

Formular informativ despre ofertant (F3.3)

Data: "19-26" iunie 2019

Licitația Nr.: 21008886 / ocds-b3wdp1-MD-1559909178969

Pagina 1 din 3

A. Ofertanți individuali

1.	Informații generale	
1.1.	Numele juridic al ofertantului	„Intermed,, SRL
1.2.	Adresa juridică a ofertantului în țara înregistrării	Mun. Chisinău, str. Tighina 65, of. 618
1.3.	Statutul juridic al ofertantului	Persoană juridică
	• <i>Proprietate</i>	Privată
	• <i>Formă de organizare juridică</i>	Societate cu Răspundere Limitată
	• <i>Altele</i>	-
1.4.	Anul înregistrării ofertantului	18.06.2002
1.5.	Statutul de afaceri al ofertantului	
	• <i>Agent local/Distribuitor al producătorului străin</i>	Distribuitor
	• <i>Intermediar</i>	-
	• <i>Companie de antrepozit</i>	-
	• <i>Altele</i>	-
1.6.	Informația despre reprezentantul autorizat al ofertantului	
	• <i>Numele</i>	Alina Ceaicovschi
	• <i>Locul de muncă și funcția</i>	„Intermed,, SRL, Director
	• <i>Adresa</i>	Mun. Chisinău, str. Tighina 65, of. 618
	• <i>Telefon / Fax</i>	022 54 91 21
	• <i>E-mail</i>	intermed_07@mail.ru
1.7.	Numărul de înregistrare pentru TVA	0206649
1.8.	Numărul de identitate al ofertantului pentru impozitul pe venit (pentru ofertanții străini)	Nu este cazul



1.9.	Ofertantul va anexa copiile următoarelor documente:	În conformitate cu FDA3.		
2.	Informații de calificare			
2.1.	Numărul de ani de experiență generală a ofertantului în livrări de bunuri și servicii	17 ani		
2.2.	Numărul de ani de experiență specifică a ofertantului în livrarea/prestarea bunurilor și/sau serviciilor similare	17 ani		
2.3.	Valoarea monetară a livrărilor de bunuri/prestarea serviciilor similare	"Nu se aplică"		
2.4.	Disponibilitate de resurse financiare (bani lichizi sau capital circulant, sau de resurse creditare, extras din cont bancar etc.). Enumerați și anexați copiile documentelor justificative	"Nu se aplică"		
2.5.	Detalii privind capacitatea de producere / echipamente disponibile	"Nu se aplică"		
3.	Informații financiare			
3.1.	Rapoarte financiare sau extrase din bilanțul financiar, sau declarații de profit / pierderi, sau rapoartele auditorilor pentru ultimul an de activitate. Enumerați mai jos și anexați copii: Se anexează pentru a.2018			
3.2.	Denumirea, adresa, numerele de telefon, telex și fax ale băncilor care pot oferi caracteristici despre ofertant în cazul contactării de către autoritatea contractantă: Denumirea: BC „Moldova – Agroindbank,, SA, fil. M. Eminescu Adresa: Mun. Chisinau, str. Tighina 49 Telefon: 022 54 88 49 Fax: 022 54 88 49			
3.3.	Informație privind litigiile în care ofertantul este sau a fost implicat:			
	a) Orice proces pe parcursul ultimilor 3 ani:			
	Cauza litigiului	Rezultatul sau sentința și suma implicată		
	-	-		
	-	-		
	b) Procese curente, pe parcursul anului fiscal curent:			



	Cauza litigiului	Situația curentă a procesului	
	-	-	
	-	-	
Notă: Alte cerințe și detalii pot fi adăugate de către autoritatea contractantă, după caz			
-			
-			
-			
-			



Declarație privind situația personală a operatorului economic (F3.5)

“Intermed” SRL

Subsemnata Alina Ceaicovschi, reprezentant împuternicit al “Intermed” SRL (denumirea operatorului economic) în calitate de ofertant declar pe propria răspundere, sub sancțiunea excluderii din procedura de achiziție publică și sub sancțiunile aplicabile faptei de fals în acte publice, că nu mă aflu în situația prevăzută la art. 18 din Legea privind achizițiile publice nr. 131 din 03.07.2015, respectiv în ultimii 5 ani nu am fost condamnat prin hotărâre definitivă a unei instanțe judecătorești pentru participarea la activități ale unei organizații criminale, pentru corupție, fraudă și/sau spălare de bani.

Subsemnatul declar că informațiile furnizate sunt complete și corecte în fiecare detaliu și înțeleg că autoritatea contractantă are dreptul de a solicita, în scopul verificării și confirmării declarațiilor, orice documente doveditoare de care dispun.

Subsemnata, Alina Ceaicovschi reprezentant împuternicit al “Intermed” SRL (denumirea operatorului economic), în calitate de ofertant/ofertant asociat, la procedura de licitație publică nr. 21008886 din 02.04.2019 pentru atribuirea contractului de achiziție publică având ca obiect Echipament medical necesar p/n sala de operatii in cadrul IMSP SR Nisporeni, declar pe propria răspundere că:

nu am intrat în faliment ca urmare a hotărârii judecătorești;

mi-am îndeplinit obligațiile de plată a impozitelor, taxelor și contribuțiilor de asigurări sociale;

nu am fost condamnat, în ultimii 3 ani, prin hotărârea definitivă a unei instanțe judecătorești, pentru o faptă care a adus atingere eticii profesionale sau pentru comiterea unei greșeli în materie profesională;

toate informațiile și documentele prezentate pentru procedura de achiziție menționată mai sus sunt veridice și autentice;

nu suntem incluși în Lista de interdicție a operatorilor economici.

Subsemnatul declar că informațiile furnizate în scopul demonstrării îndeplinirii criteriilor de calificare și selecție sunt complete și corecte în fiecare detaliu și înțeleg ca autoritatea contractantă are dreptul de a solicita, în scopul verificării și confirmării declarațiilor, orice documente doveditoare de care dispun.

Înțeleg ca în cazul în care această declarație nu este conformă cu realitatea sunt pasibil de încălcarea prevederilor legislației penale privind falsul în declarații.

Data completării: 19-26 iunie 2019

Operator economic, “Intermed” SRL

Semnatura



Declarația privind conduita etică și neimplicarea în practici frauduloase și de corupere (F3.4)

Data: "19-26" iunie 2019

Licitația Nr.: 21008886

Către: IMSP Spitalul Raional Nisporeni

"Intermed" SRL confirmă prin prezenta că:

1. Nici unul dintre angajații, companionii, agenții, acționarii, consultanții, partenerii noștri sau rudele sau asociați ai lor nu este în relații care ar fi putut considerate ca un conflict de interese, conform prevederilor din documentele de atribuire.
2. În cazul în care vom afla despre faptul unui conflict potențial, vom raporta imediat informația respectivă către autoritatea contractantă.
3. Nici unul dintre angajații, companionii, agenții, acționarii, consultanții, partenerii noștri sau rudele sau asociații ai lor nu a fost angajat în practici de corupere, escrocherie, complotare, constrângere sau alte practici anticoncurențiale în procesul pregătirii ofertei din cadrul prezentei licitații, conform prevederilor din documentele de atribuire, punctul IPO10.
4. În legătură cu procedura respectivă de licitație și cu orice contract care, eventual, ne va fi adjudecat ca rezultat al acesteia, nu au fost, nici nu vor fi efectuate nici un fel de plăți către angajații, companionii, agenții, acționarii, consultanții, partenerii noștri sau rudele lor, care sînt implicați în achiziția publică, implementarea contractului și aprobarea plăților contractuale în numele autorității contractante.

Semnat: _____

Nume: Alina Ceaicovschi

Funcția în cadrul companiei: director

Denumirea companiei: "Intermed" SRL



Formularul ofertei (F3.1)

Data depunerii ofertei: "19-26" iunie 2019

LP: 21008886 / ocde-b3wdp1-MD-1559909178969

Invitație la licitația Nr.: SIA RSAP

Alternativa Nr.: *nu sunt*

Către: IMSP Spitalul Raional Nisporeni

"Intermed" SRL declară că:

- a) Au fost examinate și nu există rezervări față de documentele de atribuire.
- b) "Intermed" SRL se angajează să furnizeze/presteze, în conformitate cu documentele de atribuire și condițiile stipulate în specificațiile tehnice și preț, următoarele bunuri și/sau servicii: Echipament medical necesar p/n sala de operații în cadrul IMSP SR Nisporeni.
- c) Suma totală a ofertei fără TVA constituie **1.087.857,00 Lei MDL**
[Un million optzeci și șapte mii opt sute cincizeci și șapte] Lei 00 bani.
- d) Suma totală a ofertei cu TVA constituie: **1.305.428,40 Lei MDL**
[Un million trei sute cinci mii patru sute douăzeci și opt] Lei 40 bani.
- e) Prezenta ofertă va rămâne valabilă pentru perioada de timp specificată în **FDA4.8.**, începând cu data-limită pentru depunerea ofertei, în conformitate cu **FDA5.2.**, va rămâne obligatorie și va putea fi acceptată în orice moment până la expirarea acestei perioade;
- f) În cazul acceptării prezentei oferte, "Intermed" SRL se angajează să obțină o Garanție de bună execuție în conformitate cu **FDA7**, pentru executarea corespunzătoare a contractului de achiziție publică.
- g) Nu sîntem în nici un conflict de interese, în conformitate cu punctul **IPO5.4**.
- h) Compania semnatară, afiliații sau sucursalele sale, inclusiv fiecare partener sau subcontractor ce fac parte din contract, nu au fost declarate neeligibile în baza prevederilor legislației în vigoare sau a regulamentelor cu incidență în domeniul achizițiilor publice, în conformitate cu punctul **IPO5.5**.

Semnat:

Nume: Alina Ceaicovschi

În calitate de: director

Ofertantul: "Intermed" SRL

Adresa: mun. Chisinau, str. Tighina 65 of. 618

Data: "19-26" iunie 2019



Specificatii de pret (F4.2)

LP: 21008886 / ocds-b3wdp1-MD-1559909178969				Data: "19-26" iunie 2019		Alternativa nr.: nu sunt			
Echipament medical necesar p/n sala de operatii in cadrul IMSP SR									
Nisporeni				Lot: 1, 5, 6.		Pagina: 1 din 1			
Cod CPV	Nr. Lot	Denumirea bunurilor si/sau a serviciilor	Unitatea de masura	Cantitatea	Pret unitar (fara TVA)	Pret unitar (cu TVA 20%)	Suma fara TVA	Suma cu TVA 20%	Termenul de livrare/prestare
1	2	3	4	5	6	7	8	9	10
33100000-1	1	Masina de anestezie	buc	1	493.225,00	591.870,00	493.225,00	591.870,00	la comanda cumparatorului in decurs de 30 zile calendaristice,
33100000-1	5	Lampa Chirurgical cu 2 sateliti	buc	1	275.090,00	330.108,00	275.090,00	330.108,00	la comanda cumparatorului in decurs de -20-30 zile calendaristice,
33100000-1	6	Masa pentru Operatii mobila	buc	1	319.542,00	383.450,40	319.542,00	383.450,40	Pentru masa de operatie este necesar minim 2 -3 luni pentru productie.
Total Oferta							1.087.857,00 lei	591.870,00 lei	



Semnati:

Numele, Prenumele: Alina Ceaicovschi

In calitate de: Director

Ofertantul: "Intermed" SRL

Adresa: mun. Chisinau, str. Tighina 65 of. 618

Numarul Licitatiei		21008886 / ocds-b3wdp1-MD-1559909178969						Data: "19-26" iunie 2019		Alternativa nr: nu sunt	
Denumirea Licitatiei		Echipament medical necesar p/n sala de operatii in cadrul IMSP SR Nisporeni						Lot: 1, 5, 6.		Pagina 1 din 1	
Cod CPV	Nr. Lot	Denumirea bunurilor si/sau a serviciilor		Modelul articolului	Tara de origine	Producatorul	Specificatia tehnica deplina solicitata de catre autoritatea contractanta	Specificatia tehnica deplina propusa de catre ofertant	Standarde de referinta		
1	2	3	4	5	6	7	8	9			
33100000-1	1	Masina de anestezie	Masina de anestezie 620 + B 125	SUA	GE Healthcare	Conform invitatiei	Conform invitatiei	Vezi Anexa 1	Certificate de conformitate		
33100000-1	5	Lampa Chirurgical cu 2 sateliti	Lampa Chirurgical cu 2 sateliti Q-Flow 4 + Q-Flow 6	Finlanda	Merivaara	Conform invitatiei	Conform invitatiei	Vezi Anexa 5	Certificate de conformitate		
33100000-1	6	Masa pentru Operatii mobila	Masa pentru Operatii mobila Practico	Finlanda	Merivaara	Conform invitatiei	Conform invitatiei	Vezi Anexa 6	Certificate de conformitate		

Numele, Prenumele: Alina Ceaicovschi

In calitate de: director

Ofertantul

Adresa: mun. Chisinau, str. Thighina 65, of.618



Mașină de anestezie

Model: Carestation 620 + B125, Țara: SUA, Producătorul: GE Healthcare.

