	Ref. no.
Askina® DresSil Border	6 cm x 9 cm Ø 3 cm	10	5396610
Askina® DresSil Border	7.5 cm x 7.5 cm 4.5 cm x 4.5 cm	3 10	5397503 5397510
Askina® DresSil Border	10 cm x 20 cm 7 cm x 17 cm	10	5391210
Askina® DresSil Border	10 cm x 10 cm 7 cm x 7 cm	3 10	5391003 5391010
Askina® DresSil Border	15 cm x 15 cm 12 cm x 12 cm	3 10	5391503 5391510
Askina® DresSil Border	15 cm x 20 cm 12 cm x 17 cm	3 10	5395203 5395210
Askina® DresSil Border	20 cm x 20 cm 17 cm x 17 cm	5	5392005
Askina® DresSil Heel	22 cm x 21.6 cm	5	5592205
Askina® DresSil Sacrum	16 cm x 17.5 cm 13 cm x 14.5 cm	5	5491605
Askina® DresSil Sacrum	21 cm x 22 cm 18 cm x 19 cm	5 10	5492105 5492110

Askina® Hydro



Description

Askina® Hydro is a new generation of hydrocolloid dressing, with a particularly strong, long term absorption capacity and outstanding cohesive strength with less risk of leaving residue in the wound bed. It contains Psyllium Husk particles which reinforce the absorption capacity, bind wound bacteria and reduces malodor.

Indications

Management of moderately to highly exuding, partial to full thickness wounds, such as venous ulcers, arterial ulcers, pressure ulcers, donor sites, abrasions, 1st and 2nd degree burns.

Advantages

- Strong and long acting absorption capacity
- High cohesive strength of the gel
- Less dressing residue in the wound bed
- Low risk of dressing "melt down" and leakage
- Longer wear time

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Hydro	10 cm x 10 cm	10	F72041
Askina® Hydro	15 cm x 15 cm	5	F72045
Askina® Hydro	20 cm x 20 cm	5	F72047

Askina® Derm



Description

Askina® Derm is a sterile transparent film dressing, which maintains a moist wound environment conducive to natural healing, and prevents scab formation. It is semipermeable and suitable for the protection of newly formed skin.

Indications

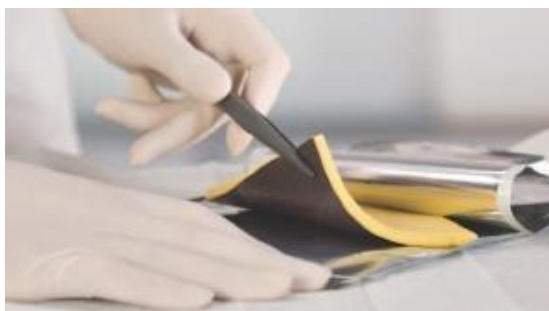
- Protection of non exuding wounds such as stage I pressure ulcers, donor sites, minor abrasions, first degree burns, surgical wounds, lacerations
- Protections against skin breakdown due to friction or continuous exposure to moisture
- Fixation for IV sites / CVC sites

Advantages

- Maintains a moist environment
- Innovative application systems: easy to apply
- High MVTR* film
- Low tack adhesive: non aggressive removal
- Impermeable to liquids and bacteria
- Transparent: allows visual inspection of the wound

Description	Size	Sales Unit/ pcs.	Ref. no.
Askina® Derm	6 cm x 7 cm	5	F72031
Askina® Derm	6 cm x 7 cm	10	F72032
Askina® Derm	6 cm x 7 cm	100	F72033
Askina® Derm	10 cm x 12 cm	5	F72034
Askina® Derm	10 cm x 12 cm	10	F72035
Askina® Derm	10 cm x 12 cm	50	F72036
Askina® Derm	10 cm x 20 cm	10	F72037
Askina® Derm	15 cm x 20 cm	10	F72038
Askina® Derm	30 cm x 20 cm	10	F72039

Askina® Calgitrol® Ag & Askina® Calgitrol® THIN



Description

Askina® Calgitrol® Ag is a technologically advanced wound dressing that incorporates the barrier effectiveness of ionic silver with the absorbency capabilities of calcium alginate and polyurethane foam. *Askina® Calgitrol® THIN* is a thin layer of silver alginate matrix. Soft and conformable, it is well adapted for deep and difficult-to-dress wounds. It should be used with absorptive secondary dressing, like Askina® Foam.

Indications

Askina® Calgitrol® Ag wound dressings are recommended for the management of infected or critically colonized, moderately to heavily exuding wounds, partial to full thickness wounds, such as stage I-IV pressure ulcers, diabetic foot ulcers, venous ulcers, second degree burns or donor sites.

Advantages

- Silver is in ionic state, readily available for wound treatment
- Sustained antimicrobial effectiveness for up to 7 days
- Excellent exudate management capability
- Provides a moist wound environment conducive to natural healing
- Does not require the use of sterile distilled water to oxidize the metallic silver to the ionic state
- Easy application and removal, with no need for a secondary absorbent dressing
- Non staining
- Reduces the risk of periwound maceration
- Longer wear time for fewer dressing changes

Descriptions	Size	Sales Unit/ pcs.	Ref. no.
Askina® Calgitrol® Ag	10 cm x 10 cm	3	6211003
Askina® Calgitrol® Ag	10 cm x 10 cm	10	6211010
Askina® Calgitrol® Ag	15 cm x 15 cm	10	6211510
Askina® Calgitrol® Ag	20 cm x 20 cm	10	6212010
Askina® Calgitrol® THIN	5 cm x 5 cm	10	6205510
Askina® Calgitrol® THIN	10 cm x 10 cm	10	6201010
Askina® Calgitrol® THIN	10 cm x 20 cm	10	6202110
Askina® Calgitrol® THIN	20 cm x 20 cm	10	6202010
Askina® Calgitrol® THIN	20 cm x 40 cm	3	6202403
Askina® Calgitrol® THIN	30 cm x 30 cm	3	6203003
Askina® Calgitrol® THIN	40 cm x 40 cm	3	6204003

Askina® Calgitrol® Paste



Description

Askina® Calgitrol® Paste is a highly conformable paste composed of the same ionic silver alginate matrix used in the Askina® Calgitrol® Ag flat dressings. The high conformability allows more intimate contact between the active ionic silver alginate matrix and the wound bed, which is particularly valuable in difficult to manage wounds such as tunnels and sinuses, seen in patients with second degree burns and diabetic foot ulcers.

Indications

Management of exuding partial to full thickness wounds

- Stage I – IV pressure ulcers
- Venous and arterial ulcers
- Neuropathic ulcers
- Second degree burns

May be used on infected wounds or critically colonized, moderately heavily exuding wounds under medical supervision.

Advantages

- Highly conformable paste for intimate contact with the wound bed
- 100% ionic silver, active against a broad spectrum of microorganisms, including MRSA
- No activation needed
- Sustained controlled delivery for long lasting antibacterial protection
- Maintains a moist wound environment
- Easy to remove by simple rinsing
- Non staining
- Can be stored and used within 7 days if the lid/cap is replaced after use

Descriptions	Size	Sales Unit/ pcs.	Ref. no.
Askina® Calgitrol® Paste	15 g tube	5	6241505
Askina® Calgitrol® Paste	15 g tube	10	6241510
Askina® Calgitrol® Paste	100 g tube	1	6241001
Askina® Calgitrol® Paste	250g jar	1	6242501
Askina® Calgitrol® Paste	500 g jar	1	6245001

Askina® Barrier Film – Long lasting protection for peristomal skin



Description

Askina® Barrier Film is a rapid drying, transparent, breathable skin barrier used for the protection of intact or damaged skin from urine, feces, tape trauma and friction. It is completely sting free.

Indications

- Prevention against skin breakdown caused by friction or moisture
- Protection of the skin at risk from maceration and excoriation
- Protection of newly formed skin against secondary breakdown

Advantages

- Easy, economic and safe
- Completely sting free, can be used on damaged skin
- Rapid drying < 30 s
- Transparent: allows visual control
- Cost effective: offers 3 days protection
- Easy to remove
- Does not interfere with the adhesivity of stoma appliances

Descriptions	Size	Sales Unit/ pcs.	Ref. no.
Askina® Barrier Film	28 ml	1	4002801
Askina® Barrier Film	28 ml	12	4002812

Askina® Barrier Cream – Protectant and moisture barrier



Description

Askina® Barrier Cream acts as a lasting protective barrier on skin of incontinent patients, exposed to the irritating effect of urine and stools. It efficiently moisturizes very dry skin and can also be used for skin protection whenever there is a risk of skin breakdown due to prolonged contact with body fluids.

Indications

For use on intact skin.

Askina® Barrier Cream acts as protectant and moisture barrier:

- against maceration caused by incontinence or body fluids
- to protect sensitive, fragile and severely dry skin, including per wound areas

Advantages

- Effective prevention of skin breakdown associated with incontinence
- Highly concentrated: small amounts will cover a large surface
- Does not reduce the absorbency of incontinent pads
- Does not reduce the adherence of fixation tapes and dressings
- Temporarily resists wash-off; no need for frequent application

Descriptions	Size	Sales Unit/ pcs.	Ref. no.
Askina® Barrier Cream	92 g	1	4119201

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Omnitest® plus Set



- Blood glucose meter including battery
- Check strip
- 10 test strips
- Lancing device
- 10 lancets

- Ref. no. 9152652G

Omnitest® plus Solo



- Blood glucose meter including battery
- Check strip

- Ref. no. 9152601G

Specifications

- Sample volume: 1 μ l
- Measuring time: 5 seconds
- Measuring range: 10 ~ 600 mg/dL or
0,6 ~ 33,3 mmol/L
- Temperature range: 10°C ~ 40°C or 50°F ~ 104°F
- Humidity: 10 ~ 90 %
- Hematocrit: 30 to 55 %
- Calibration: Plasma equivalent
- Memory: 250 measurements
- Alarm functions: 5 alarms
- Dimensions: 7.9 x 5.1 x 1.8 cm
- Weight: 41 g (including battery)
- Battery: 1 x 3V Li CR2032 for ~ 3000 measurements
- Data transfer: to a PC, DIABASS® software and PC-cable is required

Omnitest® plus test strips



- 2 x 25 test strips in flip-top vials
- Ref. no. 9152709G

Omnitest® plus Control



- Solution for the functional check packaging with 3.5 ml Control M and Control H each
- Ref. no. 9152768G

Omnitest® 3 Solo – Blood glucose monitor

- mmol/L ref. no. 9332601MM_*
- mg/dL ref. no. 9332601MG_*



Content	Quantity in pcs.
Omnitest® 3 meter	1
Pouch	1
Batteries	2
Check strip	1
Instructions for use meter, short instruction	1
Guarantee card	country specific

Omnitest® 3 Set – Blood glucose monitor set

- mmol/L ref. no. 9332652MM_*
- mg/dL ref. no. 9332652MG_*



Content	Quantity in pcs.
Omnitest® 3 meter	1
Pouch	1
Batteries	2
Check strip	1
Omnitest® 3 test strips	10
Omnilance lancing device	1
Omnican® Lance soft lancets	10
Instructions for use meter, short instruction	1
Instructions for use test strips	1
Guarantee card	country specific

* The ref.no. of the shown Omnitest® 3 products has to be completed with the relevant country code.

