

Product Group: **Dialysis media supply (Accessories)**

Part. No: **AS-146**

Name: **Pexa Pipe D25 Raw Titanium**

Version: **2.0**

## DESCRIPTION:

Cross-linked polyethylene (PE-Xa) 25X3,5mm;



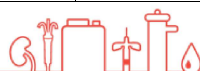
## Equipment:

**Numbers of pieces depending on length!**

## Technical Data:

Dimensions (in mm): 25 x 3,5

Intrastat Code: 3917 29 00



Product Group: **Permeate Loop System**

Part. No: **AS-990**

Name: **Rock Wool Pipe Insulation 20x28**

Version: **2.0**

**DESCRIPTION:**

Flexible rubber isolation 30x28mm  
 Heat resistant up to 150°C  
 UV resistant.

Insulation material for PVDF or PE-Xa loops



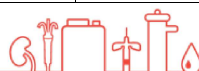
All information is supplied without guarantee. All technical specifications subject to changes without notice.

**Technical Data:**

Thermal conductivity 0,038W/(mxK)

Intrastat Code: 6806 10 00

Dimensions mm:



Product Group: **PREFILTRATION**

Part. No: **CON-447**

Name: **Filter 20" 5 µm**

Version: **2.0**

## DESCRIPTION:

The melt-blow cartridge is manufactured in the melt-blow process where-by four different spray nozzles are used to combine fine and coarse continuous threads to form a multilayer structure.

The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside.

Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers.

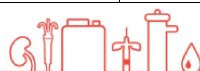
This construction ensures a long service life, high dirt-retention capacity and low differential pressures.



- Filter medium 100% polypropylene
- Lengths 20"inch
- Differential pressure max. 3,2bar at 20°C
- Filter change recommended at 1bar

## Technical Data:

Dimensions:	20" inch	Intrastat Code:	8421 99 10
Weight:	0,3 Kg	Filtration:	5µm
Material:	100% Polypropylene		



All information is supplied without guarantee. All technical specifications subject to changes without notice.

Product Group: **PREFILTRATION**

Part. No: **CON-448**

Name: **Filter 20" 10 µm**

Version: **2.0**

## DESCRIPTION:

The melt-blow cartridge is manufactured in the melt-blow process where-by four different spray nozzles are used to combine fine and coarse continuous threads to form a multilayer structure.

The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside.

Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers.

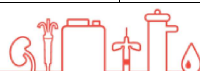
This construction ensures a long service life, high dirt-retention capacity and low differential pressures.



- Filter medium 100% polypropylene
- Lengths 20"inch
- Differential pressure max. 3,2bar at 20°C
- Filter change recommended at 1bar

## Technical Data:

Dimensions:	20" inch	Intrastat Code:	8421 99 10
Weight:	0,3 Kg	Filtration:	10µm
Material:	100% Polypropylene		



All information is supplied without guarantee. All technical specifications subject to changes without notice.



Product Group: **PREFILTRATION**

Part. No: **CON-449**

Name: **Filter 20" 25 µm**

Version: **2.0**

## DESCRIPTION:

The melt-blow cartridge is manufactured in the melt-blow process where-by four different spray nozzles are used to combine fine and coarse continuous threads to form a multilayer structure.

The fine layers are situated on the inside of the depth filter structure; the coarse layers on the outside.

Due to this four-level gradation coarse particles are retained in the outer layers and finer particles in the inner layers.

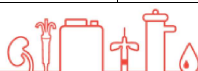
This construction ensures a long service life, high dirt-retention capacity and low differential pressures.



- Filter medium 100% polypropylene
- Lengths 20"inch
- Differential pressure max. 3,2bar at 20°C
- Filter change recommended at 1bar

## Technical Data:

Dimensions:	20" inch	Intrastat Code:	8421 99 10
Weight:	0,3 Kg	Filtration:	25µm
Material:	100% Polypropylene		



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Product Group: **PREFILTRATION**

Part. No: **NAC-PT-PS-UG**

Name: **Prefilter 20dm**

Version: **2.0**

## DESCRIPTION:

Filters larger dirt and rust particles.  
 Extends the life of primary filter cartridges.  
 Durable slim bowl design makes cartridge change outs easy to handle.  
 Clear housing lets you visually inspect trapped particles and makes determining when to change the cartridge easy.