a) Mașină de anestezie				
Descriere	Mașina de anestezie este destinată să livreze, să monitorizeze gazele anestezice și să asigure respirația artificială a pacientului în timpul actului chirurgical			
Parametru			Specificație tehnică solicitată	Specificație tehnică propusă
Prize de gaz			O2, Aer	Da O2 și Aer
Vaporizatoare, agenți	tip compatibil		Desflurane, halotan, izofluran, sevofluran	DA este compatibil cu desflurane, halotan, izofluran, sevofluran
	număr		≥2	DA 2
	interlock		da	DA
	Instalate la dispozitiv	2 unitati	da	DA 2 unități
		Izofloran	da	DA Izofloran
		Sevofluran	da	DA Sevofluran
sistem de absorbție		da	DA	
Mecanism de siguranță O2			acustică, vizuală și buton.	DA este prezent mecanisme de siguranță O2, acustic, vizual și buton
Mecanism de siguranță de amestec hipoxic			da	DA
Ventilator automat	tip pacient		Adult, pediatric, neonatal	DA este posibil de conectat, Adult, pediatric, neonatal.
	debitul de gaz maxim		120 L/min	Da 120 L/min
	moduri de ventilație		Manual/spontans, VCV, PCV, SIMV, PCV-VG	DA Manual/spontans, VCV, PCV, SIMV, PCV-VG
	volumul Tidal		da	DA
	gama , cc	minim	0, 1-1.500 ml	DA 0, 1-1.500 ml
		maxim	20 - 1.600 ml	DA 20 - 1.600 ml
	volumul minut		da	DA
	gama , L / min		≥ 30	DA 30 L/min
	frecvență , bpm	Control volum si presiune	4 to 100	DA 4 to 100 bpm
		pentru SIMV and PSVPro	2 to 60	DA 2 to 60 bpm
		Controlul/Incrementarea maxim cu pasul de	1 bpm	DA 1 bpm
	fluxul inspirator , L / min		≥3-40	DA
	Timpul de inspirație	gama	0.2 - 5.0 sec	DA 0.2 - 5.0 sec
		Controlul/Incrementarea maxim cu pasul de	0.1 sec	DA 0.1 sec
	raportul I:E	rata	minim 2:1 la 1:8	DA



		Controlul/Incrementarea maxim cu pasul de	0,5	DA	
Presiunea de inspiratie		gama	5 - 60 cmH2O	DA	
Presiunea max		gama	12 - 100 cmH2O	DA	
limita de presiune , cm H2O			Ajustabilă, <70	DA	
PEEP , cm H2O	gama		0, 4-30 cmH2O	DA	
	controlul		pasul 1 cmH2O	DA	
Sensorul de oxygen			Galvanic sau paramagnetic	DA compatibil cu ambele tipuri.	
Sensorul de flux	Tip		Autoclavabil	DA	
Sistem de autodiagnostic			testare la scurgeri, testarea circuitelor respiratorii, complianța, alimentarea cu gaz, verificarea tuturor sistemelor, controlul sensorului de oxigen și valvelor expir.	DA	
La necesitate oxigenarea cu O2 100 %			da	DA	
Sistem de baleiaj			activ sau pasiv	DA pasiv, dar daca institutiq are un sistem de activ de baleiaj se poate de conectat sistemul activ.	
Sistem de management al datelor anestezice			da	DA	
Modul de analiza a gazelor medicale si anestezice integrat în mașina de anestezie obligatoriu			da	DA	
Monitorizarea	Presiunea de aer	Alarmă de înaltă presiune	da	DA	
		Alarma presiune subatmosferică	da	DA	
		Continuarea alarma presiune	da	DA	
		Presiune scăzută / apnee	da	DA	
		Alte alarme de presiune	da	DA	
		Volumul expirator / flux	da	DA	
		Alarmă apnea	da	DA	
	Concentrația de O2		da	DA	
		Timpe de răspuns , sec	<30	DA	
	Concentrația de CO2	alarmă apnee	da (dacă monitorul CO2 este integral)	DA	
		Concentrația de NO2	DA	DA	



		Tipul de agenți	Desfluran, halothan, isofluran, sevofluran	DA	
	Monitorizare agent	Auto ID	da	DA	
		Alarmă concentrare agent	da	DA	
		Determinarea parametrului MAC	da	DA	
Monitor de pacient		Cu suport pentru pentru instalarea pe masina de anestezie	da	DA	
		Protocoloale de monitoriŃ prestabilite în dependență de sex și fīrstă.	da	DA	
		Posibilitate de inregistrarea a pacientului	da	DA	
		Posibilitate de modificare a prametrilor de vizualizare și monitorizare	da	DA	
		Prezența trendului p/u vizualizarea tuturor datelor in forma tabelara	da	DA	
		Detectarea pacemaker	da	DA	
	ECG	ritmului cardiac	da	DA	
		Numarul de derivati	3 (I, II, III)	DA	
		Gama	30 to 300 bpm	DA	
		Viteza	12.5, 25 sau 50 mm/s	DA	
		Detectarea artmiilor	da	DA	
		segment ST	da	DA	
		Tensiune sanguină neinvazivă	da	DA	
		Tensiune sanguină invazivă	da	DA	
		Temperatura	da	DA	
		Pulsoximetria	da	DA	
	Alarme	Prestabilite	da	DA	
		Posibilitatea de a modifica parametrui	da	DA	
		Acustica si vizuala	da	DA	
		Diagonala	≥12.0 inch	DA 12.1 inch	
		Rezolutia	minim 1280 x 800 pix	DA	
		Numarul de curbe vizualizate	minim 6	DA	
	Controlul	Touch screen si butoane	da	DA	
		Acumulator reincarcabil	da	DA	
		Timpul de monitorizare cu acumulator	3 h	DA	
		Compatibil cu modul de monitorizare a gazelor din masina de anestezie	da	DA	
		Porturi de comunicare	USB, RS-232C, VGA, Ethernet	DA	
	Accesorii monitor	Cablu ECG 3 fire cu cablu de conectarea la monitor	1 buc	DA	



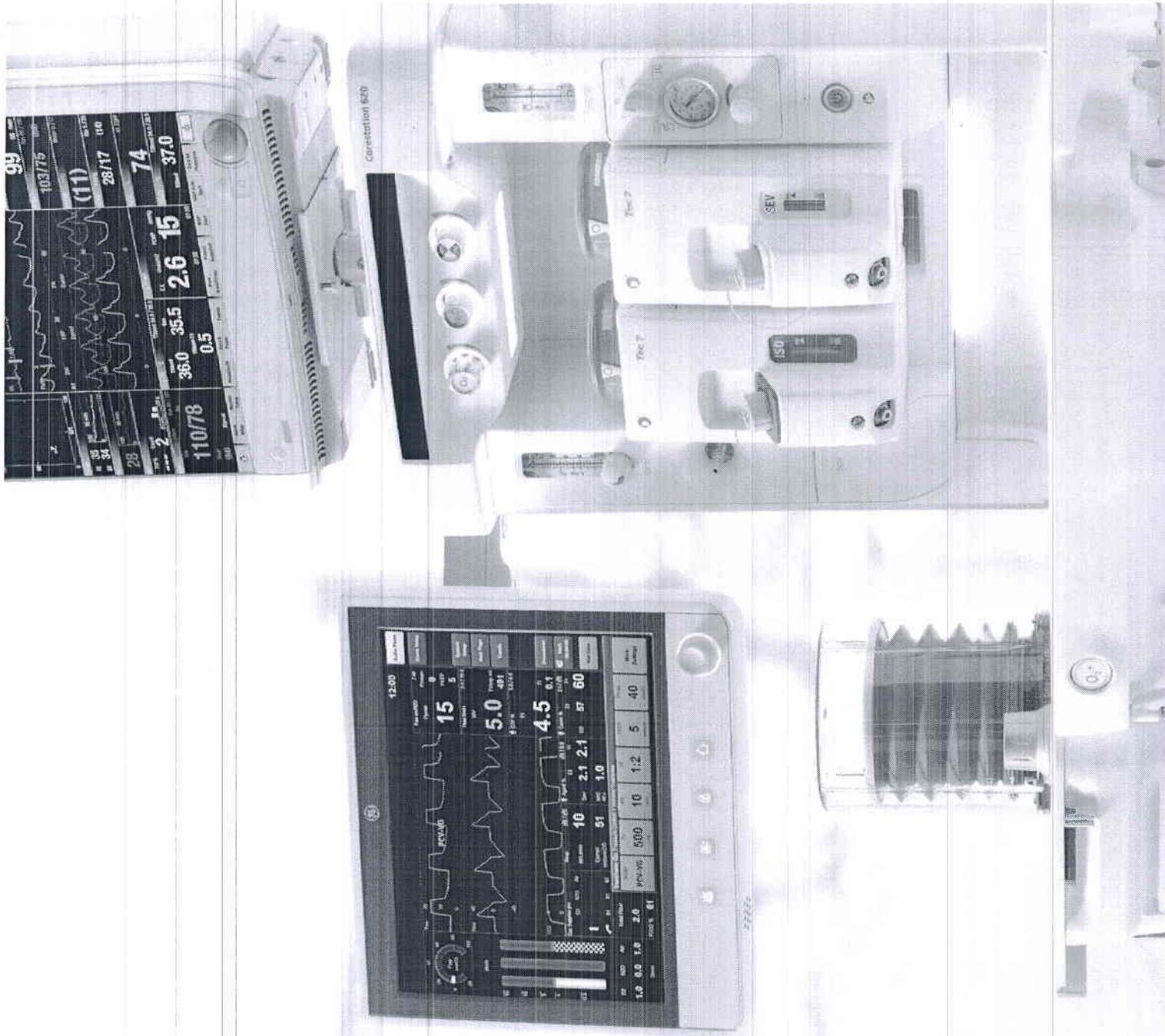
		Electrozi ECG de unica utilizare	100 buc	DA	
		Sensor SpO2 cu cablu de comunicare la monitor	1 buc	DA	
		Sensor Temperatura cu cablu de comunicare la monitor	1 buc	DA	
		Furtunul de comunicare cu NIBP si majeta	1 buc	DA	
		Majeta 3 mărimi	1 set	DA	
		Cablu IBP	1 buc	DA	
Afișor masina de anestezie	Numărul de afișoare		≥1	DA	
	Display cu tehnologie touch screen		minim 15 inch	DA	
	Rezolutia		minim 1024 x 768 pix	DA	
	Interfață cu altele		da	DA	
Alarmer prioritare			3	DA	
Tensiune de alimentare			220 V, 50 Hz	DA	
Baterie internă			Da	DA	
Presiune de alimentare cu gaz			3-6 bar	DA	
Furtune de conectare la gazele medicale O2 si Aer sub presiune			2 set	DA	
Circuit de ventilare	Adult, de unica folosinta		20	DA	
	Pediatic, de unica folosinta		5	DA	
Masca de respiratie	autoclavabila		4 buc de diferite marimi	DA	
Plamin de test	Adult, pediatic		2 buc	DA	
Absorber de multipla folosinta			1 buc	DA	
Filtru antibacterial			100 buc	DA	
Porturi de comunicare la masina de anestezie	RS-232C		da	DA	
	USB port		da	DA	
	VGA Output		da	DA	
Carcasa/ troleul masinei de anestezie	Suport mobil		4 roti	DA	
	Frine		4	DA	
	cu minere pentru deplasarea comoda		da	DA	
Manual de utilizare în limba română			Da, Se va prezenta la livrare	DA	



GE Healthcare

Simple. Smart. Agile.