Omnitest® 3 test strips



- 2 x 25 test strips in flip-top vials
- 6 months shelf-life after first opening
- Ref. no. 9332709WE

Omnitest® 3 Control



- Solution for the functional check at medium and high glucose level, packaging with 3.5 ml Control M and Control H each
- Ref. no. 9332768G

PC interface cable USB



- For connection of Omnitest® 3 with any USB port
- For data download and analysis a link to the Online Diary Omnitest® Center or DIABASS® software (mediaspects GmbH) is required.
- Ref. no. 9152856G

Omnilance



- Lancing device with adjustable puncture depth and lancet ejector
- Ref. no. 9167609

Omnican® Lance soft



- Lancets for a smooth puncture
- Ref. no. 9167510E / 30 G / 0.30 mm / 200 pcs.
- Ref. no. 9167536E / 28 G / 0.36 mm / 200 pcs.

Omnican® - Insulin Syringes for U-40 Insulin



- Insulin syringes with integrated needle
- Latex-free
- With plunger stop to prevent the plunger from sliding out of the barrel
- High barrel transparency with a large easy-to-read scale
- 3-bevelled needle tip
- Small needle \varnothing of 0.30 mm / G30 and needle lengths of 8 and 12 mm
- With two protective endcaps to ensure the sterility of the syringes

Article	Size x Length	Volume	Scale graduation	Sales Unit/ pcs.	Ref. no.
Omnican® 20	0.30 x 8 mm	0.5 ml / 20 I.U.	0.5 I.U.	10 x 10 in poly bags	9161619
Omnican® 20	0.30 x 8 mm	0.5 ml / 20 I.U.	0.5 I.U.	100 x 1 single packed	9161619S
Omnican® 40	0.30 x 8 mm	1.0 ml / 40 I.U.	1 I.U.	10 x 10 in poly bags	9161635
Omnican® 40	0.30 x 8 mm	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9161635S
Omnican® 40	0.30 x 12 mm	1.0 ml / 40 I.U.	1 I.U.	10 x 10 in poly bags	9161627
Omnican® 40	0.30 x 12 mm	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9161627S

Omnican® - Insulin Syringes for U-100 Insulin



- Insulin syringes with integrated needle
- Latex-free
- With plunger stop to prevent the plunger from sliding out of the barrel
- High barrel transparency with a large easy-to-read scale
- 3-bevelled needle tip
- Small needle \varnothing of 0.30 mm / G30 and needle lengths of 8 and 12 mm
- With two protective endcaps to ensure the sterility of the syringes

Article	Size x Length	Volume	Scale graduation	Sales Unit/ pcs.	Ref. no.
Omnican® 50	0.30 x 8 mm	0.5 ml / 50 I.U.	1 I.U.	10 x 10 in poly bags	9151117
Omnican® 50	0.30 x 8 mm	0.5 ml / 50 I.U.	1 I.U.	100 x 1 single packed	9151117S
Omnican® 50	0.30 x 12 mm	0.5 ml / 50 I.U.	1 I.U.	10 x 10 in poly bags	9151125
Omnican® 50	0.30 x 12 mm	0.5 ml / 50 I.U.	1 I.U.	100 x 1 single packed	9151125S
Omnican® 100	0.30 x 8 mm	1.0 ml / 100 I.U.	2 I.U.	10 x 10 in poly bags	9151133
Omnican® 100	0.30 x 8 mm	1.0 ml / 100 I.U.	2 I.U.	100 x 1 single packed	9151133S
Omnican® 100	0.30 x 12 mm	1.0 ml / 100 I.U.	2 I.U.	10 x 10 in poly bags	9151141
Omnican® 100	0.30 x 12 mm	1.0 ml / 100 I.U.	2 I.U.	100 x 1 single packed	9151141S

Omnifix® Insulin Syringes for U-40 Insulin



- 3-piece syringe
- Centric Luer-connection
- Safer piston stop prevents the loss of medicine
- The crystal clear barrel of the syringe makes sure that air bubbles are easily to be identified
- Latex-free plunger

Article	Size x Length	Volume	Scale graduation	Sales Unit/ pcs.	Ref. no.
Omnifix® 40 Solo	without cannula	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9161309V
Omnifix® 40 Duo with enclosed cannula	0.45 x 12 mm	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9161333V

Omnifix® Insulin Syringes for U-100 Insulin



- 3-piece syringe
- Centric Luer-connection
- Safer piston stop prevents the loss of medicine
- The crystal clear barrel of the syringe makes sure that air bubbles are easily to be identified
- Latex-free plunger

Article	Size x Length	Volume	Scale graduation	Sales Unit/ pcs.	Ref. no.
Omnifix® 100 Solo	without cannula	1.0 ml / 100 I.U.	2 I.U.	100 x 1 single packed	9161708V
Omnifix® 100 Duo with enclosed cannula	0.45 x 12 mm	1.0 ml / 100 I.U.	2 I.U.	100 x 1 single packed	9161376V

Injekt® – 2 Piece Insulin Syringe



- Centric Luer-connection
- Dead space reducing pin
- Safer piston stop prevents the loss of medicine
- The crystal clear barrel of the syringe makes sure that air bubbles are easily to be identified
- Latex-free plunger

Article	Size x Length	Volume	Scale graduation	Sales Unit/ pcs.	Ref. no.
Injekt® 40 Solo	without cannula	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9166408V
Injekt® 40 Duo with enclosed cannula	0.45 x 12 mm	1.0 ml / 40 I.U.	1 I.U.	100 x 1 single packed	9166432V

Solofix® Safety – Effective protection against needlestick injuries in capillary blood collection



- Sterile single-use safety lancet for capillary blood collection
- Automatic puncture and needle retraction mechanism
- Available in 3 color-coded sizes
- Tri-bevel tip needle (25G and 21G)
- 0.8 mm blade for neonate screening

User Benefits




- Easy handling
- High patient comfort
- Preventing needlestick injuries

Article	Size	Puncture depth	Blood sample	Sales Unit/ pcs.	Ref. no.
■ Solofix® Safety Fine	25G	1.5 mm	< 10 µl	200	6183010
■ Solofix® Safety Universal	21G	1.8 mm	10 – 30 µl	200	6183000
■ Solofix® Safety Neonate	0.8 mm blade	2.0 mm	70 – 100 µl	200	6183020

Medibox® – Medical sharps collector



- Sharps and needle collector with integrated closure cap
- Free-standing, ergonomic design
- Easy to grasp with one hand
- Safe and easy to operate final lock mechanism
- Extra thick container walls
- Closing mechanism that cannot be bypassed
- Disposal of all commonly used needles
- Simple, touchless twist-off and insertion inlets for all kinds of used needles and cannulae
- Overfill warning by maximum fill line and visible content level
- Disposal instructions and warnings by self-explanatory icons and pictograms
- Complies with international standards

	Article	Description	Volume	Sales Unit/ pcs.	Ref. no.
	Medibox® 0.7 L	medical sharps collector	0.7 L	10	9193405
	Medibox® 3 L	medical waste container	3 L	10	9193413
	Medibox® 5 L	medical waste container	5 L	10	9193421

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Actreen® Hi-Lite Cath / Actreen® Hi-Lite Set – Catheter and sets for intermittent urinary catheterization



The Hi-Lite range is designed with the common features below:

- Safe catheter material, PVC-free, DEHP-free
 - Non-traumatic eyes for smooth bladder drainage
 - Pre-lubricated with hydrophilic lubricant, ready-to-use catheter, no need for water
 - Opening design for good and reduced dexterity
 - Safe handling with two „No touch“ options
 - Foldable catheter for more discretion
- Comes as single catheter → **Hi-Lite Cath** or with a pre-attached bag → **Hi-Lite Set**

Actreen® Hi-Lite Cath

Size		CH08	CH10	CH12	CH14	CH16	
Ø in mm	Tiemann 45 cm	2,7	3,3	4,0	4,7	5,3	
Ref.no.		228108	228110	228112	228114	228116	
Size		CH08	CH10	CH12	CH14	CH16	
Ø in mm	Nelaton 45 cm	2,7	3,3	4,0	4,7	5,3	
Ref.no.		228208	228210	228212	228214	228216	
Size		CH06	CH08	CH10	CH12	CH14	CH16
Ø in mm	Nelaton 20 cm	2,0	2,7	3,3	4,0	4,7	5,3
Ref.no.		228306	228308	228310	228312	228314	238316
Sales Unit	Box of 30 units + 1 discreet pouch						

Actreen® Hi-Lite Set

Size		CH08	CH10	CH12	CH14	CH16	CH18
Ø in mm	Tiemann 37 cm	2,7	3,3	4,0	4,7	5,3	6,0
Ref.no.		242108	242110	242112	242114	242116	242118
Size		CH08	CH10	CH12	CH14	CH16	CH18
Ø in mm	Nelaton 20 cm	2,7	3,3	4,0	4,7	5,3	6,0
Ref.no.		242208	242210	242212	242214	242216	242218
Sales Unit	Box of 30 units + 1 discreet pouch						

Actreen® Mini Cath / Actreen® Mini Set – Mini catheters and sets for female urinary catheterization



The Mini catheters are designed with the same concept as the other Actreen products.