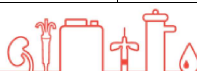
- For tap water filtration
- Transparent filter housings
- Polypropylene head
- For 20 inch filters (50µm, 25µm, 10µm, 5µm, 1µm)



Item Material	Qty	UoM2	Component Description
SP-200	1	EA	Ball Valve 1 Brass
SP-451	1	EA	Clearly To Filter Casing 20
SP-454	1	EA	Holding Bracket For Casing Wtkf
SP-452	1	EA	Installation Wrench For Wtkf Casing
SP-1106	2	EA	Manometer 0-10 Bars Va D40
AS-340	2	EA	T-Piece 90° Level Pvc-U D25
SP-304	2	EA	Adapter Pvc D25-1/4
AS-339	2	EA	Socket Coupling Nipple D25-3/4 Pvc-U
SP-961	2	EA	Transition Socket Coupl Nip Pvc D25-1
AS-344	2	EA	Reduction Short Pvc-U D25-20
AS-343	2	EA	Pressure Hose Sockets Pvc-U D20

## Technical Data:

Dimensions (cm):	60x17x17	Intrastat Code:	8421 21 00
Weight (kg):	1,2	Number of filters:	1
Material:	Polypropylene		



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Product Group: **PREFILTRATION**

Part. No: **NAC-PT-PVC-UG**

Name: **Prefiltration Export PVC**

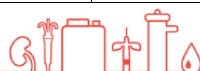
Version: **2.0**

Item	QTY	UoM2	Description
AS-115	3	EA	Ht Red. 50/40
AS-119	3	EA	Ht50 Pipe 500 Long
AS-120	5	EA	Ht50 Pipe 1000 Long
AS-121	5	EA	Bend Ht50 87°
AS-122	5	EA	Bend Ht50 45°
AS-125	1	EA	Branch 50/50 87°
AS-128	4	EA	Branch 50/40 87°
AS-138	5	EA	Ht40 Pipe 1000 Long
AS-259	2	EA	Brass Taper Piece 1-11/4
AS-335	10	M	Pipe Pvc-U D25 Pn16
AS-336	20	EA	Angle 90° Pvc-U D25
AS-338	2	EA	Screwed Con. D25 Pvc-U
AS-339	5	EA	Socket Coupling Nipple D25-3/4 Pvc-U
AS-340	10	EA	T-Piece 90° Level Pvc-U D25
AS-341	15	EA	Socket Coupling Level Pvc-U D25
AS-343	4	EA	Pressure Hose Sockets Pvc-U D20
AS-344	4	EA	Reduction Short Pvc-U D25-20
SP-1004	3	M	Wire 4x 0,5
SP-1012	1	EA	Taper Piece 2 -1
SP-1023	6	M	Hose Pvc 19x35 With Woven Fabric
SP-1265	50	EA	purpose anchor 10x61
SP-1266	50	EA	Stockschraube Stahl M8x80
SP-1297	30	EA	Pipe Clamp 26-28mm
SP-1298	2	EA	Ptfe Thread Sealing Tape 12x0,1mm
SP-1304	30	EA	Spacer Sleeve Galvanised Hexagonal M8x25
SP-1313	10	EA	Hose Clamp 16-27mm
SP-1335	30	EA	Threaded Rod M8x80
SP-147	6	EA	Brass Double Nipple 1
SP-183	1	EA	Salt Tablets Bag 25 Kg
SP-197	1	EA	Total Hardness Measurement Set
SP-203	5	EA	Manometer 1/4 0-10 Bar D63

### Technical Data:

Shipping weight: 25 kg

Intrastat Code: 3917 40 00



Product Group: **PREFILTRATION**

Part. No: **NAC-PT-PVC-UG**

Name: **Prefiltration Export PVC**

Version: **2.0**

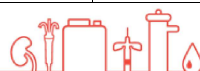
SP-304	6	EA	Adapter Pvc D25-1/4
SP-433	3	EA	Steal Flex Tubing Nd 25 15m Nimu-
SP-500	20	EA	Pipe Clamp 48-51
SP-522	6	EA	Twin Connector 1 Inch Brass
SP-562	2	EA	Ball Valve Pvc D25
SP-744	20	EA	Seal For Reinforced Hose Dn20
SP-907	8	EA	Redu 32-25 Short Pvc
SP-961	20	EA	Transition Socket Coupl Nip Pvc D25-1
SP-998	8	EA	Transition Socket Coupling Pvc D32-1



### Technical Data:

Shipping weight: 25 kg

Intrastat Code: 3917 40 00



Product Group: **PREFILTRATION**

Part. No: **NAC-PT-WA-UG**

Name: **Water alarm with motor turning valve 1dm**

Version: **2.0**

## DESCRIPTION:

Detects water leaks and breaks the water supply reliable by a rotary valve engine.