Carestation™ 620

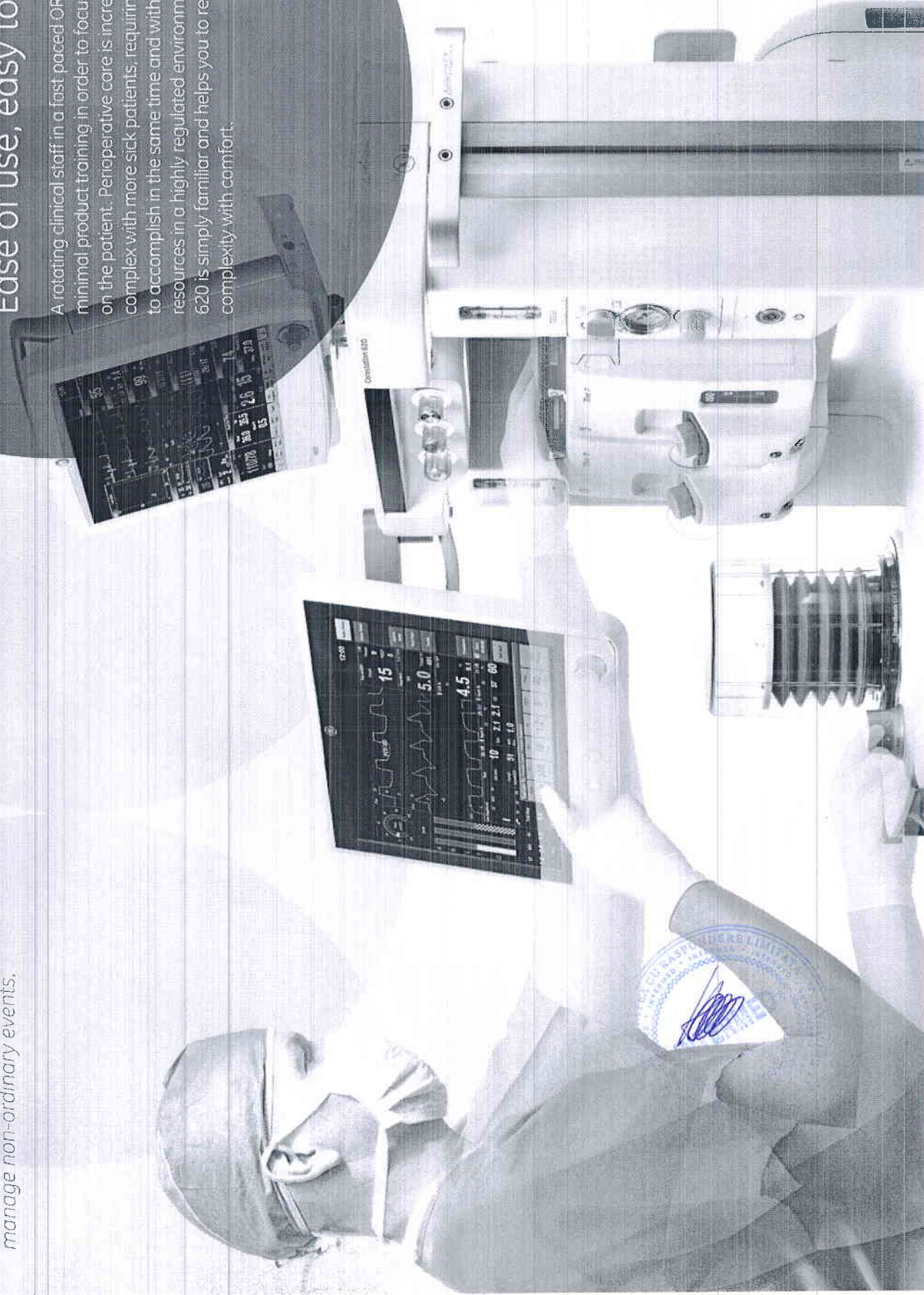


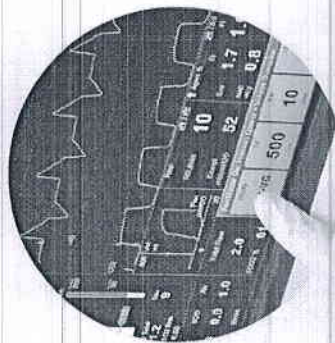
Carestation 620 is a reliable and agile anaesthesia solution with smart tools to help simplify your daily work and manage non-ordinary events.

Simple.

Ease of use, easy to learn.

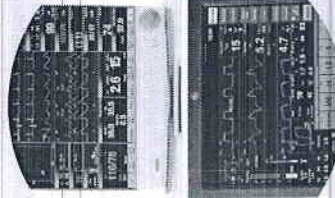
A rotating clinical staff in a fast paced OR requires minimal product training in order to focus more time on the patient. Perioperative care is increasingly complex with more sick patients, requiring more tasks to accomplish in the same time and with the same resources in a highly regulated environment. Carestation 620 is simply familiar and helps you to reduce part of this complexity with comfort.





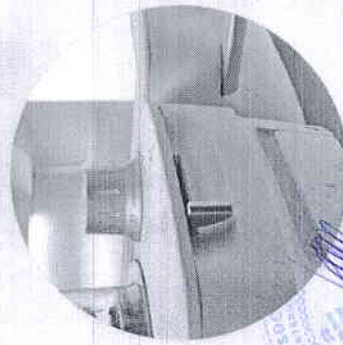
Intuitive Navigation

15" screen with quick touch controls. Direct access to operations without menu overlap. Highly configurable screen. Simple access to specific OR tasks re-grouped in a dedicated menu.



Unified User Interface

Carestation 620 features a unified CARESCAPE user interface between ventilator and patient monitors to flatten the learning curve and help reduce the risk of errors.



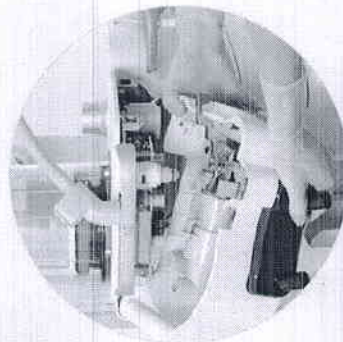
APT and switch

Primary controls are comfortably within reach to speed up operations, help eliminate stretching and awkward positions.



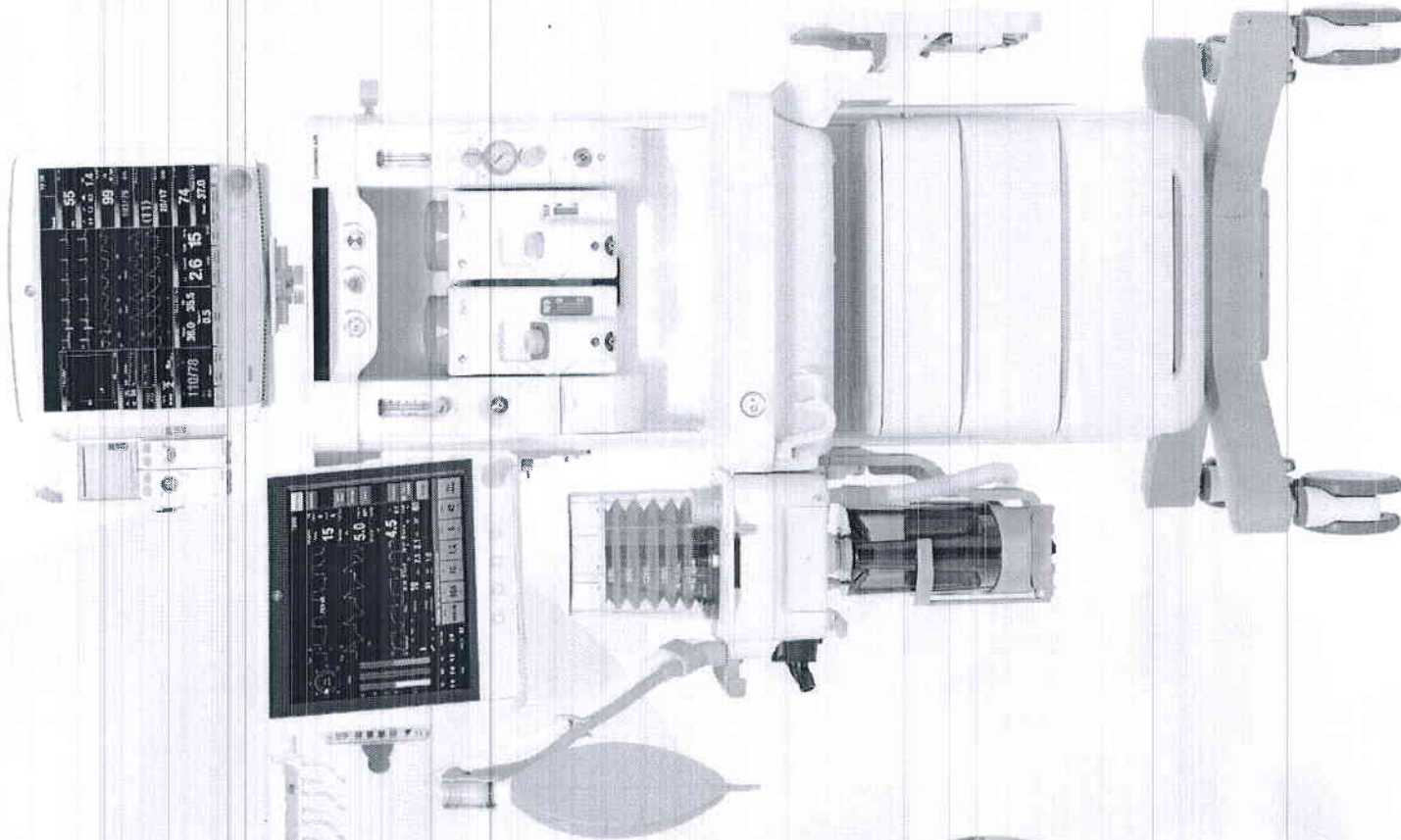
Interactive system check

The daily checkout process is as simple and quick as it is thorough. It is interactive with traffic light step-by-step on screen guidance.



Breathing circuit cassette

Breathing circuit that can be quickly dismantled without the use of tools. Minimal components to clean, to meet high hygienic standards.

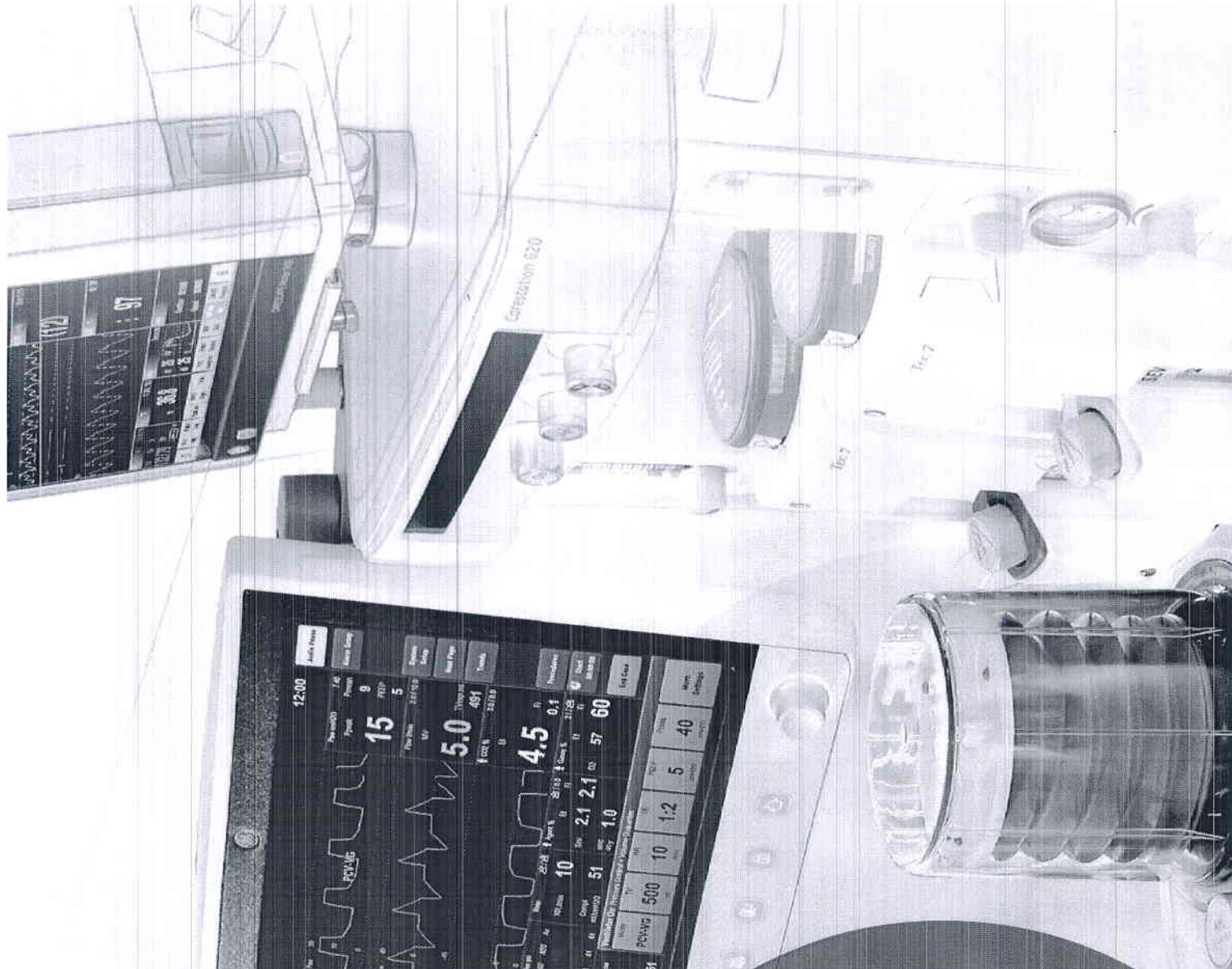
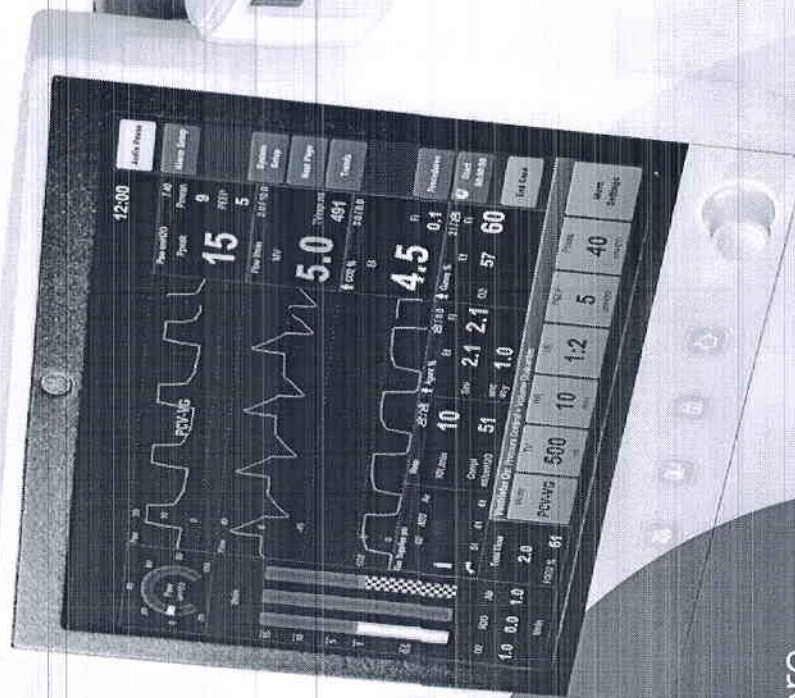


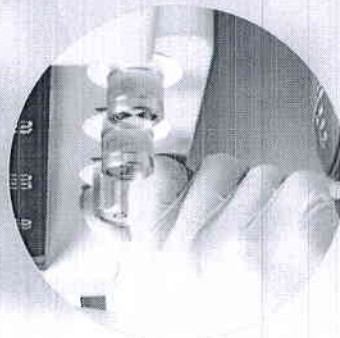
Smart.