- Pre-lubricated with hydrophilic lubricant, ready-to-use catheter, no water needed
- Safe catheter material, PVC-free, DEHP-free
- Non traumatic eyes highly positioned for effective bladder drainage
- Straight forward to use
- Easy to carry thanks to their low profile and lightweight
- Comes as single catheter → **Actreen® Mini Cath** or with a pre-attached bag → **Actreen® Mini Set**

Actreen® Mini Cath (9 cm catheter)

Size	CH10	CH12	CH14
Ø in mm	3,3	4,0	4,7
Ref.no.	228010A	228012A	228014A
Sales Unit	Box of 30 units + 1 discreet pouch		

Actreen® Mini Set (9 cm catheter)

Size	CH10	CH12	CH14
Ø in mm	3,3	4,0	4,7
Ref.no.	239010	239012	239014
Sales Unit	Box of 30 units + 1 discreet pouch		

Actreen® SafeSet – Catheter set for urine analysis



Advantages

for Patients:

- Less risk of contracting a UTI
- Increased patient comfort during catheter insertion and withdrawal thanks to its pre-lubricated catheter

for Care personnel:

- Lower risk of injury thanks to needle-free urine sampling procedure
- Time saving thanks to the all-in-one concept
- No splash, easy to handle and discard

for Hygienists:

- Reliable partner for reduction of nosocomial infections (30 %) (1, 2, 3)

for Pharmacists / Purchasers:

- Optimization and rationalization of number of refs, orders and stock management
- Simplified urinary catheterization procedure (one product for all situations) and reduced waste. (4)

User benefits

- Guaranteed aseptic conditions
- Reduction of handling and preparation steps
- Reduction of germ transmission risk
- Reduction of nosocomial urinary infection risk
- The concept has been proven as less expensive than standard catheterization procedures in hospital. (4)

Features

Drainable pouch:

- Graduated bag with 1.5 l capacity
- Easy pouch emptying thanks to its pre-cut and gripping eyelets

Anti-reflux valve:

- No urine backflow from the pouch to the bladder

Integrated sample port:

- Needle-free access

Pre-lubricated catheter:

- The catheter is ready to use thanks to its hydrophilic lubricant for an increased patient comfort during insertion and withdrawal
- No risk of interference of catheter lubricant with urinalysis

Guaranteed sterility:

- „NO TOUCH” system thanks to its protective sheet that minimizes the risk of catheter contamination during handling
- STERILE DOUBLE UNIT PACKAGING for safe handling in operating theatre

Universal solution:

- The 90 cm total set length allows to place the bag in a very low position and thus to enhance bladder drainage
- Charrières available from CH10 to CH18

CH	Sales Unit	Ref. no.
Transurethral balloon catheter includes:		
10	50	234210
12	50	234212
14	50	234214
16	50	234216
18	50	234218

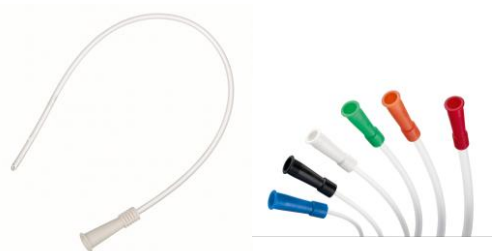
(1) SFHH Recommendations (French Hospital Hygienists society) ,Surveiller et prévenir les infections associées aux soins, septembre 2012'

(2) ANAES, (National Agency for health evaluation Et accreditation) ,Qualité de la pose et de la surveillance des sondes urinaires, décembre 1999'

(3) AFU (French Urology Association) Consensus du 27 novembre 2002

(4) Poster SFHH 2010, A. Hautemanière, P. Hartemann

Urological Catheters – Single-use, dry catheters for intermittent urinary catheterization



User benefits

- Medical PVC material – Latex-free
- Transparent PVC – allowing urine visibility
- Wide range composed of Nelaton and Tiemann tips and 2 sizes for male (40 cm) and female (18 cm)
- Individually packaged – sterile
- Color coded Charrière enabling immediate size identification

	Catheter length (cm)	CH	Ø (mm)	Sales Unit	Ref. no.
Tiemann Catheter					
	40	08	2,7	100	4500200
		10	3,3	100	4500201
		12	4,0	100	4500202
		14	4,7	100	4500203
		16	5,3	100	4500204
		18	6,0	100	4500205
		20	6,6	100	4500206
Nelaton Catheter					
	40	08	2,7	100	4500207
		10	3,3	100	4500208
		12	4,0	100	4500209
		14	4,7	100	4500210
		16	5,3	100	4500211
		18	6,0	100	4500212
		20	6,6	100	4500213
Female Catheter					
	18	08	2,7	100	4500214
		10	3,3	100	4500215
		12	4,0	100	4500216
		14	4,7	100	4500217
		16	5,3	100	4500218
		18	6,0	100	4500219

Cystofix® – Suprapubic percutaneous bladder drainage catheter



User benefits

Puncture Sets:

- Ready to use setting: pre-assembled catheter placed into cannula, to reduce risks of sharp injury and save time
- Thin and sharp stainless steel cannula
 - 3-wings handling grip for easy prehension
- Wide range of catheter designs and sizes
 - Silicone catheters with integrated balloon for an easy replacement
 - Polyurethane pigtail catheters

Replacement Sets:

- Integrated balloon silicone catheters to facilitate replacement
- Wide choice of sizes and sets to adapt to the patient's situation

Catheter design	Catheter material	Catheter length	Catheter ø	CH	Catheter length	Sales Unit	Ref. no.
Puncture Sets with balloon for all use. New range Cystofix® ready-to-use. Each set contains: one split sheath cannula, protection tube, catheter pre-inserted into the cannula, stopper.							
Integral balloon straight tip Ready-To-Use	Silicone	12 cm	5,4 mm	12	44 cm	10	4450200
		12 cm	5,4 mm	14	44 cm	10	4450220
Balloon & J tip (classical balloon) Ready-To-Use	Silicone	12 cm	5,4 mm	12	53 cm	10	4450210
Puncture Sets with pigtail catheter for short term use. 7 eyes. New range Cystofix® ready-to-use. Each set contains: one split sheath cannula, protection tube, catheter pre-inserted into the cannula, sliding clamp, urine bag acc. to model.							
Complete set with 2 l urine bag Ready-To-Use	Polyurethane	8 cm	3,4 mm	10	65 cm	10	4450150
		12 cm	3,4 mm	10	65 cm	10	4450160
		12 cm	5,4 mm	15	65 cm	10	4450170
Eco set (no bag) Ready-To-Use	Polyurethane	8 cm	3,4 mm	10	65 cm	10	4450100
		12 cm	3,4 mm	10	65 cm	10	4450120
		12 cm	5,4 mm	15	65 cm	10	4450130
Puncture Sets with pigtail catheter paediatric and neonates. Each set contains: one split sheath cannula, protection tube, catheter: Paediatric set + urine bag & sliding clamp, Minipaed set + soft mandril & connectors.							
Paediatric complete set with 2 l urine bag Ready-To-Use	Polyurethane	5 cm	3,4 mm	10	50 cm	10	4450180
Minipaed set	Polyurethane	5 cm	2,2 mm	5	50 cm	10	4441036
Puncture Sets with pigtail catheter for pre and post operative use. 28 eyelets. Each set contains: one split sheath cannula, protection tube, catheter sliding clamp.							
TUR set	Polyurethane	12 cm	5,4 mm	15	65 cm	10	4441354

Set design	Catheter design	Catheter material	Catheter length	CH	Sales Unit	Ref. no.
Exchange Set with integral balloon catheter						
Dilation and replacement with guidewire and dilator	Balloon straight tip	Silicone	44 mm	12	5	4450512
				14	5	4450514
				16	5	4450516
Replacement with guidewire	Balloon straight tip	Silicone	44 mm	10	5	4450010
				12	5	4450012
				14	5	4450014
Replacement without guidewire	Balloon straight tip	Silicone	44 mm	16	5	4450016
				12	5	4450712
				14	5	4450714
				16	5	4450716
				18	5	4450718
Replacement single pack	Balloon straight tip	Silicone	44 mm	20	5	4450720
				12	1	4450812
				14	1	4450814
				16	1	4450816
				18	1	4450818
				20	1	4450820

Nephrofix® and Nephrofix® Certo

Nephrofix® - Set with a two-piece mobile guide-wire to stabilize the catheter

Nephrofix® Certo - Set with a one-piece rigid 300 mm shaft and flexible J-tip guide-wire Linderquist type




Main catheters features:


Curled tip catheter

- Made of polyurethane for the balloonless pigtail catheters
- Radiopaque, good flexibility and high tissue tolerance
- Low risk of incrustation
- Coloured calibration marks give precise information for the catheter insertion length
- Curled tip – large catheter openings for reliable long term drainage

Balloon catheters

- Made of silicone and straight tip
- Drainage eyes on both sides of the balloon
- Optimal anchorage of the catheter in the kidney controllable and directional puncture of the renal pelvis under sonography
- Atraumatic metallic cannula with facet-bevel and stainless steel mandrin
- Easy location under sonography

Nephrofix®	Product description	CH	Catheter length mm	Dilator	Guide-wire mm	Sales Unit	Ref. no.
	Set for percutaneous nephrostomy includes:						
	- Three-piece puncture needle 1,5 x 220 mm	8	400	1	0.9 x 900	5	4435087
	- Guide-wire 0,9 x 900 mm with moveable core	11	400	2	0.9 x 900	5	4435117
	- Certon® catheter made of PUR	14	400	3	0.9 x 900	5	4435141
	- Dilators						
	- Peel-away plastic sheath						
	- Ruler						
	- Cutfix® scalpel						
	- Omnifix® lock syringe, 10ml						