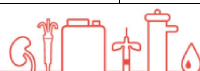
The system can be extended with additional sensors.



Item Material	Qty	UoM2	Component Description
SP-178	1	EA	Water Alarm Box
SP-179	1	EA	Sensor Cable For Water Alarm Boxes
SP-180	1	EA	Extension Cable 2 M 230 V White
SP-429	1	EA	Ball Valve 107 Pp-H 230 V Electrical St
SP-713	1	EA	Water Alarm Box Front Film
AS-1121	2	EA	Pvc Insert Part For Type 546 32 Mm
SP-714	1	EA	Cable Gland Con M12x1
SP-1339	2	EA	Cable Screw M16

## Technical Data:

Dimensions (cm):	40x26x22	Intrastat Code:	8421 99 00
Weight (kg):	3	Power supply:	230 V / 50Hz / 40VA
Connection (Inch):	1" Inside	Material:	PP



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Product Group: **Accessoires**

Part. No: **NAC-RO-EF-UG**

Name: **Microfiltration 0,2 µm**

Version: **2.0**

## DESCRIPTION:

Inline filter made of PVDF including 0,2µm PTFE membrane filter.

Complete construction of the filter is made of Polypropylene and get welded in a clean room without using additives or surface active substances.

Can withstand heat upto 95°C

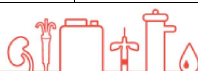
- High porous PTFE membrane
- Free of additives, glue or surface active substances
- High endurance (change at different pressure of 1 bar or every 6 months)



Item	Material	Qty	UoM2	Component Description
SP-1060		1	EA	Inline Filter Casing PvdF
SP-970		1	EA	Filter 20 0,2 ÅµM Code 0
SP-548		2	EA	Clamping Clip Dn 25/32 14301
SP-637		2	EA	Clamp Sealing Ring Dn25epdm
SP-681		2	EA	Clamp Adapter D25 PvdF
SP-760		2	EA	Insert D25 PvdF
SP-1265		2	EA	Purpose Anchor 10x61
SP-1266		2	EA	Stockschraube Stahl M8x80
SP-1297		2	EA	Pipe Clamp 26-28mm
SP-1304		2	EA	Spacer Sleeve Galvanised Hexagonal M8x25
SP-1335		2	EA	Threaded Rod M8x80
SP-1095		1	EA	T-Piece D25-1/4 Above PvdF
SP-149		1	EA	Closing Nipple Va Dn 6 Ag 1/4 14571

## Technical Data:

Housing Type	PVDF inline filter	Intrastat Code:	8421 99 00
Filter type	Hydrophobic Membrane	Temp. max.	95°C
Material	PTFE / Polypropylene	Max. flow	1800 l/h
Size	20"	Weight:	20 kg



Product Group: **Reverse Osmosis**

Part. No: **NRO-HOT-HC-UG**

Name: **HCmedical**

Version: **2.0**

## DESCRIPTION:

### Upgrade for Reverse Osmosis System RO Medical

Heat disinfection system with flow heater for complete sanitisation of the permeate (multi) loop system;

- Economic heat disinfection
- No standby costs
- Easy heat sanitisation over night

### Stainless Steel Piping

- Piping made of stainless steel (ASI 316)
- Stainless steel frame

### Computer controlled system

- Programmable start of heat sanitization
- Selectable language
- Auto restart after power failure



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## Technical Data:

Permeate capacity	350—2,800 L/h	Intrastat Code:	8421 21 00
Transport weight	70 kg	Energy supply	CEE 400 V AC / 50Hz
Maximum weight in operation	75 kg	Energy consumption	Max. 14 kW
		Dimensions with RO (LxWxH in cm):	100x80x180





Product Group: **Reverse Osmosis**

Part. No: **NRO-MED-350-UG**

Name: **RO Medical permeate capacity 350l/h**

Version: **2.0**

## DESCRIPTION:

Computer controlled reverse osmosis system.  
Piping and frame is made of high grade stainless steel.