Intelligent tools to give you more confidence in your daily work.

The industry role is fundamental to help prevent device misuse. GE is committed to building innovative anaesthesia solutions that balance user interface design with intelligent tools to help clinicians prevent misuse and medical errors. The best way to demonstrate effectiveness in preventing errors is to not let them happen.

Carestation 620 offers smart tools to simplify daily work and help ensure effective reactions to non-ordinary events. When seconds count, active mechanisms can help clinicians better manage non-ordinary events.





Intelligent lighting controls

Automatic lighting on all flow controls provide information on the active ones. A clear indicator on the next step to follow can help avoid incorrect maneuvers.



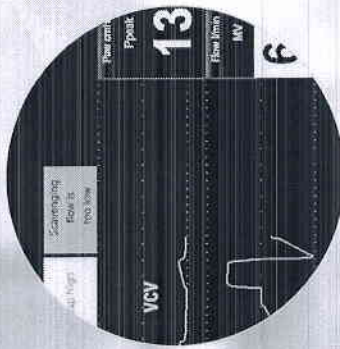
Clear active case notifications

Automatic patient case activation when switching from manual to automatic ventilation. Visible and clear stand-by screen notification.



ACGO protective mechanism

ACGO port has a protective lid to avoid misconnection. By switching on the ACGO, a dedicated screen is automatically activated to visually reinforce which port is in use. This visible alert will remain until the ACGO is on.



Scavenging alert

An alarm with a notification on the screen alerts the staff when scavenging gas flow is out of range. It will help detect incorrect gas evacuation.

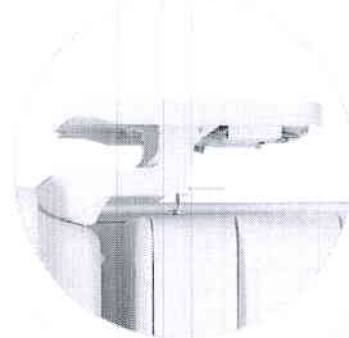
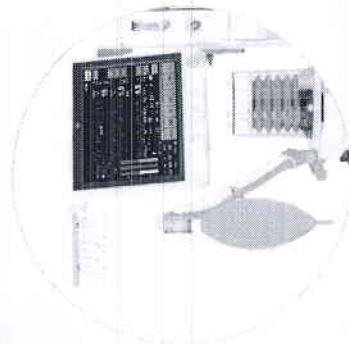
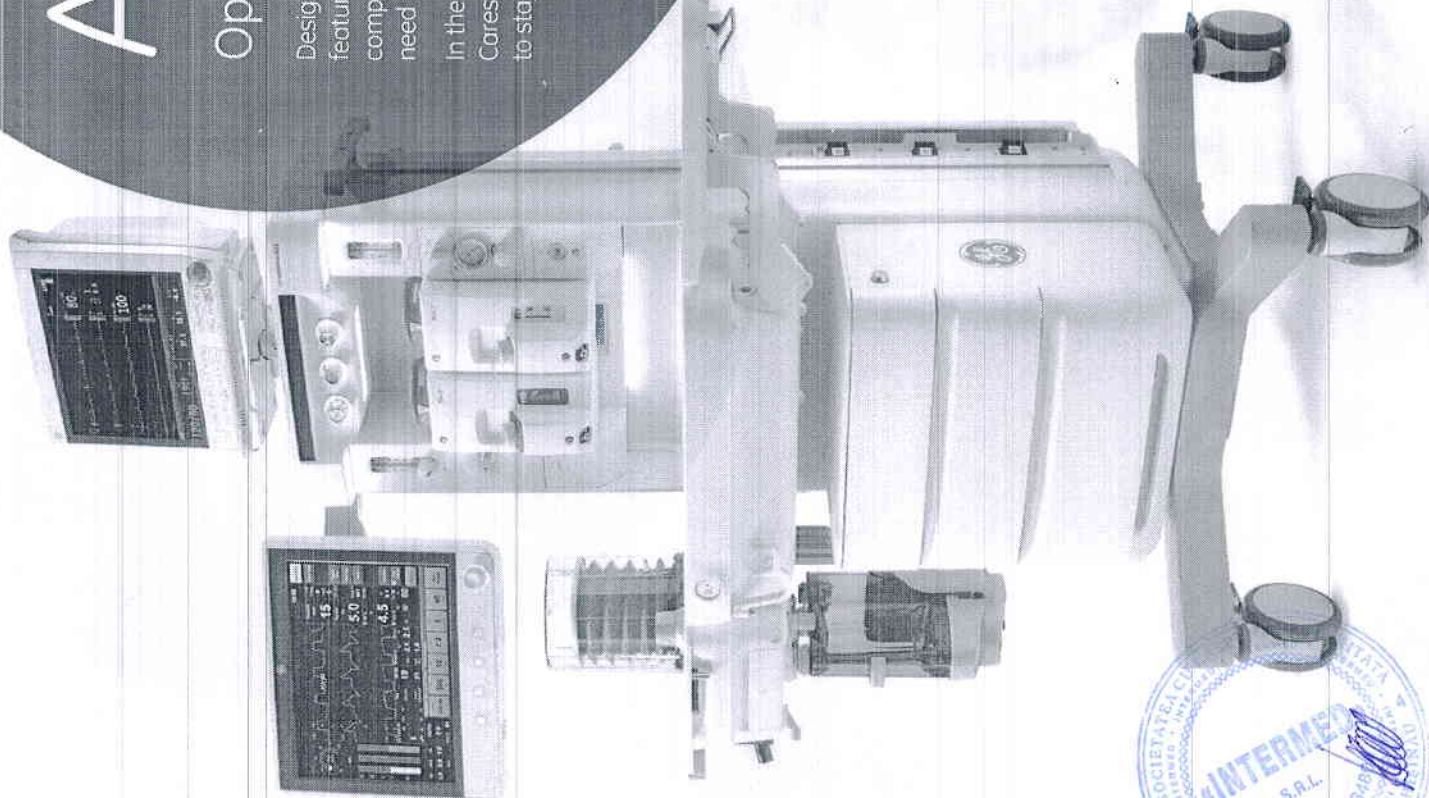


Agile.

Optimizing the workspace.

Designed with essential flexibility in mind, the Carestation 620 features cutting-edge technology and head-turning design in a compact and transport-friendly system that can go where you need it.

In the operating theater world that keeps getting smaller, Carestation 620 precisely meets the space constraints needed to stay nice and roomy.



Variety of supports

Supports for additional devices and accessories to keep lines and cables tidy in place.

Workspace optimization

Great work surfaces, additional flip desk. Ample drawers. Bi-level surface illumination.



Reliable.

Making better possible for over a century.

20,000 Hours of reliability and endurance testing – equal to over 8 million simulated cases¹.



500,000+
Hardware
component cycles



17,000,000+
Software actions
stress test



-60° to +120° C
Extreme
temperature
testing



Rigorous
interference and
shock testing



Stability and tip
testing under
harsh conditions



Industry-leading
Lean Six Sigma
manufacturing



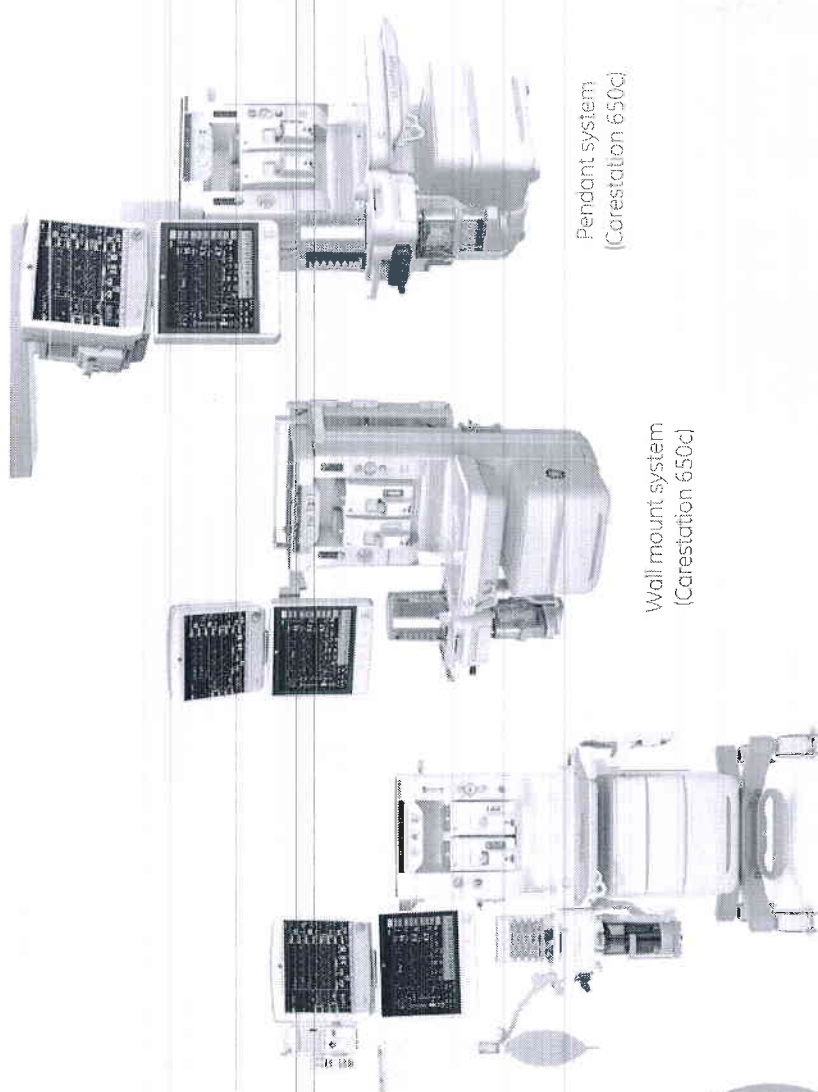
120,000,000+
Flow sensor tests



1,000,000,000+
Flow valve cycles



250,000+
Hardware and
software reboot
cycles



Carestation 650

Wall mount system
(Carestation 650c)

Pendant system
(Carestation 650c)

Carestation 600 Series Carestation 620/650/650c

Every single detail of the Carestation 600 Series has been in the center of rigorous engineering actions for development and verification. This has involved systematic design rigor, reviews, and the implementation of reliability growth methods like stressing and testing software and hardware to emulate extreme operational conditions.





GE Healthcare provides transformative medical technologies and services that are shaping a new age of patient care.

Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost.

In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

1 GE internal verification and validation testing report 2015
DOC1677887

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JB31921XE



GE Imagination at work

Carestation™ 620

Simple. Smart. Agile.

Carestation 620 is a reliable and agile anaesthesia solution with smart tools to help simplify your daily work and manage non-ordinary events.