Nephrofix® Certo	Product description	CH	Catheter length mm	Dilator	Guide-wire mm	Sales Unit	Ref. no.
	Set for percutaneous nephrostomy includes:						
	- Three-piece puncture needle 1,3 x 220 mm	8	400	1	0.8 x 900	5	4435583
	- Certoguide® J3 guide-wire (Lunderquist guide-wire)	11	400	2	0.8 x 900	5	4435613
	- Certon® catheter made of PUR	14	400	3	0.8 x 900	5	4435648
	- Dilators						
	- Peel-away plastic sheath						
	- Ruler						
	- Cutfix® scalpel						
	- Omnifix® lock syringe, 10 ml						

Set for percutaneous nephrostomy with balloon catheter includes:

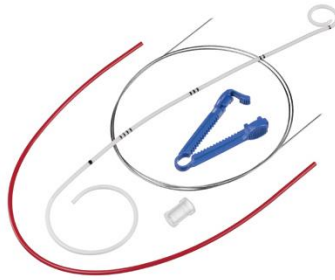
- Set as above including a balloon catheter instead of the Certon® catheter, capacity 5 ml	12	400	3	0.8 x 900	5	4435745
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Replacement sets	Product description	CH	Catheter length mm	Dilator	Guide-wire mm	Sales Unit	Ref. no.
Replacement sets (Nephrofix® & Nephrofix® Certo) for percutaneous nephrostomy includes:							
	- Guide-wire	8	400	1	0.9 x 900	5	4436083
	- Certon® catheter	11	400	1	0.9 x 900	5	4436113
	- Dilators						
	- Peel-away plastic sheath						
	- 1 Certoguide® J3 0.9 x 900 mm lunderquist	12	400	1	0.9 x 900	5	4436741
	- Silicone balloon catheter CH 12						
	- Dilators						
	- Peel away plastic sheath						

Urecath® – Double J Catheter for Ureter catheterization

Urecath® Sets – specific points

- Separate introducer or push catheter
- Clamp and closing cap
- Patient catheter card



Ureteral stents and catheters for:

- Stone therapy for visualization and ureteral instrumentation
- To relieve benign or malignant obstruction
- To maintain the luminal caliber in ureteric compression
- For the upper urinary tract drainage due to trauma and surgery
- For drainage alignments elements or ureter(s) identification

Product description	CH	Catheter length mm	Tip shape	openings	Guide-wire mm	Sales Unit	Ref. no.
Urecath® Sets for Retrograde catheterization with Tiemann tip:							
	6	200				10	4431057
	6	250				10	4431073
Standard Applicaton	6	275				10	4431081
- Certon® catheter in PUR	6	300				10	4431090
- Guide-wire 1.1 x 900 mm							
- Dilators	7,5	200	Tiemann	Open on bladder side	1.1 x 900	10	4431103
- Clamp for fixation	7,5	250				10	4431111
- Closing cap	7,5	275				10	4431120
- Patient card	7,5	300				10	4431138
	9	250				10	4431316
Urecath® Sets for Retrograde catheterization with Tiemann tip:							
- Product description like standard application	5	200				10	4430921
- External shock wave Lithotripsy (Eswl) and paediatrics	5	250				10	4430930
	5	275	Tiemann	Open on bladder side	0.6 x 900	10	4430948
- With thread for removal	5	300				10	4430956
Urecath® Sets for Retrograde catheterization with rounded tip:							
- Certon® catheter in PUR	7.5	200				10	4431200
- Guide-wire 1.1 x 900 mm							
- Dilators	7.5	250	Tiemann	Open on bladder side	1.1 x 900	10	4431219
- Clamp for fixation							
- Closing cap	7.5	275				10	4431227
- Patient card							
Urecath® Sets for Antegrade catheterization with rounded tip:							
- Certon® catheter in PUR	7.5	200				10	4431600
- Guide-wire 1.1 x 900 mm							
- Dilators	7.5	250	Tiemann	Closed on bladder side	1.1 x 900	10	4431618
- Clamp for fixation							
- Closing cap	7.5	275				10	4431626
- Patient card							
Urecath® Sets for Retrograde Ureteric Stenting according to the Seldinger technique:							
- Certon® catheter in PUR	6	250				10	4437497
- Guide-wire 0.9 x 1500 mm J3 and straight teflon coated stainless steel	6	275				10	4437500
- Dilators	7,5	250	Tiemann	Open tips on both sides	0.9 x 1500	10	4437535
- Clamp for fixation							
- Closing cap	7,5	275				10	4437543
- Patient card							

Product description	CH	Catheter length mm	Tip shape	openings	Guide-wire mm	Sales Unit	Ref. no.
Urecath® Sets for kidney drainage and reconstruction:							
	6	700	Tiemann		1.1 x 900	10	4432002
	7,5	700			1.1 x 900	10	4432010
- Certon® catheter in PUR	9	700			1.1 x 900	10	4432029
- Guide-wire 1.1 x 900 mm (0.6 x 900 mm for CH4)	4	700	Opened		0.6 x 900	10	4432690
- Clamp	6	700			1.1 x 900	10	4432703
- Closing cap	7	700			1.1 x 900	10	4432800
- Patient card	8	700			1.1 x 900	10	4432711

Urimed® Vision – Self-adhering silicon male external catheter (MEC)

Comfortable, secure and gentle to the skin

Urimed® Vision MEC are made of 100% silicone, the material with the highest water vapour permeability, compared to latex and elastomer*.

Advantages:



- Soft, breathable silicone, respects healthy skin and ensures greater patient comfort
- Built-in adhesive band allows the ease of application, improved patient confidence and long wearing time
- A kink-proof silicone funnel helps to ensure uninterrupted urine flow
- Transparency for complete monitoring of the skin
- Allows the practice of urinary catheterization through the MEC (Male External Catheter)
- Urimed® Vision fits all major types of collection bags

Urimed® Vision Standard



Description	Ø 25 mm	Ø 29 mm	Ø 32 mm	Ø 36 mm	Ø 41 mm
Ref.no.	IH2525	IH2529	IH2532	IH2536	IH2541
Sales Unit	Box of 30 units				

Urimed® Vision Ultra – 7,5 cm length with full adhesive area



Description	Ø 25 mm	Ø 29 mm	Ø 32 mm	Ø 36 mm	Ø 41 mm
Ref.no.	IH3525	IH3529	IH3532	IH3536	IH3541
Sales Unit	Box of 30 units				

Urimed® Vision Short – 4,5 cm length with full adhesive area



Description	Ø 25 mm	Ø 29 mm	Ø 32 mm	Ø 36 mm	Ø 41 mm
Ref.no.	IH4525	IH4529	IH4532	IH4536	IH4541
Sales Unit	Box of 30 units				

* Internal method according to the NF ISO 2528 standard

Urimed® Cath – 100% Silicone Balloon Catheter



Urimed® Cath Foley Nelaton





Urimed® Cath Foley Tiemann

User benefits

Silicone catheters are hypoallergenic and therefore preferable for long-term settings:

- Less tissue irritation
- Reduced risk of encrustation in long-term catheterized patients
- Less traumatic catheterization and less risk of blockage compared to latex thanks to thinner walls and larger lumen, for the same charrière size
- Visible on X-Rays

	CH	Balloon capacity (ml)	Sales Unit	Ref. no.
Urimed® Cath Foley Nelaton				
	12	10	10	4563250
	14	10	10	4563251
	16	10	10	4563252
	18	10	10	4563253
	20	10	10	4563254
	22	10	10	4563255
	24	10	10	4563256
Urimed® Cath Foley Tiemann				
	12	10	10	4563257
	14	10	10	4563258
	16	10	10	4563259
	18	10	10	4563260
	10	10	10	4563261

Uro-Tainer® – Catheter irrigation solutions

User benefits

Uro-Tainer® technology:

- Patients with indwelling urinary catheters are at high risk of developing complications such as infection and encrustation
- There is a strong rationale for on-going catheter maintenance to prevent complications and maximize the life of the catheter together with patient comfort and quality of life
- For over 25 years to the Uro-Tainer® technology and solutions have been used in clinical practice to manage encrustation and debris formation
- PVC-free



Prevention & removal of blockage

Twin

- **Suby G:**
Indication: A mildly hypotonic fluid that is less irritating as a result of the addition of magnesium. This fluid is specially designed to prevent phosphate crystallization and dissolve existing calcification in indwelling catheters.
- **Solutio R:**
Indication: A mildly hypotonic fluid that is specifically designed for catheters with stubborn calcification where Suby G does not provide a sufficient result. This is due to its higher concentration of acetic acid and gluconolactone. In addition, this fluid minimizes trauma when removing an indwelling catheter.



Bacterial decolonization

Uro-Tainer® PHMB

- Indication: Uro-Tainer® Polyhexanide 0.02 % is used for routine decolonization (bacteria removal) of the catheter.



Bladder instillations

Uro-Tainer® NaCl

- **NaCl 0.9 %**
Indication: This isotonic fluid is used primarily for mechanically cleaning the bladder and catheter e.g. in case of debris forming in the bladder.