Possibility of membrane extension for more output.

Several conductivity sensors:

- 1x Soft water
- 1x Permeate after membrane
- 1x Permeate loop end

CE Label and Medical Device Class IIb according to Council Directive 93/42/EEC.



- Spiral wound low energy composite polyamide membrane for high recovery;
- Water saving technology with permeate and concentrate re-circulation;
- Piping made of stainless steel (ASI 316)
- Computer controlled system;
- Plain text display;
- Selectable language;
- Manually operated emergency mode in the event of control failure;
- Automatic restart after power failure;
- Operation with HC medical (heat sanitization), serial, parallel, redundant or permeate tank possible;

## Technical Data:

Product Output 15°C	350 l/h	Intrastat Code:	8421 21 00
20°C	380 l/h		
Standard Recovery	60-75%	Mains Voltage	230V / 50Hz or 230V / 60 Hz
Salt rejection	<99,3%		115V / 50Hz or 115V / 60 Hz
Room Temperatures	10-35°C	Power rating	2,0 kW
Shipping weight	150 kg	Dimensions (cm):	100x50x165





Product Group: **PREFILTRATION**

Part. No: **SP-1176**

Name: **Nipro Turbidexfilter 1,5 m<sup>3</sup> 1054p**

Version: **2.0**

## DESCRIPTION:

Turbidex™ granules consist of a high surface area alumino-silicate mineral that provides exceptional suspended solids filtration. The macro porous nature of Turbidex™ allows for filtration at levels below 5 Microns in particle size.

The irregular surface area and extensive porosity of Turbidex™ makes it the perfect filtration media for any application where solids removal is essential to the process.



### Hyper Filtration Efficiency

With filtration efficiency in the 3 to 5 micron range, Tubidex's enhanced performance results in down stream cost savings for chemicals, filter cartridges, membrane cleaning, membrane life, etc.

### Superior Water Clarity

Traditional sediment filtration media rely on mechanical straining to remove suspended solids for turbidity reduction. Turbidex™ filtration media incorporates straining as well as ion exchange, sedimentation and flocculation to produce crystal clear water down to <0.1 NTU of turbidity.

### Water Savings

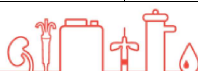
The loading capacity of Turbidex™ media is up to 1.5 times greater than multi-media and up to 2.8 times greater than sand filters. This results in longer run times with less frequent backwashing, resulting in significant water savings.

### Lightweight Media

Weighing 50-70% less than traditional medias, using Turbidex™ will result in substantial freight savings.

## Technical Data:

Dimensions (mm):	450x450x1800 (WxDxH)	Intrastat Code:	8421 99 10
Back flash flow rate:	2,1 m <sup>3</sup> /h	Maximum flow rate:	1,5 m <sup>3</sup> /h
Amount of water /rinsing	0,53m <sup>3</sup>	Valve type:	Clack Cl 1,00
Operation pressure:	2,5—6,0 bar	Shipping weight:	
Turbidex filling:	42 litre	Power supply	230 V / 50Hz / 12VAC / 500mA
Operational weight:	200 kg		



Product Group: **PREFILTRATION**

Part. No: **SP-1261**

Name: **Activated Charcoal Filter Akof 1465 1,5m<sup>3</sup>**

Version: **2.0**

## DESCRIPTION:

For reduction of organic and non-organic impurities in aqueous mediums and drinking water, reduction of odour- and taste substances and de-chlorination of drinking water.

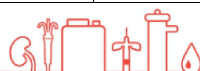
- Media: Activated Charcoal
- All valves are fully automatic in that they provide the backwash cycle at preset times
- Connection block with bypass function
- Flexible stainless steel hoses for connection



Pipe connection 1"

## Technical Data:

Dimensions (mm):	450x450x1995 (WxDxH)	Intrastat Code:	8421 21 00
Backflash flow rate:	2,0 m <sup>3</sup> /h	Maximum flow rate:	1,5 m <sup>3</sup> /h
Amount of water /rinsing	0,50m <sup>3</sup>	Valve type:	Clack CI 1,00
Operation pressure:	2,5—6,0 bar	Shipping weight:	80 Kg
Operational weight:	350 kg	Power supply	230 V / 50Hz / 12VAC / 500mA



All information is supplied without guarantee. All technical specifications subject to changes without notice.