Key Features

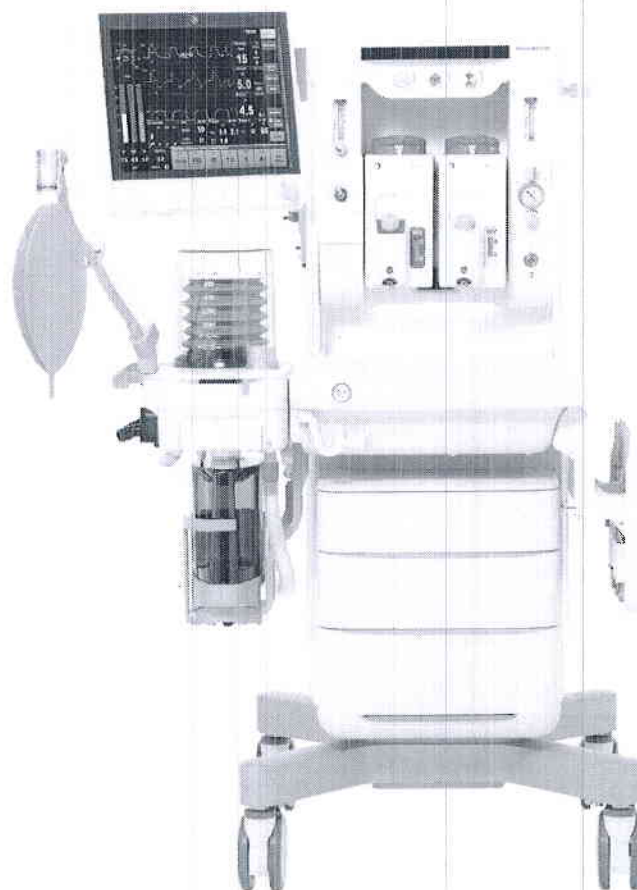
- Elegant modern design in a slim, compact frame well suited for constrained environments
- Simple and easy to use 15" touchscreen ventilator display
- Intuitive CARESCAPE™ inspired user interface for the unified Carestation user experience
- Integrated Respiratory Module

Ventilation

- Small, compact breathing system specifically designed for low flow anaesthesia
- Fast gas kinetics for rapid wash-in and wash-out
- Digitally controlled flow valve ventilator supports all patient types from neonates to adults
- Continual fresh gas flow with fresh gas flow compensation during mechanical ventilation

Design

- Durable wheels for mobility and stability
- Robust and easy to clean surfaces
- Top shelf display mounting
- Two vaporizer configuration
- Bi-level work surface illumination
- Absorbent canister designed for ease of use and long life
- Intelligent lighting that highlights active flow controls and auxiliary ports when in use



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Physical Specifications

Product Description

Carestation 620 A1

Dimensions

Height: 135 cm/53.1 in
Width: 82.5 cm/32.4 in
Depth: 69.1 cm/ 27.2 in
Weight: 145 kg/320 lb*

Top shelf

Weight limit: 25 kg/55 lb
Width: 41.3 cm/16.3 in
Depth: 27.0 cm/10.6 in

Work surface

Height: 83.6 cm/32.9 in
Size: 1930 cm²/299 in²
Size: 2950 cm²/471 in²
(with optional flip shelf)

Upper left Datex-Ohmeda (DO) dovetail

Dovetail length: 54 cm/21.3 in

Lower left Datex-Ohmeda (DO) dovetail

Dovetail length: 28 cm/11.0 in

Right Datex-Ohmeda (DO) dovetail

Dovetail length: 96.4 cm/38.0 in

Drawers (optional) (internal dimensions)

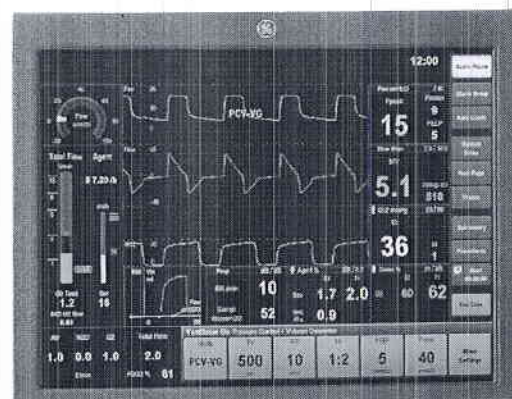
Height:
Top and middle: 8.6 cm/3.4 in
Bottom: 13.3 cm/5.2 in
Width: 34 cm/13 in
Depth: 37 cm/14.6 in

Manual ventilation bag arm (optional)

Arm length: 39.8 cm/15.7 in
Bag arm height
(adjustable): 53 cm/20.9 in
136 cm/53.5 in

Casters

Diameter: 12.5 cm/4.9 in
Brakes: Caster Brakes



Ventilator Operating Specifications

Modes of ventilation – included

VCV (Volume Control) Mode with tidal volume compensation

Modes of ventilation – optional

PCV (Pressure Control Ventilation)
PCV-VG (Pressure Controlled Ventilation-Volume Guarantee)
SIMV (Synchronized Intermittent Mandatory Ventilation)
(volume and pressure)
PSVPro™ (Pressure Support with Apnea backup)

Advanced software options

Spirometry
VCV Cardiac Bypass

*Excludes vaporizers, airway gas module, patient monitor and wall mount bracket.

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Ventilator parameter ranges

Tidal volume range:	5 to 1500ml (PCV modes 5 to 1500ml) (Volume Control, PCV-VG and SIMV volume 20 to 1500ml)
Incremental settings:	20 to 50 mL (increments of 1 mL) 50 to 100 mL (increments of 5 mL) 100 to 300 mL (increments of 10 mL) 300 to 1000 mL (increments of 25 mL) 1000 to 1500 mL (increments of 50 mL)
Minute volume range:	Less than 0.1 to 99.9 L/min
Pressure (P_{inspired}) range:	5 to 60 cmH ₂ O (increments of 1 cmH ₂ O) above set PEEP
Pressure (P_{max}) range:	12 to 100 cmH ₂ O (increments of 1 cmH ₂ O)
Pressure (P_{support}) range:	Off, 2 to 40 cmH ₂ O (increments of 1 cmH ₂ O)
Respiratory Rate:	4 to 100 breaths per minute for Volume Control and Pressure Control; 2 to 60 breaths per minute for SIMV, and PSVPro (increments of 1 breath per minute)
Inspiratory/ expiratory ratio:	2:1 to 1:8 (increments of 0.5) (VCV, PCV, PCV-VG)
Inspiratory time:	0.2 to 5.0 seconds (increments of 0.1 seconds) (SIMV, and PSVPro)
Trigger window:	Off, 5 to 80% of Texp (SIMV, PSVPro) (increments of 5%)
Flow trigger:	1 to 10 L/min (increments of 0.5 L/min) 0.2 to 1 L/min (increments of 0.2 L/min)
Inspiration termination level:	5 to 75% (increments of 5%)
Inspiratory Pause range:	Off, 5-60% of Tinsp

Positive End Expiratory Pressure (PEEP)

Type:	Integrated, electronically controlled
Range:	OFF, 4 to 30 cmH ₂ O (increments of 1 cmH ₂ O)

Ventilator performance

Peak gas flow:	120 L/min + fresh gas flow
Flow valve range:	1 to 120 L/min
Flow compensation range:	100 mL/min to 15 L/min

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Ventilator Accuracy

Delivery/monitoring accuracy

Volume delivery:	> 210 mL = better than 7% ≤ 210 mL = better than 15 mL < 60 mL = better than 10 mL
Pressure delivery:	±10% or ±3 cmH ₂ O (larger of)
PEEP delivery:	±1.5 cmH ₂ O
Volume monitoring:	> 210 mL = better than 9% ≤ 210 mL = better than 18 mL < 60 mL = better than 10 mL
Pressure monitoring:	±5% or ±2.4 cmH ₂ O (larger of)

Alarm settings

Tidal volume (V_{T}):	Low: OFF, 1 to 1500 mL High: 20 to 1600 mL, OFF
Minute volume (V_{E}):	Low: OFF, 0.1 to 10 L/min High: 0.5 to 30 L/min, OFF
Inspired oxygen (FiO_2):	Low: 18 to 99% High: 19 to 100%, OFF
Apnea alarm:	Mechanical ventilation ON: < 5 mL breath measured in 30 seconds Mechanical ventilation OFF: < 5 mL breath measured in 30 seconds
Low airway pressure:	4 cmH ₂ O above PEEP
High pressure:	12 to 100 cmH ₂ O (increments of 1 cmH ₂ O)
Sustained airway pressure:	Mechanical ventilation ON: $P_{\text{max}} < 30 \text{ cmH}_2\text{O}$, the sustained limit is 6 cmH ₂ O $P_{\text{max}} 30 \text{ to } 60 \text{ cmH}_2\text{O}$, the sustained limit is 20% of P_{max} $P_{\text{max}} > 60 \text{ cmH}_2\text{O}$, the sustained limit is 12 cmH ₂ O PEEP and mechanical ventilation ON: Sustained limit increases by PEEP minus 2 cmH ₂ O Mechanical ventilation OFF: $P_{\text{max}} 12 \text{ to } 60 \text{ cmH}_2\text{O}$, the sustained limit is 50% of P_{max} $P_{\text{max}} > 60 \text{ cmH}_2\text{O}$, the sustained limit is 30 cmH ₂ O
Subatmospheric pressure:	$P_{\text{aw}} < -10 \text{ cmH}_2\text{O}$
Audio pause countdown clock:	120 to 0 seconds



Ventilator Components

Flow transducer

Type:	Variable orifice flow sensor (autoclavable)
Location:	Inspiratory outlet and expiratory inlet

Oxygen sensor

Type:	Optional galvanic fuel cell or paramagnetic with Airway Module option
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Ventilator screen

Display size:	15 inch
Pixel format:	1024 x 768

Battery backup

Backup power:	Demonstrated battery time is 90 minutes when fully charged, which supports full system functionality and ventilation.
Battery type:	Internal rechargeable sealed lead acid

Communication ports

RS-232C compatible serial interface
Ethernet
Datex-Ohmeda device interface solutions port
USB port
VGA Output

Anesthetic Agent Delivery

Delivery

Vaporizers:	Tec™ 6 Plus, Tec 7
Number of positions:	2
Mounting:	Tool-free installation Selectatec™ manifold interlocks and isolates vaporizers

Airway Modules

General

E-sCAiO, E-sCAiOV, N-CAiO	
Size (HxWxD), excluding water trap: 113 x 38 x 205 mm/4.4 x 1.5 x 8.1 in	
Weight:	0.7 kg/1.5 lb
Sampling rate:	120 mL/min $\pm$ 20 mL
Automatic compensation for atmospheric pressure variation (495 to 795 mmHg) temperature and CO ₂ /N ₂ O and CO ₂ /O ₂ collision broadening effect. Parameter display update interval typically breath-by-breath. Functional alarms for blocked sample line, D-fend check and D-fend replacement.	

Non-disturbing gases:

Ethanol, acetone, isopropanol, methane, nitrogen, nitric oxide, carbonmonoxide, water vapor, freon R134A (for CO ₂ , O ₂ and N ₂ O):	
Maximum effect on readings:	CO ₂ < 0.2 vol %; O ₂ , N ₂ O < 2 vol %, AA < 0.15 vol%

Carbon dioxide (CO₂)

EtCO ₂ :	End-tidal CO ₂ concentration
FICO ₂ :	Inspired CO ₂ concentration

CO₂ waveform

Measurement range:	0 to 15% (0 to 15 kPa, 0 to 113 mmHg)
Accuracy:	$\pm$ 0.2 vol % + 2 % of reading
Datex-Ohmeda infrared sensor	
Adjustable low and high alarm limits for EtCO ₂ and FICO ₂	

Respiration rate (RR)

Measurement range:	4 to 100 breaths/min
Detection criteria:	1% variation in CO ₂
Adjustable low and high alarm limits for respiration rate; alarm for apnea	

Patient Oxygen (O₂)

FiO ₂ :	Inspired O ₂ concentration
EtO ₂ :	End-tidal O ₂ concentration
FiO ₂ -EtO ₂ :	Inspired-expired difference

O₂ Measurement

Measurement range:	0 to 100%
Accuracy:	$\pm$ 1 vol % + 2 % of reading
Datex-Ohmeda differential paramagnetic sensor	
Adjustable low and high alarm limits for FiO ₂ and EtO ₂ ; alarm for FiO ₂ < 18%	

Nitrous Oxide (N₂O)

Measurement range: 0 to 100%
Accuracy: ± 2 vol % +2 % of reading

Anesthetic Agent (AA)

Halothane, Isoflurane, Enflurane

Measurement range: 0 to 6%
Accuracy: $\pm(0.15 \text{ vol\%} + 5\% \text{ of reading})$

Sevoflurane

Measurement range: 0 to 8%
Accuracy: $\pm(0.15 \text{ vol\%} + 5\% \text{ of reading})$

Desflurane

Measurement range: 0 to 20%
Accuracy: $\pm(0.15 \text{ vol\%} + 5\% \text{ of reading})$

Waveform displayed

MAC value displayed (Airway Gas Option modules)

MACage value displayed (CARESCAPE modules)

Identification threshold: 0.15 vol%**

Agent mixture detection

Adjustable high and low alarm limits for EtAA, FiAA

Patient Spirometry™ (optional)

Pressure-volume loop

Pressure-flow loop

Flow-volume loop

Airway pressure and flow waveforms

Adjustable low and high alarm limits for P_{peak} , $PEEP_{\text{tot}}$ and MV_{exp}

Alarms for $MV_{\text{exp}} \ll MV_{\text{insp}}$ and for MV_{exp} low. Detection through D-lite™ or Pedi-lite™ flow sensor and gas sampler with following specifications:

CARESCAPE Airway Modules

	D-lite(+)	Pedi-lite(+)
Respiration rate:	4 to 35 breaths/min	4 to 70 breaths/min

Tidal volume

	D-lite(+)	Pedi-lite(+)
Measurement range:	150 to 2000 mL	5 to 300 mL
Accuracy**:	$\pm 6\%$ or 30 mL	$\pm 6\%$ or 4 mL

Minute volume

	D-lite(+)	Pedi-lite(+)
Measurement range:	2 to 20 L/min	0.1 to 5 L/min

Airway pressure

	D-lite(+)	Pedi-lite(+)
Measurement range:	-20 to +100 cmH ₂ O	
Accuracy**:	± 1 cmH ₂ O	
Display units:	cmH ₂ O, mmHg, kPa, mbar, hPa	

Flow

	D-lite(+)	Pedi-lite(+)
Measurement range:	-100 to 100 L/min	-25 to 25 L/min

I:E

	D-lite(+)	Pedi-lite(+)
Measurement range:	1:4.5 to 2:1	

Compliance

	D-lite(+)	Pedi-lite(+)
Measurement range:	4 to 100 mL/cmH ₂ O	1 to 100 mL/cmH ₂ O