Size	Sales Unit	Ref. no.
Uro-Tainer® Twin Suby G		
100 ml	10	FB99839
60 ml (Twin)	10	9746609
Uro-Tainer® Twin Solutio R		
100 ml	10	FB99841
60 ml (Twin)	10	9746625

Size	Sales Unit	Ref. no.
Uro-Tainer® PHMB		
100 ml	10	FB99965

Size	Sales Unit	Ref. no.
Uro-Tainer® NaCl 0.9 %		
100 ml	10	FB99833
100 ml (w/o port)	10	FB99853

Ureofix® 500 Classic – Closed Urine Measurement System with exchange bags with or without bottom outlet



- Exact observation with precise scale
- Minimized risk of infection with a complete drip chamber design
- Improved emptying of container and flow direction identification
- Latex-free
- Extended fine measurement area for normal renal output range
- Pasteur chamber with air gap and anti-reflux valve
- Transition tubing-container under 45° to avoid kinking
- Needle-free sample port, universal connector
- Connecting tubing with slide-clamp
- Measurement chamber:
 - final measurement chambers from 0 to 50 ml
 - total measurement volume 500 ml
- Flexible suspension with integrated hook, fixation straps and pin
- Two protected venting filters for drip chambers and measuring container
- Simple twist bayonet connector for safe connection without leakage – ventilated cross-outlet
- Fine measurement chambers from 0 to 50 ml up to 150 ml

Ureofix® 500 Classic	Tubing length	Ref. no.	Sales Unit
Exchange bag 1,5 l	120 cm	4417910	Box of 10 units
	170 cm	4417920	
Exchange bag 3,5 l	170 cm	4417960	
	120 cm	4417930	
Ureofix® 500 Classic with premounted bag	170 cm	4417940	
	200 cm	4417950	

Bags and accessories for Ureofix® 500 Classic	Size	Ref. no.	Sales Unit
Spare bag, with sliding clamp	1,5 l	4417535	100
	3,5 l	4417543	100
Spare bag, with bottom outlet and anti-reflux valve	2,0 l	4417551	100
Fixation strap		4417755	10 x 10

Ureofix® Compact – Accurate and safe urine output management



User benefits

- Precise measurement with 2 separated chambers
- Prevention of urinary tract infections thanks to the Pasteur chamber and 2 non-return valves
- Needle-free sample port
- Convenience of use with 3 practical fixation means and the compact size
- Quick transfer of urine from chamber to bag

Product description	Tubing length (cm)	Ref. no.	Sales Unit
Ureofix® Compact – 2 chambers – 2 l bag	150	4417901	10
Fixation strip	-	4417755	10 x 10

Post operative 4 l bag – Closed urine drainage system with large capacity for post TUR use



User benefits

- 4 l capacity for use after TURP and TURB
- Prevention of infection thanks to the drip chamber and the 2 non return valves
- Safety for the users with the needle-free sample port
- Bottom outlet stored in a vented protective cap to avoid contamination with the floor
- Convenient fixation means with 2 hooks and 1 cord

Description	Ref. no.	Sales Unit
4 l bag TUR*	4801020	20
4 l bag TUR with pump*	4801030	20

* Delivered with clamp, bed-sheet clip in double pouch.

Ureofix® 112 Plus – Closed Urine Drainage System



User benefits

- Transparent drip chamber and non-return valve, 2 l air vented bag, sterile
- Non-drip bottom outlet valve with enclosure on the bag to avoid contamination
- Integrated needle-free sampling port inside the stage connector
- Connection tubing 110 cm with slide clamp and fixation clamps
- Bacteria-tight drip chamber with protective membrane
- 1 pair of sterile, latex – and powder – free gloves included for hygienic change of the set

Description	Tubing length	Ref. no.	Sales Unit
Bag 2000 ml, sterile	110 cm	28431S	25

Medicare Bag 2 l



- Non-sterile
- 90 cm tube
- Cross-outlet with stopper

Ref.no.	28114 (non-sterile)	28115 (sterile)
Sales Unit	Box of 10 units	Box of 10 units

Urimed® Bag 2 l



- 120 cm length tube
- Large diameter tube
- Non sterile

Ref.no.	28300A
Sales Unit	Box of 30 units

Urimed® SP – Quality within everyone's reach



User benefits

- Reduced risk of infections thanks to the integrated anti-reflux valve
- Safety of use with the needle-free sample port
- Cross contamination with the floor is limited thanks to the outlet storage on the bag
- No kinking tube with large diameter for a better flow of urine
- Universal connection

	Length tube	Ø tube	Sales unit	Ref. no.
Urimed SP 2 l	100	9	10	28610
	100	9	50	28650
Urimed SP+ 2 l	130	9	30	28630

Urimed® B'Bags – Adult urine collection bag



User benefits

- Wide range of urine bags:
 - Closed and drainable bags
 - Large capacity: 2 l and 1,5 l
 - Sterile – non sterile
 - With or without anti-reflux-valve
- Latex-free material
- Graduated scale on all bags
- Universal connection

			Capacity (l)	Sales unit	Ref. no.	
Urimed® B'Bag – Tube length: 90 cm – Tube ø intR: 5.05 Et extR: 6.5						
Closed bags	Sterile bags	No ARV**	2	100	29400	
			1,5	100	29420	
	Non-sterile bags	No ARV*	2	250	29415	
			1,5	250	29435	
		No ARV*	2	250	29410	
			1,5	250	29430	
	Non-sterile bags		No ARV*	2	30 **	29416
	Non-sterile bags		With ARV*	2	30**	29411
Drainable bags	Sterile bags	With ARV*	2	100	29440	
	Non-sterile bags		2	200	29450	
			1,5	200	29455	
	Non sterile bags	With ARV*	2	30**	29451	

* ARV (Anti-reflux-valve) ** + 1 hanging accessory

Urimed® Leg bags

Urine Leg Bags

Urimed® Bag Plus 500 ml



- 1 chamber
- Non-sterile
- 60 cm tube, cut to fit

Ref.no.	28501A
Sales Unit	Box of 30 units

Urimed® Tribag Plus 800 ml



- 3 chambers
- Non-sterile and sterile
- 60 cm tube
- attached connector (for 28305 only)

	Sterile	Non sterile
Ref.no.	28305	28306
Sales Unit	Box of 10 units	

Urimed® Bag Plus 1,5 l



- 1 chamber
- Non-sterile
- 90 cm tube, cut to fit

Ref.no.	28150A
Sales Unit	Box of 30 units

Urimed® Fix – Leg fixation



- Can be worn on the high or lower leg

	Small	Medium	Large
Ref.no.	68520R	68530R	68540R
Sales Unit	Box of 2 units		

Urimed® Straps – Leg fixation



- Adapted for leg bag

Ref.no.	68551
Sales Unit	1 pair

Urimed® Klett – Leg fixation



- Fixation for tube and catheter

	Small	Large
Ref.no.	28260	28261
Sales Unit	Box of 10 units	

Urimed® Fixation – Bed fixation



Ref.no.	68548R
Sales Unit	1 piece



- For baby > 2500 g
- High skin tolerance: gentle on application and removal
- Adhesive shape adapted to boy and girl anatomy
- Transparent: permanent visual control of urine

Urine sampling for biochemical, cytological or bacteriological examination



- Closed bags**
- For urine sampling

Collecting for diuresis management



Open bags with a double stage stopper

Urinocol® Paediatric				
			Ref. no.	Sales unit
	Sterile open paediatric bags	Boys	227546A	50
		Girls	227566A	50
	Sterile closed paediatric bags	Boys	227550A	100
		Girls	227560A	100



Bags for premature infants



- 2 sizes: mini and standard depending on baby weight
- With extension line: for incubator



- With „Parachute” shape to maintain the bag more effectively in place

Urinocol® Premature						
				Body weight	Ref. no.	Sales unit
	Sterile premature bags	Boys	Standard	1200-2500 g	227571A	50
		Girls	Mini	< 1200 g	227570A	50
	Sterile premature bags with extension line	Boys	Standard	1200-2500 g	227573A	50
		Girls	Mini	< 1200g	227572A	50

Standard Paediatric Urine Bag



User benefits

- Self adhesive unisex shape
- Size of the stick surface is variable
- Graduated scale at 10 ml up to 100 ml
- Bags available with or without drain and anti-reflux-valve
- Transparent material film

	Sterile / Non sterile	With or without ARV*	Closed/Drainable	Sales unit	Ref. no.
Standard paediatric urine bags					
For children	Non sterile	Without ARV*	Drainable - with drainage tube of 90 cm - with slide clamp	20 – Individually packed	4423046
	Non sterile	With ARV*	Drainable - with bottom outflow nozzle	10 – Bulk packed	4423135
	Sterile – Individually wrapped	Without ARV*	Closed	10 – Individually packed	4425030
	Non sterile	Without ARV*	Closed	10 – Bulk packed	4423038
For neonates	Sterile – Individually wrapped	Without ARV*	Closed	10 – Individually packed	4425049




* ARV (Anti-reflux-valve)

Rectobag® – Enema and Diagnosis Closed Systems



User benefits

- Single use closed enema kit always at hand
- 3 different kits available
- Hygienic handling: Rectal balloon catheter designed to be lodged in the rectum
- 2 l bag capacity with eyelets
- 100 % silicone rectal balloon catheter
- Latex-free

	Product description	Sales unit	Ref. no.
Rectobag® fluid collecting systems			
	Closed system for intestinal lavage - 2 l lavage bag - 138 cm large bore tubing with slide clamp - Rectal tube with balloon - Omnifix® 50/60 ml luer lock syringe	20	4423364
	Closed system for intestinal lavage - 2 l lavage bag - 138 cm large bore tubing with slide clamp - Y-piece with connector and slide clamp - Rectal tube with balloon - Omnifix® 50/60 ml luer lock syringe	20	4423348
	Closed system for intestinal lavage - 2 l lavage bag - Connector - 138 cm large bore tubing Non sterile / bulk packed	40	4423356

Rectal Catheters – For enema purposes and intestine evacuation or for the injection of contrast media



User benefits

- Individually packaged in box of 100
- Nelaton – 40 cm length
- Immediate size identification
- Colour coded Charrière enabling immediate size identification
- Latex-free

Length (cm)	CH	Sales unit	Ref. no.
40	22	100	4500300
	25	100	4500301
	28	100	4500302
	30	100	4500303

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SkinTech® Formulation:

- Technological platform for skin protector
- Unique wearing comfort
- Second skin sensation
- Improved skin protection



Flexima® Active Closed pouches

NEW: B.Braun laminar protected filter
Water and oil resistant, permeable to gases

- Ergonomic bag shape available in 3 sizes
- SkinTech® formulation for highest wearing comfort



	Flat	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 30 units</i>				
<i>Mini closed pouch</i> Approx. vol. 220 ml		∅ 15-45	4610215	-
		∅ 15-50	4610115	4611115
		25	4610125	4611125
		30	4610130	4611130
<i>Closed pouch</i> Approx. vol. 460 ml		35	4610135	4611135
		40	4610140	4611140
		45	4610145	4611145
<i>Maxi closed pouch</i> Approx. vol. 600 ml		∅ 15-65	4610380	4611380

Flexima® Active Drainable pouches

B.Braun laminar protected filter*
Leak-proof and permeable to gases
Hi-tech breathable membrane

- An extensive drainable range available in 3 sizes
- Skin® Tech formulation for higher wearing comfort