Product Group: **Permeate / Concentrate connections**

Part. No: **SP-149**

Name: **Closing Nipple Va Dn 6 Ag 1/4 14571**

Version: **2.0**

## DESCRIPTION:

Permeate or drain connector wall-side, made of stainless steel (V4A)



All information is supplied without guarantee. All technical specifications subject to changes without notice.

## Technical Data:

Material:	Stainless Steel 316	Intrastat Code:	7307 99 10
Dimensions:	Nipple 6mm x Thread 1/4"	Weight:	50 g



Product Group: **Permeate / Concentrate connections**

Part. No: **SP-151**

Name: **Close-Off Coupling Vadn6sI9 14571**

Version: **2.0**

## DESCRIPTION:

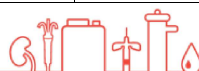
Permeate or drain connector for dialysis machine, made of stainless steel (V4A).



All information is supplied without guarantee. All technical specifications subject to changes without notice.

## Technical Data:

Material:	Stainless Steel 316	Intrastat Code:	7307 99 10
Dimensions:	Coupling 6mm x Hose nozzle 9mm	Weight:	50 g



Product Group: **Dialysis media supply (Accessories)**

Part. No: **SP-1565**

Name: **Pexa T-piece d25-1/4**

Version: **2.0**

**DESCRIPTION:**

Permeate connector with a T-section, made of Stainless Steel material.

Dimension of T-connector : 25mm Ø x 170mm length.

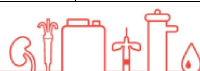
Dimension of centre connecting section to the dialysis machine: 1/4"Ø (threaded) x 13mm length.



All information is supplied without guarantee. All technical specifications subject to changes without notice.

**Technical Data:**

Material	Stainless Steel	Intrastat Code:
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Product Group: **PREFILTRATION**

Part. No: **SP-517**

Name: **Softener Duplex 45 Clack SE TT Package**

Version: **2.0**

## DESCRIPTION:

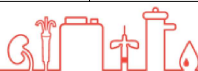
- Duplex water softener system for a continuous soft water production from iron and manganese free tap water
- 1 Computer controlled central control valve
- Regeneration based on consumption (volume controlled)
- First-glass quality cat ions exchanger resin
- Separated brine tank
- Connection block with bypass function
  
- Flexible stainless steel hoses for connecting
- Pipe connection assembly block 1"



All information is supplied without guarantee. All technical specifications subject to changes without notice.

## Technical Data:

Dimensions (cm):	1250 x 500 x 1770mm (WxDxH, without brine tank)	Intrastat Code:	8421 21 00
Weight:	150 kg	Nominal flow rate:	1,8 m <sup>3</sup> /h
Softening capacity:	180 m <sup>3</sup> x °dH	Power supply	230 V / 50Hz / 12VAC / 500mA
Operation pressure:	2,0—6,0 bar	Volume salt tank	150 L
Salt consumption:	9,9 Kg	Operational weight:	400 kg



Product Group: **PREFILTRATION**

Part. No: **SP-957**

Name: **Pressure Reducer 1**

Version: **2.0**

## DESCRIPTION:

For installation on potable water lines to reduce high inlet pressure to a lower outlet pressure. The direct acting integral bypass design prevents build-up of excessive system pressure caused by thermal expansion. The balanced piston design enables the regulator to react in a smooth and responsive manner to changes in system flow demand, while at the same time, providing protection from inlet pressure changes.

**A pressure reducer is generally required in front of a RO Medical / RO Medical BASIC**



All information is supplied without guarantee. All technical specifications subject to changes without notice.

## Technical Data:

Dimensions (cm):	25 x 15 x 30	Intrastat Code:	8481 40 90
Weight (kg):	0,8	Working pressure:	1,5—6 bar
Material:	dezincification resistant alloy bronze RG5 Pb3 DIN12502	Max. working temperature:	70°C
Connection:	1"		