Airway resistance

	D-lite(+)	Pedi-lite(+)
Measurement range:	0 to 200 cmH ₂ O/L/s	

Sensor specifications

	D-lite/ D-lite(+)	Pedi-lite/ Pedi-lite(+)
Dead Space:	9.5 mL	2.5 mL
Resistance at 30 L/min:	0.5 cmH ₂ O	
Resistance at 10 L/min:		1.0 cmH ₂ O

Electrical Specifications

Current leakage

100/120 V:	< 300 μ A
220/240 V:	< 500 μ A

Power

Power input:	100-120 Vac, 50/60 Hz 220-240 Vac, 50/60 Hz 120/220-240 Vac $\pm 10\%$, 50-60 Hz
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Power cord:

Length:	5 m/16.4 ft
Rating:	10A @ 220-240 Vac or 15A @ 100-120 Vac 10A @ 120/220-240 Vac

Inlet modules

100/120 V:	
Without outlets:	2A
With outlets:	10A
220/240 V:	
Without outlets:	1A
With outlets:	5A

Outlet modules (optional)

100/120 V:	3 outlets on side 1-3A, 2-2A individual breakers, isolation transformer (optional)
220/240 V:	3 outlets on side 1-2A, 2-1A individual breakers, isolation transformer (optional)
120/220-240 V:	No outlets



Pneumatic Specifications

Auxiliary O₂ (optional)

Connection:	7-10 mm hose barb port
O ₂ concentration range:	100% O ₂
Flow range:	0 to >10 L/min

Auxiliary common gas outlet (optional)

Connector:	ISO 22 mm OD and 15 mm ID
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Gas supply

Pipeline input range:	280 kPa to 600 kPa (41 psig to 87 psig)
Pipeline connections:	DISS-male, DISS-female, AS4059, S90-116, or NIST All fittings available for O ₂ , N ₂ O, and Air, and contain pipeline filter and check valve. Secondary O ₂ pipeline inlet available. Cylinder input: Pin indexed in accordance with CGA-V-1 or DIN-477 (nut and gland); contains input filter and check valve. Large cylinder kit available for O ₂ and N ₂ O (with DIN-477).

Note: Maximum 3 cylinders

Primary regulator diaphragm minimum burst pressure:	2758 kPa/400 psig
Primary regulator nominal output:	≤ 345 kPa/50 psig Pin indexed cylinder connections ≤ 414 kPa/60 psig DIN-477 cylinder connections

O₂ controls

Method:	N ₂ O shut off with loss of O ₂ pressure
Supply failure alarm:	< 252 kPa (36.55 psig)
O ₂ flush:	Range: 25 to 75 L/min

Fresh gas

Flow range:	
for O ₂ and Air:	0 and 100 mL/min to 15 L/min (minimal flow capable)
for N ₂ O:	0 and 100 mL/min to 10 L/min
Pneumatic Total Flow Tube:	1 to 10 L/min
Measurement accuracy	
for O ₂ , Air and N ₂ O:	±6% of measured value, or ±25 mL/min (larger of)
for Total Flow tube:	±5% of full scale (larger of) at 100% O ₂

O ₂ concentration range:	21% to 100% when Air is available
O ₂ Cell accuracy:	±2.5% plus 2.5% of reading
Compensation:	Temperature and atmospheric pressure compensated to standard conditions of 20°C and 101.3 kPa
Hypoxic guard:	Mechanical Link-25: Provides a nominal minimum 25% concentration of oxygen in O ₂ /N ₂ O mixture.

Materials

All materials in contact with patient breathing gases are not made from natural rubber latex.

Environmental Specifications

System operation

Temperature:	10° to 40°C (50° to 104°F)
Humidity:	15 to 95% relative humidity (non-condensing)
Altitude:	-440 to 3565 m (500 to 800 mmHg)

System storage

Temperature:	-25° to 60°C (-13° to 140°F)
Humidity:	15 to 95% relative humidity (non-condensing)
Altitude:	-440 to 4880 m (425 to 800 mmHg)
Oxygen cell storage:	-15° to 50°C (5° to 122°F) 10 to 95% relative humidity 500 to 800 mmHg

Electromagnetic compatibility

Immunity:	Complies with all applicable requirements of EN 60601-1-2
Emissions:	CISPR 11 group 1 class A
Approvals:	AAMI ES60601-1, CSA C22.2 #601.1, EN/IEC 60601-1, ISO 80601-2-13
European Notified Body CE Mark:	CE0197



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Breathing Circuit Specifications

Carbon dioxide absorbent canister

Absorbent capacity: Reusable canister 1370 mL/1150 g
Disposable canister 1437 mL/1200 g

Ports and connectors

Exhalation: 22 mm OD ISO
15 mm ID taper
Inhalation: 22 mm OD ISO
15 mm ID taper
Bag port: 22 mm OD (15 mm ID), ROW
22 mm ID, Australia

Bag-to-Ventilator switch

Type: Bi-stable
Control: Controls ventilator and direction of breathing gas within the circuit

Integrated Adjustable Pressure Limiting (APL) valve

Range: 0.5 to 70 cmH₂O
Tactile knob indication at: 30 cmH₂O and above
Adjustment range of rotation: 0.5 to 30 cmH₂O (0 to 230°)
30 to 70 cmH₂O (230 to 330°)

Materials

All materials in contact with exhaled patient gases are autoclavable, except O₂ cell, and Airway Modules.
All materials in contact with patient gas are not made from natural rubber latex.

Breathing circuit parameters

Compliance:
Bag mode: 1.81 mL/cmH₂O
(filled disposable absorber canister)
1.74 mL/cmH₂O
(filled reusable absorber canister)
Mechanical mode: Automatically compensates for compression losses within the absorber and bellows assembly
Volume: 2006 mL Ventilator side
500 mL Bag side
1004 mL Reusable canister
985 mL Disposable canister

Expiratory resistance in bag mode:

Flow rate

Flow rate	P_{exp} Absorber canister Installed	P_{exp} Absorber canister Removed
5 L/min	0.57 cmH ₂ O	0.57 cmH ₂ O
30 L/min	2.47 cmH ₂ O	2.47 cmH ₂ O
60 L/min	5.60 cmH ₂ O	5.60 cmH ₂ O

Note: Values include patient circuit tubing and wye piece (0.65 cmH₂O at 60 L/min)

Anesthetic gas scavenging

AGSS Type	Hospital extract system required	Machine connection
High vacuum, low flow:	High vacuum 36 L/min @ 12 in Hg (305 mmHg)	SIS evac
High vacuum, low flow:	High vacuum 25- 30 L/min @ 12 inHg (305 mmHg)	DISS evac
Low vacuum, high flow:	Low vacuum 55 to 65 L/min	BSI 30 mm threaded
Low vacuum, low flow:	36 L/min	12.7 mm hose barb, 25 mm hose barb, or 30 mm ISO taper
Passive:	Passive system with air break	30 mm/1.2 in M ISO taper



Imagination at work

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www.gehealthcare.com

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Not for sale in all markets. Please check with your sales representative. Always refer to the complete instructions manuals before use.

Datex-Ohmeda, Inc. a General Electric Company.

This document applies to Carestation 620 A1

DOC1649440 Rev3 11/15





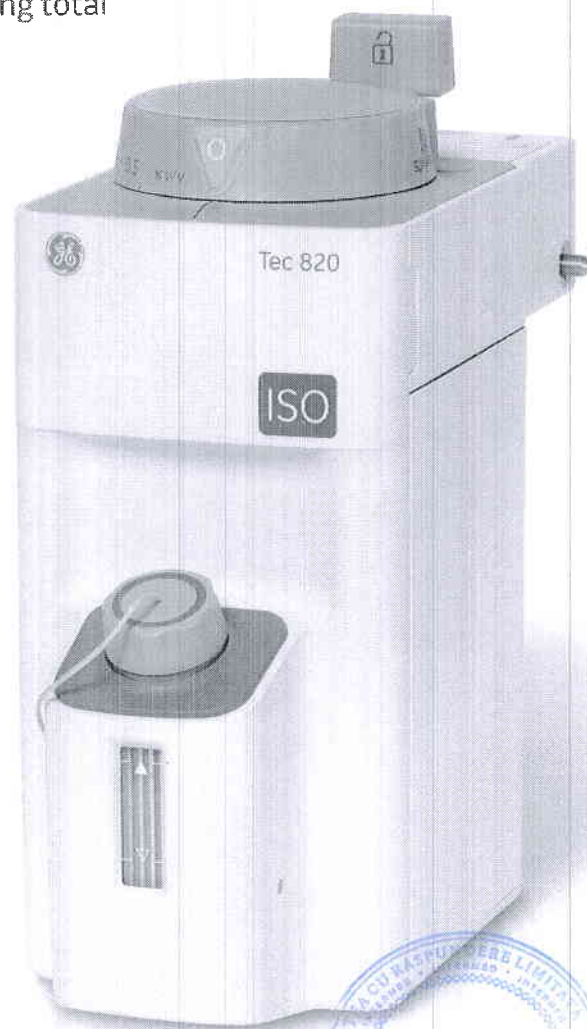
Tec 820 Vaporizer

Combining clinical performance with ergonomic design

The agent specific Tec™ 820 Vaporizer from GE Healthcare delivers isoflurane and sevoflurane effectively and efficiently. Each Tec 820 presents an improved ergonomic design, with consistent agent delivery and reliability while reducing total cost of ownership

Features

- Tec 820 agent specific vaporizers are designed to deliver isoflurane and sevoflurane anesthetic agents
- Provides output consistent with the dial setting throughout the clinical flow range
- Easy to turn dial and fine graduations help control agent delivery
- Enhanced design with consistent, reliable operation over the product life
- Tec 820 vaporizer supports the Easy-Fil agent filling mechanism
- Improved ergonomics and contemporary design complements GE Healthcare's anesthesia systems
- Attaches to GE Healthcare interlocking Selectatec™ manifold
- No planned factory service needed
- Three-year warranty



gehealthcare.com

Clinical performance

- Tec 820 Vaporizers are designed to provide consistent output throughout the clinical flow range from 200 ml/min to 15 l/min. Models are available for Isoflurane and sevoflurane.
- Tec 820 Vaporizers are equipped with a large diameter control dial with graduations up to 5% v/v (isoflurane models) or 8% v/v (sevoflurane models).
- The easy turning dials and small graduations on the Tec 820 Vaporizer help you fine tune anesthetic delivery over the full range of dial settings and flow rates.

Enhanced ergonomics

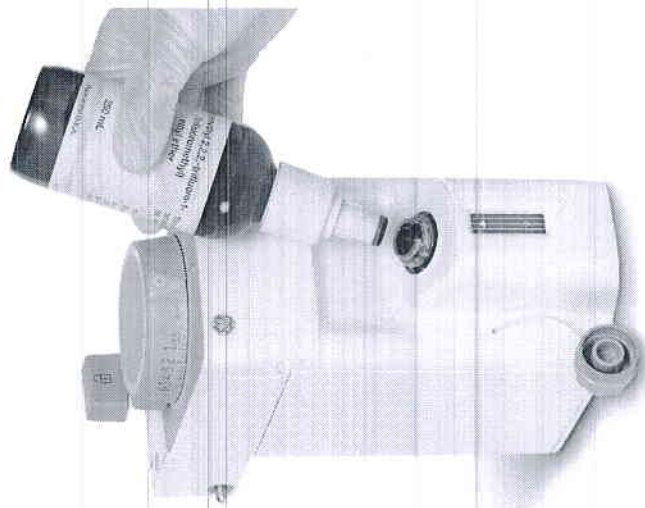
- The ergonomic dial release on the Tec 820 Vaporizer allows either left or right hand operation.
- Wide, centered liquid level indicator provides a clear indication of the fill level of the vaporizer.
- Easy to turn dial with enhanced readability.

Lower overall ownership costs

- The Tec 820 Vaporizer has no planned factory service, which helps lower the total cost of ownership and eliminate the logistical challenges associated with the return of vaporizers to the factory. For complete user maintenance requirements, refer to the User Reference Manual.
- The Tec 820 Vaporizer comes with a three-year warranty.

Reliability, convenience, and operating excellence

- Tec 820 is compatible with modern agent filling systems that simplify filling and help minimize agent leaks while filling.
- To minimize filling frequency, the Tec 820 Vaporizer can hold up to 300 ml of anesthetic agent.
- The Tec 820 Vaporizer can be mounted on GE Healthcare anesthesia systems equipped with the Selectatec manifold without tools and without taking the anesthesia system out of service.
- The Tec 820 Vaporizer also interlocks in series with GE Healthcare Tec 7 and Tec 6 Plus Vaporizers.
- The non-spill system in the Tec 820 Vaporizer limits movement of liquid agent if the vaporizer is tilted or inverted, protecting internal components and helping maintain output within clinically acceptable limits.



Easy-Fill helps simplify agent filling



Tec 820 agent specific vaporizers

Physical specifications

Dimensions

Height:	35 cm
Depth:	22 cm
Width:	11 cm
Weight:	7 kg dry

Agent capacity

Total capacity:	300 ml
Capacity between min/max fill marks:	170 ml
Wick system capacity:	75 ml approximately

Pneumatics specifications

Calibration and flow resistance

Calibration:	Calibration of all models is done at 21°C using O ₂ as carrier gas, 5 l/min fresh gas flow, at sea-level ambient pressure.
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Isoflurane models:

Control dial calibrated up to 5% v/v. The control dial is marked in steps of 0.25% up to 1% and in steps of 0.5% between 1% and 5%.