- Integrated soft Roll'Up clamp
- Easy-to-use outlet

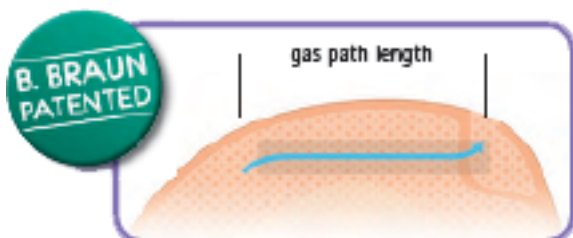
* B. Braun Internal Report 177 Et 0110

	Flat	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 30 units</i>				
<i>Mini Ileo roll-up pouch</i> Approx. vol. 260 ml		∅ 15-45	4620215	4621215
		∅ 15-50	4620115	4621115
		25	4620125	4621125
<i>Ileo roll-up pouch</i> Approx. vol. 560 ml		30	4620130	4621130
		35	4620135	4621135
		40	4620140	4621140
<i>Maxi Ileo roll-up pouch</i> Approx. vol. 720 ml		∅ 15-65	4620380	4621380

Flexima® Closed pouches

LT filter

Optimized performances of degassing and deodorising



- Flower-shaped skin protector
- Ergonomic shape for comfort
- Laminar technology filter: LT filter
- Gentle and flexible convexity

Flat



Convex



Box of 30 units

Flat	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
Box of 30 units	∅ 15-50	044015A	044115A
	∅ 15-70	044070A	044170A
	25	044025A	044125A
	30	044030A	044130A
	35	044035A	044135A
	40	044040A	044140A
	45	044045A	044145A
Closed pouch	∅ 15-45	44212A	-
	20	44220A	-
	25	44225A	-
	30	44230A	-
	35	44235A	-
	30	44230A	-

Mini Closed pouch

Box of 10 units

Convex	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
Cut-to-fit	∅ 15-35	44017A	44117A
	∅ 15-45	44018A	44118A
Pre-cut	25	44026A	-
	30	44031A	-
	35	44037A	-
	40	44041A	-

Flexima® Uro Silk pouches

Flat



Flat

Box of 30 units
+ 30 connectors

Diameter in mm	Ref. no. (beige)	Ref. no. (transparent)
∅ 12-55	044914A	044913A



Convex



Convex

Box of 10 units
+ 10 connectors

Cut-to-fit

Pre-cut

Diameter in mm	Ref. no. (beige)	Ref. no. (transparent)
∅ 15-25	44916A	44915A
∅ 15-35	44919A	44917A
25	44921A	44920A
30	44923A	44922A

Urine bag

Urined bag, 2 l
Box of 30 units

Ref. no.
28300A

Flexima® Drainable pouches – Roll'Up System



- Integrated soft Roll'Up clamp
- Easy-to-use outlet

- Patient-friendly integrated clamp
- Available in flat and convex
- Leak-proof (LKP) filter

B. Braun laminar protected filter:
Leak-proof and permeable to gases
Hi-tech breathable membrane



Flat

	Diameter in mm	Ref. no. (beige)	Ref. no. (transparent)
<i>Cut-to-fit</i> Box of 30 units	∅ 15-60	42715A	42815A
	25	42725A	-
<i>Pre-cut</i> Box of 30 units	30	42730A	-
	35	42735A	-
	40	42740A	-

Convex

	Diameter in mm	Ref. no. (beige)	Ref. no. (transparent)
<i>Box of 10 units</i>	∅ 15-35	42717A	42817A
<i>Cut-to-fit</i>	∅ 15-45	42718A	42818A
	25	42726A	-
<i>Pre-cut</i>	30	42731A	-
	35	42737A	-

Flexima® High Flow – To improve patient comfort with high output and reduce nursing time



- Flower shaped hydrocolloid adapts to natural skin folds
 - Practical to use
 - Cuto-to-fit 15-70 mm

B. Braun laminar protected filter:
Leak-proof and permeable to gases



High Flow outlet

	Flat	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
Box of 30 units		∞ 15-70	42970A	42971A

Flow Collector

	Bag 2 L	Ref. no.
Box of 5		039901A
Box of 15		039900A

- Specific outlet
 - Evacuates all types of output
 - Reassuring removal plug
 - Large emptying outlet: ∅ 15 mm
- Secure and easy to handle
- Highly adaptable flow collector
 - Ensures a good night's sleep and an active life during day
 - Visual control
 - Large capacity: 2 L
 - Secure and strong emptying outlet

Proxima®+ Closed Pouches



- Compact design for optimal comfort and discretion
- Integrated laminar filter – 40 mm
 - To reduce odour and pouch ballooning
 - Completely integrated to decrease the risk of staining clothes
- Odour proof plastic film
 - For more discretion
- Available in beige for more discretion, and transparent for visual control after surgery
 - Cut-To-Fit up to 70 mm
- Soft non-woven

Closed filter pouches (box of 30 pcs.)	Diameter (mm)	Ref. no. (beige)	Ref.no. (transparent)
Proxima® +	10-70	55010A	55110A
Proxima® +	10-70	54010A	54110A
Proxima® +	25	54025A	-
Proxima® +	30	54030A	-
Proxima® +	35	54035A	-
Proxima® +	40	54040A	-
Proxima® +	45	54045A	-

Proxima®+ Drainable Pouches



- Integrated laminar filter
 - To reduce odour
 - Completely integrated to decrease the risk of staining clothes
 - Available with or without filter
- Large capacity:
 - 650 ml for 1-Piece pouches & 720 ml for 2-Piece pouches
- Large drainable outlet – 7 cm
 - For ileostomy or colostomy stools evacuation
 - Easier cleaning of the outlet and emptying of the pouch
 - Reusable rigid or soft adhesive clamp available
- Odour proof plastic film
 - For more discretion
- Soft non-woven
- 100 % hydrocolloid skin protector
- 2 clamps for higher comfort
- Rigid reusable clamp

Drainable filter pouches (box of 30 pcs.)	Diameter (mm)	Ref. no. (beige)	Ref.no. (transparent)
Proxima® + (+1 rigid clamp)	10 - 70	54410A	54510A
Proxima® + (+1 rigid clamp)	25	54425A	-
Proxima® + (+1 rigid clamp)	30	54430A	-
Proxima® + (+1 rigid clamp)	35	54435A	-

Proxima® Border Pouches



- Hydrocolloid skin protector with acrylic tape border
- Optimum extended: from 3 to 5 days
- Washable micro-perforated material on the skin side of the pouch

Drainable pouches (box of 30 pcs.)	Diameter (mm)	Ref. no. (beige)	Ref.no. (transparent)
Proxima® Border* (30 Soft clamp + 1 rigid)	10 - 70	56410A	56510A

Proxima® Uro Pouches



- Compact design and optimized capacity for more discretion
- Anti-reflux valve
- Prevents urine backflow which could lead to urinary infections
- Unique B. Braun outlet, secure & easy to handle
Hygienic, no residual drop on fingers
- Capacity: 565 ml
- Universal connector very secure and easy to put on and to take off

A Secure Outlet

For Day:

- Clear position open/closed
- Fits in perfectly and is strengthened by an audible click and a final locking system
- Easy to handle; no risk of wet fingers

For Night:

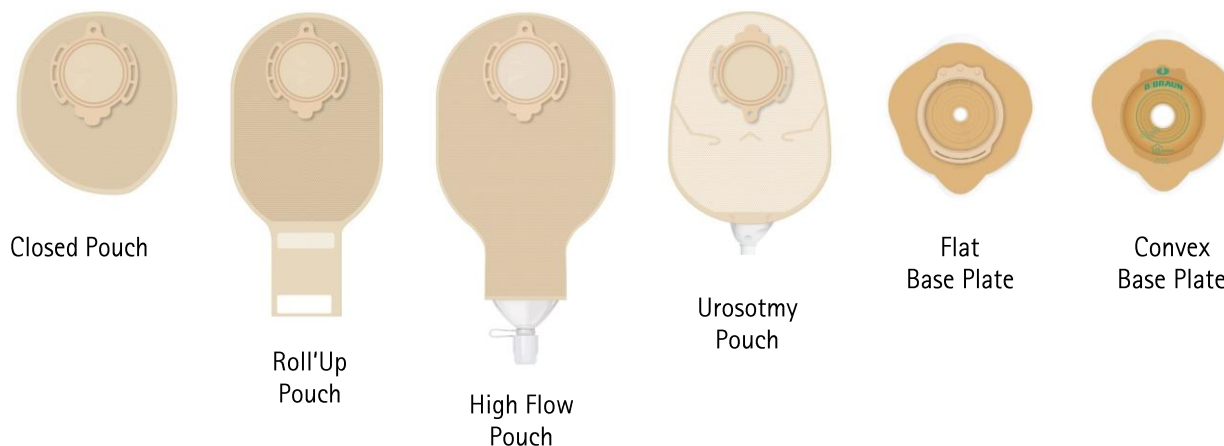
- Audible click at connection
- Easy to connect to a night drainage bag
- Outlet designed to avoid pouch twist

Urostomy pouches (box of 30 pcs.)	Diameter (mm)	Ref.no. (transparent)
Proxima® Uro	12 - 55	55540A

Flexima® 3S – Latest generation of 2-piece mechanical coupling system

A complete offer...

- 4 types of pouch: closed, drainable, high-flow and uro
- 2 types of base plate: flat and convex



...with unique features

- **Leak-proof filter** on all enterostomy pouches
- **Large 7 cm Roll'Up outlet** with easy opening and cleaning
- **Optimized pouch capacity and size**

As part of the latest generation of coupling systems, Flexima® 3S is:

Simple: it guides into position for you!

- **Right positioning from the start:** 3 easy fitting steps:
 - 1) Insert the pouch tab into the base plate slot
 - 2) Clip the bottom of the ring and slide it up on the other
 - 3) Lock the pinpoint to secure the system
- **No education required:** intuitive guiding appliance
- **Multiple orientation:** 3 possible pouch positions according to the body configuration

Secure: it gives you confidence!

- **Enhanced leak proofing** thanks to the close fitting mechanical coupling system
- **Extra security feeling** strengthened by an audible click and a final locking system
- **Optional belt fixation:** 3 hooks on the pouch add stability when needed

Soft: it feels like part of you!