Sevoflurane models:

Control dial calibrated up to 8% v/v. Control dial is marked in steps of 0.25% up to 1% and in steps of 0.5% between 1% and 8%.

Flow resistance:

OFF: Isolated, no resistance from vaporizer.
ON: 5 l/min O₂: <20 cmH₂O

Accuracy

Isoflurane models:

±0.25% of delivered agent or ±20% of control dial setting (whichever is greater)

Sevoflurane models:

±0.6 (±0.4% of delivered agent or ±20% of control dial setting (whichever is greater))

Fresh gas flow:

200 ml/min to 15 l/min

Environmental specifications

Operation

Temperature:	15°C to 35°C
Humidity:	15% to 95% relative humidity (non condensing)

Ambient pressure

500-800 mmHg

Storage and Transport

Temperature:	-35°C to 60°C
Humidity:	15% to 95% relative humidity (non condensing)
Ambient pressure:	400-800 mmHg

Service

Planned factory service free

MR Safety information

MR Conditional

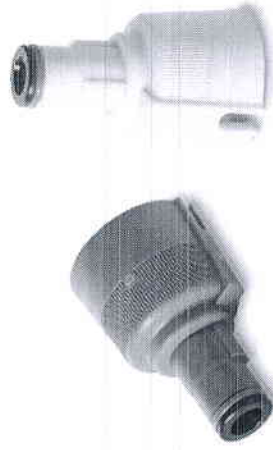
Agent filling systems

Isoflurane models: Easy-Fill[®]
Sevoflurane models: Easy-Fill

Water may not be available in all regions.

Warranty

Warranted to be free from functional defects in materials and workmanship for a period of three years from the date of original delivery.



Agent color coded Easy-Fill adapters



GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter – great people and technologies taking on tough challenges.

From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Imagination at work

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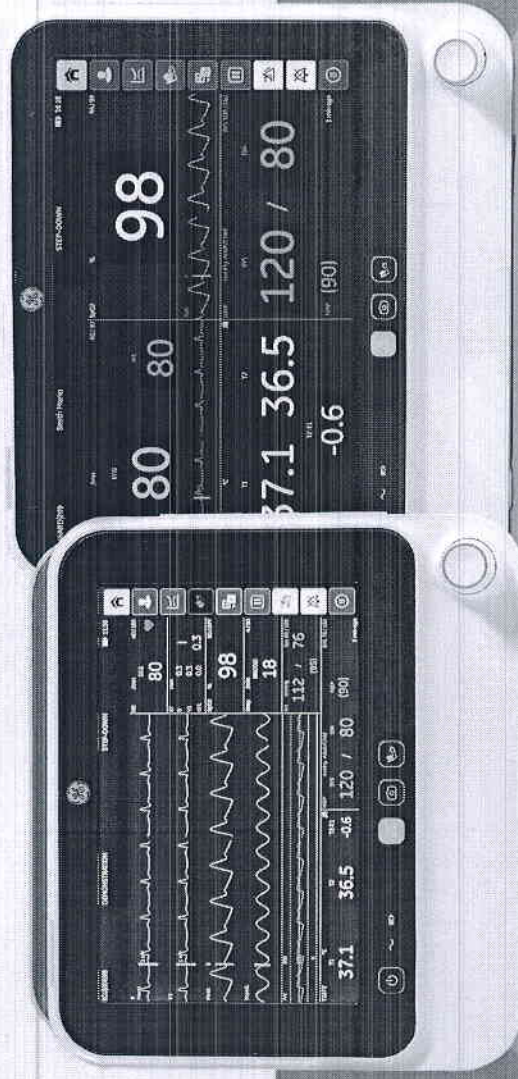
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GE Healthcare B105 and B125 Patient Monitors

Simple. Flexible. Reliable.



Presenting GE Healthcare's B105 and B125 Patient Monitors

The B1X5 Patient Monitors are
simple, flexible, and reliable monitors
— delivering parameter technology that you can trust.

With constant improvement in medical technologies, the need for better quality healthcare is on the rise. However, care providers continue to face a wide range of operational and clinical challenges that often get in the way of accurate diagnoses.

That is why we at GE Healthcare go the extra mile to provide a holistic solution that transforms your monitoring capabilities and your performance.

Designed with clinicians for clinicians, the B105 and B125 Patient Monitors are engineered from the ground-up to meet your clinical requirements. These advanced Patient Monitors are equipped with parameter technologies and dependable features that empower you to monitor and diagnose with greater confidence.



Simple and intuitive
for your busy staff



Flexible
for your diverse care area and acuity needs



Reliable and robust
technology for challenging work environments

Clinical performance you can trust

With over 40 years of innovation in parameter technology, GE Healthcare has been at the forefront of continuous research and development to build solutions that help you in your daily work. Our diversified monitoring portfolio features cutting-edge products equipped with advanced technologies such as:

DINAMAP™ SuperSTAT™ NIBP

Proven NIBP technology, utilizing GE-patented "smart cuff" pressure control to improve measurement time, patient comfort, and artifact rejection, all while retaining the classic DINAMAP accuracy.

EK Pro arrhythmia algorithm

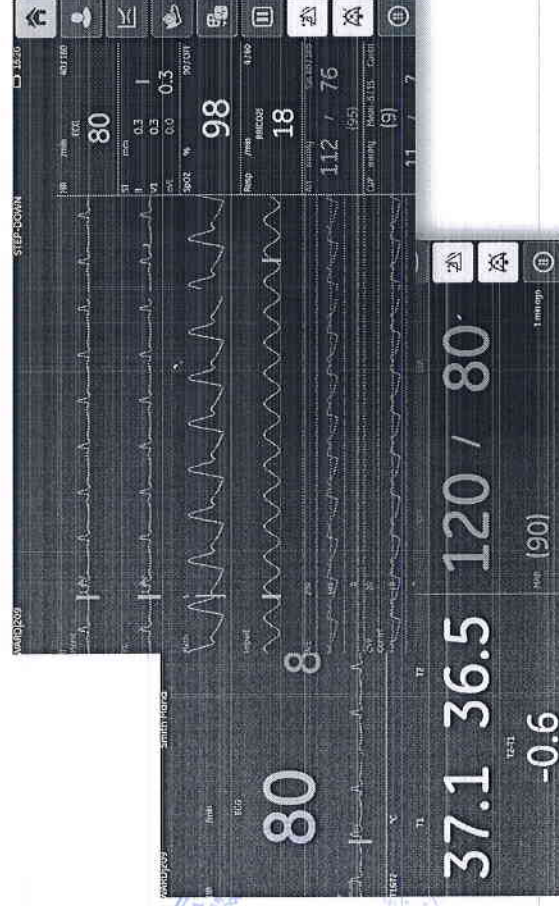
Simultaneous four-lead analysis helps optimize the detection and analysis of arrhythmias, helping ensure no cardiac event goes unnoticed. The algorithm helps distinguish noise and artifacts from true beats, reduces false alarms, and enables uninterrupted ECG monitoring even in the event of a single electrode failure.

TruSignal™ SpO₂

Ability to reject motion artifacts and detection even at low perfusion.

EtCO₂

CO₂ side stream measurement done at the patient's airway.



1975 First bedside capnometer

1976 DINAMAP NIBP invented, earns 50 patents over its lifecycle

1980 First 12SL ECG Analysis

1982 NeuroMuscular Transmission monitoring

1983 Anesthesia monitoring with automatic AA identification

1984 First simultaneous multi-lead arrhythmia analysis (EK-Pro)

First to place ST-segment monitoring capabilities in a surgical patient monitor

1985 First paramagnetic O₂ measurement

1986 Continuous metabolic measurement

1991 Patient Spirometry (D-lite™)

1993 12-lead ECG on a bedside monitor

1996 12-lead ST trending on a bedside

1999 4-channel EEG/AEP on a bedside module

2003 Introduction of Entropy™

2004 EK-Pro arrhythmia analysis to include P-wave recognition and A Fib detection

2009 Surgical Pleth Index (SPI)*

2012 Miniaturized respiratory gas module

2017 B105 and B125 Patient Monitors

*SPI is not cleared by US FDA.

All technologies may not be available in all markets. All technologies may not be available in B1X5 monitors.

Simplicity you can trust



With improved workflow and efficient operations, you can now elevate your monitoring capabilities to the next level.



Simple and efficient workflow

Designed with an intuitive and clever user-interface, these Patient Monitors allow you to lower training time and enhance monitoring capabilities with:

- Seven pre-configured workflow settings for simple set-up
- Auto-snapshot of most critical alarms
- Alarm reporting options for better alarm management and instant care in cases of arrhythmia, high/low blood pressure, and ECG-lead detachment
- Convenient screen lock button for easy cleaning, maintenance, and intra-hospital transport



Simple user-interface

Designed to facilitate improved operations, the Patient Monitors' intuitive user-interface allows for continuous monitoring with:

- Capacitive touchscreen for fast response and enhanced user experience
- Uninterrupted display of primary ECG-lead waveform and other vital signs across settings
- Choice of numerical or continuous waveform monitoring
- Large numeric mode that enables critical parameter visibility even up to 4 meters





Flexible clinical abilities

The B105 and B125 Patient Monitors equip you with clinical versatility across different care areas with features such as:

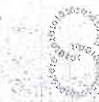
- ST Segment and full Arrhythmia analysis, SpO₂, NIBP, IBP, RR, ECG, EtCO₂
- Additional parameter slot for upgradability and scalability for changing clinical needs



Flexible operations

Advanced technologies allowing you to continuously monitor almost anywhere in the hospital in various situations and workflows.

- Wireless connectivity for enhanced mobility across the hospital
- Centralized alarm management through GE CARESCAPE™ Central Station
- EMR connectivity through HL7® outbound protocol
- Optional thermal printer and additional screen for flexible usage



Flexible connectivity

The B105 and B125 Patient Monitors can seamlessly connect with GE Healthcare CARESCAPE network environment to give you the complete picture on a single robust platform.

- Flexibility to share parameter modules and accessories across GE Patient Monitors*
- Flexibility to view parameters nearly anywhere, anytime**

Flexibility you can trust



With flexible operations and versatile clinical capabilities, you can now deliver optimal care almost anytime and anywhere.

Reliability you can trust



With reliable monitoring capabilities, maintenance, and service, you can provide the high standard of care that your patient needs.



Reliable technology

Built with proven technologies that facilitate better performance and greater data security, the B105 and B125 Patient Monitors help you collect accurate patient information with low risk of security breaches. Now, care with confidence with the support of:

- Upgraded cyber security by implementing WPA-Enterprise and WPA2-Enterprise for better data protection
- Latched alarm system for dependable monitoring
- Fast roaming across wireless networks within the hospital for data security
- Capacitive touchscreen tested for up to one million operations



Reliable performance

Designed to enable excellent monitoring even in harsh conditions, this range of Patient Monitors allows you to capture and store critical information while providing excellent care with:

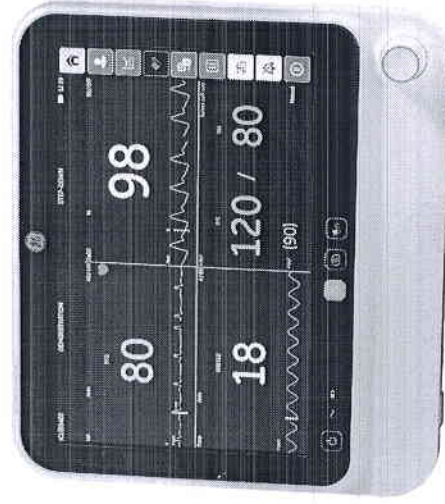
- Three-hour battery life to enable uninterrupted monitoring
- Stable performance even in tough environmental conditions (+5°C to +40°C)
- Advanced platform that records and stores up to 168 hours of monitoring activity across all parameters
- Advanced algorithm for accurate analyses of up to 16 types of arrhythmia including A Fib



Reliable service

The B105 and B125 Patient Monitors are an extension of our mission to serve customers when and where they need us. You can now rely on our support for queries or on-site assistance with dependable service for consistent and optimal performance.

GE Healthcare B105 and B125 Patient Monitors — a holistic solution that transforms your monitoring capabilities and your performance.



Accurately and reliably monitor clinical parameters



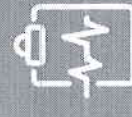
Easily cater to diverse care areas and acuity needs



Conveniently operate an intuitive solution



Effortlessly learn the functionalities without extensive training



Accurately monitor and diagnose





Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/ promotional locations.

Data subject to change.

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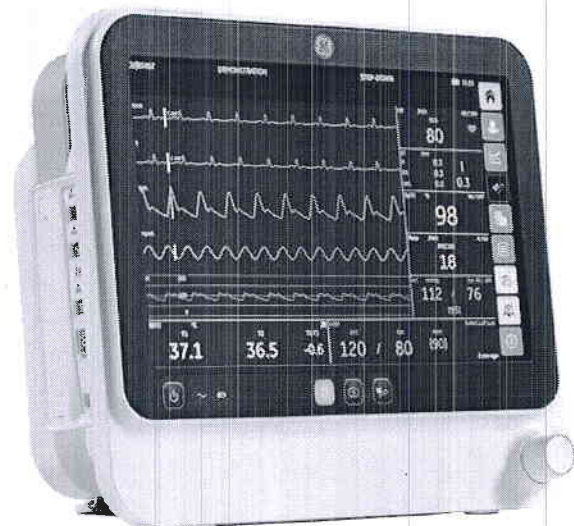
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JB47001XX 3/16

GE Healthcare

B125 Patient Monitor

Simple. Flexible. Reliable.



The B125 patient monitor from GE Healthcare delivers clinical performance you can trust. It is simple and intuitive for busy caregivers, flexible for diverse care areas and acuity needs, and reliable for challenging work environments.

Parameter excellence

The B125 Monitor is designed with advanced parameter technologies for accurate and reliable patient monitoring:

- EK-Pro arrhythmia analysis
- DINAMAP™ SuperSTAT non-invasive blood pressure
- TruSignal™ enhanced SpO₂ saturation monitoring. Also available with Nellcor® OxiMax® SpO₂ or Masimo® SET® SpO₂ algorithms
- GE EtCO₂ sidestream measurement
- Comprehensive package for neonatal¹ measurements

Simple & intuitive user interface

The B125 Monitor makes it easy to acquire, monitor and interpret patient data to support timely decision-making:

- Seven pre-configured workflow settings
- Choice of numerical or continuous waveform monitoring
- Big numeric view capability
- Capacitive touch screen

Flexible for diverse care areas & acuity needs

Designed with advanced technologies to support connectivity & operations across hospital enterprise.

- Connectivity to GE CARESCAPE™ networks and Mobile Care Web Viewer
- Flexibility to share parameter modules and accessories across other GE monitors
- Advanced applications such as ST Segment and Full Arrhythmia

Robust & reliable

Its rugged & robust design stands up to harsh environments and the everyday wear-and-tear of busy care areas.

- Upgraded cyber security
- Stable performance in tough environmental conditions
- 75 cm height drop test for main unit
- Three hour battery

¹ Impedance respiration is intended for use with only adult and pediatric patients in United States, Argentina, Guam, Puerto Rico, Saint Croix and Saint Thomas. CO₂ measurement through E-miniC Module is intended for use with patients weighing over 5kg (11 lb) only.



Technical specifications

Display

Size	12.1 in (diagonal)
Resolution:	1280 x 800 pixels (WVGA)
Number of waveforms	Up to 6
Display layout and colors	User-configurable
Controls	Capacitive Touch screen & Trim Knob™ control and hard keys (standard)

Parameters and modules

Parameters	Modules ²
ECG	Configured hemodynamic module
Resp	
SpO ₂	
NIBP	
Temp	
2 channel InvBP	E-miniC
Sidestream CO ₂	

ECG

Leads available	3-lead configuration: I, II, III 5-lead configuration: I, II, III, aVR, aVL, aVF and V
Sweep speed	12.5, 25 or 50 mm/s
Gain range	0.5x, 1x, 2x and 4x
Heart rate accuracy	30 to 300 bpm, $\pm 5\%$ or ± 5 bpm, whichever is greater
Bandwidth	
50/60 Hz power supply	Monitor: 0.5 to 40 Hz ST: 0.05 to 40 Hz Diagnostic: 0.05 to 145 Hz
Pacemaker detection	Range: 2 to 700 mV Pulse width: 0.5 to 2 ms
Arrhythmia analysis	Asystole, V Fib / V Tach, V Tach, VT>2 R on T, V Brady, Couplet, Bigeminy, Accelerated Ventricular arrhythmia, Multifocal PVCs, A Fib, Missing beat, Pause, Tachy, Brady, Trigeminy

ST segment analysis

Numeric range: -9 to +9 mm (-0.9 to +0.9 mV)
Accuracy: ± 0.2 mm or $\pm 10\%$, whichever is greater, within the measurement range of -8 to 8 mm
Numeric resolution: 0.1 mm (0.01 mV)
ST Trends: Up to 168h

Impedance respiration³

Range
Adult/pediatric: 4 to 120 resp/min
Neonate³: 4 to 180 resp/min
Accuracy
 $\pm 5\%$ or ± 5 resp/min, whichever is greater
Gain range
0.1 to 5 cm/Ohm

SpO₂

TruSignal SpO₂

Measurement range

Pulse oximetry 1 to 100%
Pulse rate 30 to 250 bpm

Measurement accuracy

Saturation
Without motion-adult/pediatric
Finger sensor: 70 to 100% $\pm 2\%$
Without motion-neonate³:
70 to 100% $\pm 3\%$
With motion-adult/pediatric/
neonate³: 70 to 100% $\pm 3\%$
Low perfusion-adult/pediatric:
70 to 100% $\pm 3\%$
(1~69% unspecified)
Pulse Rate
Without motion: ± 2 bpm
(Adult/Pediatric/Neonatal³)

² Refer to B125 User's Manual for more information.

³ Impedance respiration is intended for use with only adult and pediatric patients in United States, Argentina, Guam, Puerto Rico, Saint Croix and Saint Thomas. CO₂ measurement through E-miniC Module is intended for use with patients weighing over 5kg (11 lb) only.



Nellcor OxiMax

Measurement range

Pulse oximetry	1 to 100%
Pulse rate	20 to 250 bpm

Measurement accuracy

Saturation	Adult: 70 to 100% $\pm 2\%$ Neo: 70 to 100% $\pm 3\%$ Low perfusion: 70 to 100% $\pm 2\%$ 0~69% unspecified
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Pulse Rate	± 3 bpm
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Masimo SET

Measurement range

Pulse oximetry	1 to 100%
Pulse rate	25 to 240 bpm

Measurement accuracy

Saturation	Without motion-adult/pediatric: 70 to 100% $\pm 2\%$ Without motion-neonate ⁴ : 70 to 100% $\pm 3\%$ With motion-adult/pediatric/ neonate ⁶ : 70 to 100% $\pm 3\%$ Low perfusion: 70 to 100% $\pm 2\%$ (0~69% unspecified)
Pulse rate	Without motion: ± 3 bpm With motion: ± 5 bpm

NIBP

Measurement technique	Oscillometric with step deflation
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Modes	Manual, automatic and stat
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NIBP Measurement ranges

Systolic	Adult/Pediatric: 30 to 290 mmHg Neonate ⁴ : 30 to 140 mmHg
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MAP	Adult/Pediatric: 20 to 260 mmHg Neonate ⁴ : 20 to 125 mmHg
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Diastolic	Adult/Pediatric: 10 to 220 mmHg Neonate ⁴ : 10 to 110 mmHg
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Accuracy	Meets AAMI ISO81060-2 and IEC 80601-2-30
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Default initial inflation pressure	Adult/Pediatric: 135 ± 15 mmHg Neonate ⁴ : 100 ± 15 mmHg
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Maximum determination time	Adult/Pediatric: 2 min Neonate ⁴ : 85 s
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Over pressure monitor	Adult/Pediatric: 294 ± 6 to 330 mmHg Neonate ⁴ : 147 ± 3 to 165 mmHg
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Invasive blood pressure

Measurement range	-40 to 320 mmHg (-5.3 to 42.7 kPa)
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Measurement accuracy	$\pm 5\%$ or ± 2 mmHg, whichever is greater
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Frequency response	4 to 22 Hz
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Transducer sensitivity	5 $\mu\text{V/V/mmHg}$
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Temperature

Numerical display	T1, T2, T2-T1
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Measurement range	10 to 45°C (50 to 113°F)
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Measurement accuracy	$\pm 0.1^\circ\text{C}$ without probe
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Display resolution	0.1°C
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Probe	YSI probes recommended by GE Healthcare
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Networking

Compatibility	CARESCAPE Network
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Wi-Fi connectivity ⁵	IEEE 802.11a/b/g/n
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Wi-Fi security ⁵	WPA-Personal; WPA2-Personal; WPA-Enterprise; WPA2-Enterprise
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Connectivity to EMR	HL7 [®] outbound protocol direct through the CARESCAPE Gateway
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I/O connectors

RS-232 computer serial output, Defibrillation synch, Nurse call, USB port, additional display connector

Mounting

GCX compatible

Integrated carrying handle

⁴ Impedance respiration is intended for use with only adult and pediatric patients in United States, Argentina, Guam, Puerto Rico, Saint Croix and Saint Thomas. CO₂ measurement through E-miniC Module is intended for use with patients weighing over 5kg (11 lb) only.

⁵ Available in registered regions only.



Paper Recorder

Method	Thermal dot array
Horizontal resolutions	24 dots/mm (600 dpi)
Vertical resolution	8 dots/mm (200 dpi)
Waveforms	Selectable 1, 2, or 3 waveforms
Numerics	HR, SpO ₂ , NIBP, IBP1, IBP2, EtCO ₂ /FiCO ₂ , T1, T2, Resp
Graphical trend printout	HR, ST, IBP1, IBP2, NIBP, SpO ₂ , Pleth, CO ₂ , Resp, T1+T2
Paper width	50 mm, printing width 48 mm
Paper speed	6.25, 12.5, 25 mm/s

Performance specifications

Alarms

Priority	High, Medium, Low and Message
Notification	Audible and visual
Setting	Default and individual
Visual alarm notification	Red, yellow, cyan Audio silence message General alarm message

Audio pause	2 min
Adjustment	Adjustment page

Trends

Graphical	All parameters, selectable time scales from 20 min to 168h
Numerical	All parameters, sampling according to time setting or after NIBP determination
Snapshot	Up to 200 snapshots Manual or alarm triggered
OCRG trend ⁶	Real time or snapshot Neonate mode only
Trend cursor	In graphical trend

Environmental specifications

Operating conditions

Temperature	5 to 40°C (41 to 104°F)
Relative humidity	20 to 90% noncondensing
Atmospheric pressure	700 to 1060 hPa (525 to 795 mmHg)

Storage and transport conditions

Temperature	-20 to 60°C (-4 to 140°F)
Relative humidity	10 to 90% noncondensing
Atmospheric pressure	700 to 1060 hPa (525 to 795 mmHg)

Power specifications

AC input	100 to 240V ±10%, 50/60 Hz, 150VA
Protection	Class I
Battery	Exchangeable lithium-ion, 1 pcs max
Charging time	< 4 h to 90% capacity
Run time	> 3 h

Physical specifications

Dimensions (H x W x D)	Without extension rack: 280 x 317 x 150 mm (11.0 x 12.5 x 5.9 in)
Weight	4.3 kg (9.5 lb) w battery
Ingress protection	IPX1

Certifications

IEC 60601-1 passed

CE marking according to Council Directive 93/42/EEC concerning medical devices amended by 2007/47/EC

⁶ Neonate Resp is not available for USA and 510k required countries





Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

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DOC1937971 Rev. 3 4/17



Attachment 1 to the Certificate number: VTT-C-11340-01-1004-543-15

Manufacturer:	GE Healthcare Finland Oy Kuortaneenkatu 2, FI-00510 Helsinki Finland																																																															
Activity and product category:	Design, manufacture and final inspection of patient monitoring systems and related accessories, anaesthesia machine and ventilator related accessories																																																															
Products:	The certificate covers the following products: Patient monitors and software <table><tr><td><i>Name</i></td><td><i>Description</i></td><td><i>Class</i></td><td><i>GMDN</i></td></tr><tr><td>CARESCAPE Monitor B450</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE Monitor B450-LI</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE Monitor B650</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE Monitor B650-LI</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE Monitor B850</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE Monitor B850-LI</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>CARESCAPE B850, version MBC303</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>F7-01 Frame</td><td>Module Frame</td><td>IIb</td><td>36757</td></tr><tr><td>F5-01 Frame</td><td>Module Frame</td><td>IIb</td><td>36757</td></tr><tr><td>BX50 ESP V2 Software Upgrade</td><td>Patient monitor software</td><td>IIb</td><td>59378</td></tr><tr><td>Surgical Pleth Index Software License</td><td>Haemodynamic patient monitoring system application software</td><td>IIb</td><td>42407</td></tr><tr><td>B20i</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>B40i</td><td>Patient monitor</td><td>IIb</td><td>33586</td></tr><tr><td>S/5 Network and iCentral</td><td>Patient monitoring system central station monitor</td><td>IIb</td><td>38470</td></tr></table>				<i>Name</i>	<i>Description</i>	<i>Class</i>	<i>GMDN</i>	CARESCAPE Monitor B450	Patient monitor	IIb	33586	CARESCAPE Monitor B450-LI	Patient monitor	IIb	33586	CARESCAPE Monitor B650	Patient monitor	IIb	33586	CARESCAPE Monitor B650-LI	Patient monitor	IIb	33586	CARESCAPE Monitor B850	Patient monitor	IIb	33586	CARESCAPE Monitor B850-LI	Patient monitor	IIb	33586	CARESCAPE B850, version MBC303	Patient monitor	IIb	33586	F7-01 Frame	Module Frame	IIb	36757	F5-01 Frame	Module Frame	IIb	36757	BX50 ESP V2 Software Upgrade	Patient monitor software	IIb	59378	Surgical Pleth Index Software License	Haemodynamic patient monitoring system application software	IIb	42407	B20i	Patient monitor	IIb	33586	B40i	Patient monitor	IIb	33586	S/5 Network and iCentral	Patient monitoring system central station monitor	IIb	38470
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