- **Minimum pressure on the abdomen:** the floating flange prevents from discomfort at application
- **High degree of comfort:** flexible when base plate and pouch are coupled together
- **Optimized body fit:** new generation of plastic material

Flexima® 3S Base Plates – flat



- 3 sizes of flange
- 4 diameters of rings
- Pre-cut / CTF
- Transparent release film
- Floating range

Flat base plates (box of 5 or 10 pcs.)	Diameter (mm)	Ref.no. (transparent)
	∅ 45/ 15-30	936415
	45/20	936420
	45/25	936425
	45/30	936430
	∅ 55/ 15 – 40	936515
	55/35	936535
	55/40	936540
	∅ 65/ 15 – 50	936615
	65/45	936645
	∅ 80/15 – 65	936815

Flexima® 3S Base Plates – convex



- 3 sizes of flange
- 3 diameters of rings
- Depth 6 mm
- Pre-cut / CTF

Convex base plates (box of 5.)	Diameter (mm)	Ref.no. (transparent)
	∅ 45/ 15 – 26	937415
	45/20	937420
	45/25	937425
	∅ 55/ 15 – 36	937515
	55/30	937530
	55/35	937535
	∅ 65/ 15 – 46	937615
	65/40	937640
	65/45	937645

Flexima® 3S Closed Pouches



- Compact shape
- Available in Mini, Midi and Maxi sizes
- Beige and transparent
- 80 mm
- PVC free and odourproof film
- HP (high protected) filter: round shape, no bending effect

Closed Pouches (box of 30 pcs.)	Diameter (mm)	Ref.no. (beige)	Ref.no. (transparent)
Mini	45	931245	-
	55	931255	-
Midi	45	931045	931145
	55	931055	931155
	65	931065	931165
Maxi	45	931445	931545
	55	931455	931555
	65	931465	931565
	80	931480	931580

Flexima® 3S Roll'Up Pouches



- Compact shape
- 3 positions for belt on pouches
- New Roll'Up:
 - Width 7 cm
 - Folding tap
 - New outlet
- PVC free and odour-proof film
- HP (high protected) filter

Roll'Up Pouches (box of 30 pcs.)	Diameter (mm)	Ref.no. (beige)	Ref.no. (transparent)
Mini	45	932245	-
	55	932255	-
Midi	45	932045	932145
	55	932055	932155
	65	932065	932165
Maxi	45	932445	932545
	55	932455	932555
	65	932465	932565
	80	932480	932580

Flexima® 3S High Flow Pouches



- Optimized shape
- HP Filter
- Large outlet
- 3 positions for belt on pouches
- Secure outlet
- Connection to our Flow Connector Pouch

High Flow Pouches (box of 30 pcs.)	Diameter (mm)	Ref.no. (beige)	Ref.no. (transparent)
	55	933055	933155
	65	933065	933165
	80	933080	933180

Flexima® 3S Urostomy Pouches



- Compact shape
- 1 size/2 colors
- Secure urostomy outlet:
 - For day:*
 - **Clear position** open/closed
 - **Snaps perfectly** strengthened by an audible click and a final locking system
 - **Easy to handle:** no risk of wet fingers
 - For night:*
 - **Audible click** at connection
 - **Easy to connect** to a night drainage bag
 - **Anti-twist** design

Urostomy Pouches (box of 20 or 30 pcs.)	Diameter (mm)	Ref.no. (beige)	Ref.no. (transparent)
	55	934045	934145
	55	934055	934155
	65	934065	934165

Flexima® Key Base Plates

Convex



Pre-Cut



Key benefits

- Precise and simple positioning with a guiding system
- Secure setting-up decreases risks of leakage
- Minimum patient education
- Gentle and flexible convexity

■ Base plate advantages

- Soft plastic material for flexibility and smoothness
- Easy cleaning
- Easy handling during pouch removal

Flat	Diameter in mm	Ref. no.	Convex	Diameter in mm	Ref. no.
<i>Cut-to-fit</i> Box of 5 units	40/12-35	62040A	<i>Cut-to-fit</i> Box of 5 units	50/15-25	62052A
	50/12-45	62050A		60/15-35	62062A
	60/12-55	62060A		60/15-45	62063A
	80/12-75	62080A		50/20	62054A
<i>Pre-cut</i> Box of 5 units	40/20	620421A	<i>Pre-cut</i> Box of 5 units	60/25	62064A
	40/25	620425A		60/30	62066A
	50/30	620430A		60/35	62067A
	50/35	620436A		60/40	62069A

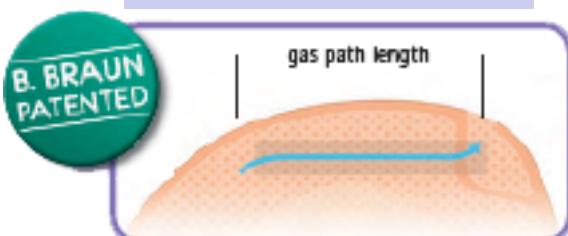
Flexima® Key Closed Pouches



■ Pouch advantages

- Tab on the pouch
- Pouch adhesive keeps its shape without any distortion closed pouch
- Ergonomic shape fitting to body contour
- Soft, beige non-woven for more discretion and more comfort

B. Braun laminar protected filter:
Leak-proof and permeable to gases



Flat	Diameter in mm	Ref. no. (beige)	Ref. no. (transparent)
<i>Box of 30 units</i>	40	62140A	62240A
	50	62150A	62250A
	60	62160A	62260A
	80	62180A	62280A

Flexima® Key Base Drainable Pouches

B. Braun laminar protected filter:
Leak-proof and permeable to gases



Roll'Up integrated soft clamp



- Roll'Up system:
- Integrated clamp easy to handle

Mini	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 30 units</i>	50	621253A	621252A
Standard	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 30 units</i>	40	621241A	621240A
	50	621251A	621250A
	60	621261A	621260A
	80	621281A	621280A

**Maxi drainable pouch:
Easy-to-use outlet**



- Large emptying outlet: \varnothing 15 mm
- Minimum patient education
- Secure outlet
- LKP filter

Maxi drainable pouches	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 30 units</i>	50	62550A	62650A
	60	62560A	62660A
	80	-	62680A
Flow Collector Bag 2 L	Ref.no.		
<i>Box of 5 units</i>	039901A		
<i>Box of 15 units</i>	039900A		

Flexima® Key Uro Pouches – Unique adhesive coupling system for urostomates

High security, high comfort



- Innovative soft adhesive seal
- Ideal seal*
 - By absorption of deformations due to patient's movement
 - Double non-woven in beige version

Uro pouches	Diameter in mm	Ref. no. (beige)	Ref.no. (transparent)
<i>Box of 20 or 30 units + 2 keys + 20 or 30 connectors</i>	40	62740A	62840A
	50	62750A	62850A
	60	62760A	62850A



← 98% without leakage*

Flexible removal according to situation

Flexima® Key Uro removal device



- Standard removal
 - Hold the base plate with one hand and initiate the un-sticking of the pouch
- Removal with accessory
 - Insert the accessory in the slot
 - Turn to un-stick the pouch, once initiated, complete the un-sticking progressively
- Also available as accessory

Key accessory	Ref.no.
<i>Box of 5 units</i>	05070A

* Report on patient survey Flexima®/Softima® Key Uro

Proxima® 2 Base Plates



- Full hydrocolloid skin protector
 - Optimal skin protection
- Discreet flange incorporating belt loops
- Secure locking system
 - Easy coupling with minimum pressure onto the abdomen
- Release paper with printed cutted-target

	Flat	Diameter in mm	Ref.no. (transparent)
<i>Base plate</i> <i>Box of 10 units</i>		40/12-35	73040A
		50/12-45	73050A
		60/12-55	73060A
		80/12-75	73080A

Proxima® 2 Base Plate Border



- Hydrocolloid with acrylic tape border skin protector
 - Immediate adhesivity and secure feeling
 - Increased wear time

Flat base border (box of 30 pcs.)	Diameter (mm)	Ref.no.
Proxima 2	⊗ 40/ 12 - 35	76040A
Proxima 2	⊗ 50/ 12 - 45	76050A
Proxima 2	⊗ 60/12 - 55	76060A
Proxima 2	⊗ 80/12 - 75	76080A

Proxima® 2+ Closed Pouches



- Compact design for optimal comfort and discretion
- Integrated laminar filter – 40 mm
 - To reduce odour and pouch ballooning
 - Completely integrated to decrease the risk of staining clothes
- Odour proof plastic film
 - For more discretion
- Available in beige for more discretion, and transparent for visual control after surgery
Cut-To-Fit up to 70 mm
- Soft non-woven

Closed filter pouches (box of 30 pcs.)	Diameter (mm)	Ref. no. (beige)	Ref.no. (transparent)
Proxima® 2+	40	74140A	-
Proxima® 2+	50	74150A	-
Proxima® 2+	60	74160A	-
Proxima® 2+	80	74180A	-

Proxima® 2+ Drainable Pouches



- Integrated laminar filter
 - To reduce odour
 - Completely integrated to decrease the risk of staining clothes
 - Available with or without filter
- Large capacity:
650 ml for 1-Piece pouches & 720 ml for 2-Piece pouches
- Large drainable outlet – 7 cm
 - For ileostomy or colostomy stools evacuation
 - Easier cleaning of the outlet and emptying of the pouch
 - Reusable rigid or soft adhesive clamp available
- Odour proof plastic film
 - For more discretion
- Soft non-woven
- 1 Rigid reusable clamp

Drainable filter pouches (box of 30 pcs.)	Diameter (mm)	Ref. no. (beige)	Ref.no. (transparent)
Proxima 2+ (+1 rigid clamp)	40	74340A	74440A
Proxima 2+ (+1 rigid clamp)	50	74350A	74450A
Proxima 2+ (+1 rigid clamp)	60	74360A	74460A
Proxima 2+ (+1 rigid clamp)	80	74380A	74480A

Proxima® 2 Urostomy Pouches



- Compact design and optimized capacity for more discretion
- Anti-reflux valve
 - Prevents urine backflow which could lead to urinary infections
- Unique B. Braun outlet, secure & easy to handle
Hygienic no residual drop on fingers
- Capacity: 690 ml
- Universal connector very secure and easy to put on and to take off

A Secure Outlet

For Day:

- Clear position open/closed
- Fits in perfectly and is strengthened by an audible click and a final locking system
- Easy to handle; no risk of wet fingers

For Night:

- Audible click at connection
- Easy to connect to a night drainage bag
- Outlet designed to avoid pouch twist

Urostomy pouches (box of 30 pcs.)	Diameter (mm)	Ref.no. (transparent)
Proxima® 2 Uro	40	73540A
Proxima® 2 Uro	50	73550A
Proxima® 2 Uro	60	73560A

Draina S® Mini



- Transparent front allow a clear view of the wound site
- Anti-reflux valve
- Narrow, small, ideal for drainage in difficult location
- Small fistulae
- Children's stomas in Post-OP

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 30 units	75	∅10-30	H08560

Draina S® Medium



- Transparent front allow a clear view of the wound site
- Drainage of wound and fistuale
- Immediate Post-OP care of stomas

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 20 units	150	∅10-50	H28555

Draina S® Large



- Transparent front allow a clear view of the wound site
- Drainage of wound and fistuale
- Optimized wear time and size

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 30 units	300	∅10-88	H28556

Draina S[®] Vision

Drainage Range

Draina S[®] Vision 50



- A greater „gusset” effect direct access to the wound
- Easy medical care
- Allows checking at any time

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 10 units	150	∅10-50	H28565

Draina S[®] Vision 75



- A greater „gusset” effect direct access to the wound
- Easy medical care
- Allows checking at any time

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 10 units	250	∅10-88	H28566

Draina S[®] Vision 700



- A greater „gusset” effect direct access to the wound
- Easy medical care
- Allows checking at any time

1-piece pouch without window	Indicative Vol. (ml)	Maxi cut (mm)	Ref.no.
Box of 10 units	300	∅10-100	H28567

Iryflex® Gravity Irrigation Set



The Iryflex® Set for an easy and safe way of stoma irrigation includes all necessary items for starting irrigation.



Iryflex® Gravity Irrigation Set	Sales Unit	Ref.no.
<i>Complete Set contains:</i>	1	60651
1) Iryflex® reservoir		
2) Iryflex® cone		
3) Iryflex® Irrigation Sleeves 60 mm		
4) Iryflex® faceplate		
5) B. Braun® StomaCare Belt		
6) Toilet bag		
7) Mini pouches		

Iryflex® accessories	Sales Unit	Ref.no.
1) Iryflex® reservoir: water container with temperature control, flow control, roller clamp	1 pc.	60600
2) Iryflex® cone: soft cone	1 pc.	F05062
3) Iryflex® irrigation sleeves 60 mm: with adhesive surface to adhere to the base plate, Softima®/Flexima® Key base plate, to the specific Iryflex® faceplate and directly on the skin	1 pc.	60620 60630 60650
4) Iryflex® faceplate: base plate to use the Iryflex® irrigation sleeves without sticking on the skin	20 pcs.	F05064
5) B. Braun® Stoma Care Belt: for fixing the Iryflex® faceplate onto the stoma	30 pcs.	5028
6) Iryflex® toilet bag	1 pc.	60655
Disposal bags	1 pc.	22750

Stoma caps, pouches	Size	Sales Unit	Ref.no.
Iryfix® : Stoma cap with integrated filter			
	Ø up to 35 mm	15 pcs.	F00014
B. Braun® Petite: Mini cap 82 x 71 mm			
	⊗ 15-35 mm	30 pcs.	F00011
	35 mm	30 pcs.	F00015
Flexima® Mini (mini poche beige)			
	⊗ 12-50 mm	30 pcs.	043216
Flexima® Mini Active (mini poche beige)			
	⊗ 15-45 mm	30 pcs.	460215

IryPump® S – The new generation of mobile electrical irrigation pumps



- Innovative, compact design
- Easy, comfortable operating
- Individual selectable flow control settings
- Easy handling for everybody
- Stable standing – to place and take anywhere
- Adjustable and constant water flow
- Comfortable, easy and safe irrigation through electrical pump

IryPump® S Set	Sales Unit	Ref.no.	IryPump® S Accessories	Sales Unit	Ref.no.
<i>Complete Starter Set contains:</i>	1	29120	2) IryCone®+ (cone and tubing)	1 pc.	29220
1) IryPump® S (electrical pump, water container and power supply)			IryPump® Power supply	1 pc.	29030
2) IryCone® + (cone and tubing)			IryPump® Water container	1 pc.	29240
3) IrySleeve® Irrigation Sleeves 60 mm			3) IrySleeve® Irrigation Sleeves 60 mm	20 pcs.	60620
4) Iryflex® Faceplate				30 pcs.	60630
5) B. Braun StomaCare Belt				50 pcs.	60650
6) Iryfix®			4) Iryflex® Faceplate	1 pc.	F05064
7) B. Braun Petite			5) B. Braun StomaCare Belt	1 pc.	5028
8) Softima®/Flexima® Active Mini					
9) Carrying case					
Stoma caps, Mini pouches		Size	Sales Unit	Ref.no.	
6) Iryfix®	Stoma cap with integrated filter	Ø up to 35 mm	15 pcs.	F00014	
7) B. Braun Petite	Mini pouch 82 x 71 mm	∅ 15 – 35 mm	30 pcs.	F00011	
		35 mm	30 pcs.	F00015	
8) Softima®/Flexima® Active Mini	Mini pouch beige (~220 ml)	∅ 15 – 45 mm	30 pcs.	4610215	

Askina® Barrier Film – Long lasting protection for peristomal skin



- Easy, economic and safe
- Completely sting free, can be used on damaged skin
- Rapid drying < 30 s
- Transparent: allows visual control
- Cost effective: offers 3 days protection
- Easy to remove
- Does not interfere with the adhesivity of stoma appliances

Askina® Barrier Film	Ref.no.
28 ml Box of 1 unit	4002801
28 ml Box of 12 units	4002812

Askina® Barrier Film Swabs	Ref.no.
1 ml Pack of 5 units	4000105
1 ml Pack of 25 units	4000125

Askina® Barrier Cream – Protectant and moisture barrier



- Effective prevention of skin breakdown associated with incontinence
- Highly concentrated: small amounts will cover a large surface
- Does not reduce the absorbency of incontinent pads
- Does not reduce the adherence of fixation tapes and dressings
- Temporarily resists wash-off; no need for frequent application

Askina® Barrier Cream	Ref.no.
Tube 28 g Pack of 1 unit	4112801
Tube 28 g Pack of 12 units	4112812
Tube 92 g Pack of 1 unit	4119201
Tube 92 g Pack of 12 units	4119212

B. Braun Adhesive Remover / Superfiller

Accessories

B. Braun Adhesive Remover – Helps to remove your medical adhesive without pain



- 2 in 1 product: for pouch and residue removal
- Very simple to use
- No pain
- No waste: the cap may be locked therefore avoiding inadvertent spraying
- The product can be sprayed even when inverted, allowing easy access to difficult areas
- Integrated cap, avoids disposal tissues

Askina® Adhesive Remover	Ref.no.
50 ml Box of 1 unit	AR5001

Superfiller – Protective skin barrier paste



- Ideal to fill in skin folds around the stoma
- Extends wear time of the appliance
- Ideal to prevent leakages and skin irritation
- Easy to form, to mould and to spread



General opinion Resistance of the paste to dissolution by effluents Applying the paste where it is needed Stability of the paste once applied Cleaning paste residues on skin



Askina® Barrier Swabs	Ref.no.
60 g Box of 1 unit	F05008A

International Quality of life survey January 2005*

27 patients, regular users of peristomal paste, evaluated and tested the performance of superfiller.

Ileo Gel+ – Stools gelifier

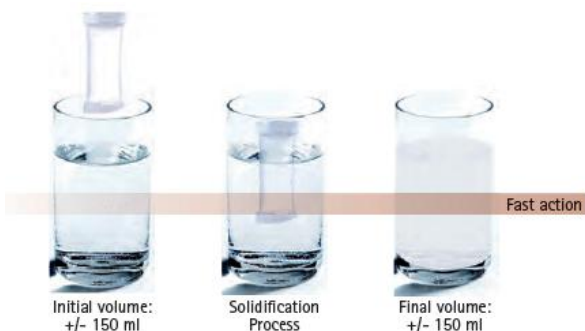


- A unique and specific solution
- Ileo Gel+ is the efficient and easy way for ileostomates to transform liquid stools into a gel
- A super absorbent powder
- Ready to use concept with 100 % hydro soluble film

Benefits:

- Safe and easy emptying
- Prolonged efficiency of the filter
- User friendly packaging
- Pocket box for daily use

Ileo Gel+	Ref.no.
Box of 45 units	005012A



→ Ileo Gel+ does not increase the volume of the pouch

B. Braun DeOdour



- B. Braun DeOdour is 100 % natural mineral zeolite
- A molecular sponge with a high porosity capable to adsorb maodorous gases
- User friendly packaging: dispenser
- Only one sachet is necessary per pouch

B. Braun DeOdour	Ref.no.
Box of 30 units	005013A

B. Braun Stoma Care Belt / Clamp / Flexima® Key Uro removal device

Accessories

B. Braun Stoma Care Belt

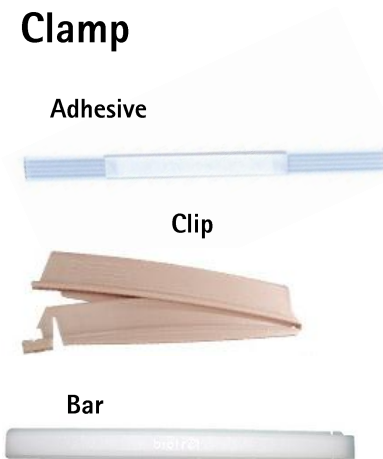


→ NEW

■ Latex-free

B. Braun Stoma Care Belt	Ref.no.
Box of 1 unit	5028

Clamp



Adhesive

Clip

Bar

Clamp	Ref.no.
<i>Adhesive</i> Box of 30 units	F00726A
<i>Clip</i> Box of 10 units	F00727A
<i>Bar</i> Box of 10 units	F00728A

Flexima® Key Uro removal device



Removal device	Ref.no.
Box of 5 units	05070A

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