

Caesarea Medical Electronics Ltd

Products Catalogue

Caesarea Medical Electronics Ltd.

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Infusion and Enteral Pumps

1000 ml CAPACITY CONTAINER

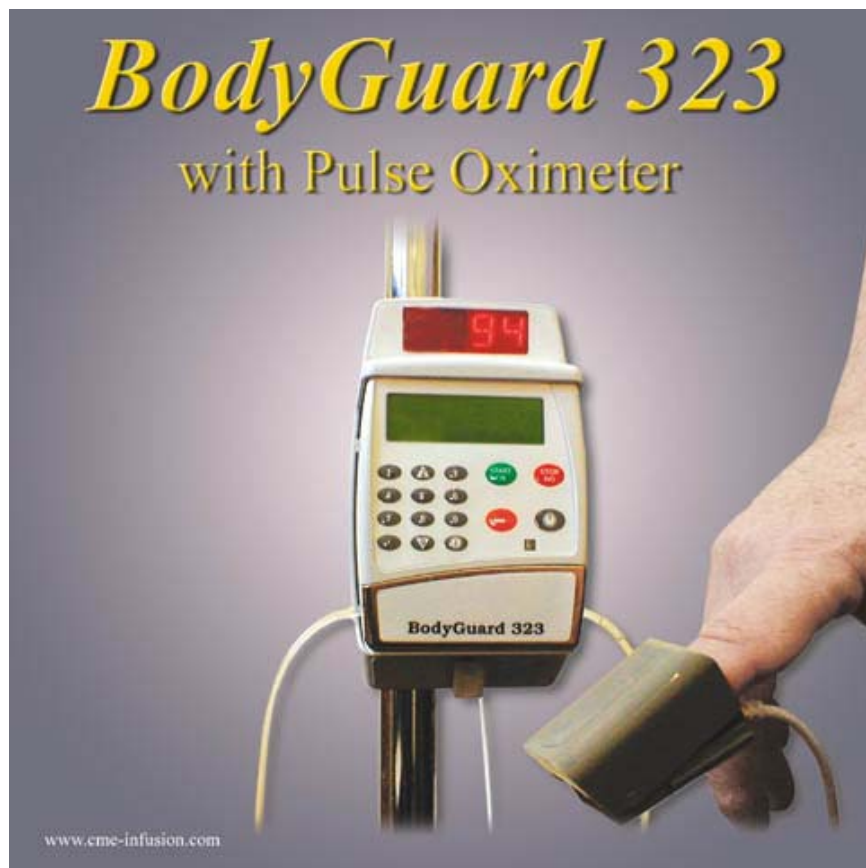
HYPOGENIC R.100 P.100

BodyGuard 323 Infusion Pump System



- Multi-programs infusion pump
- Lightweight & Compact
- Pole mountable mains or rechargeable Li-ion battery operated
- Piston pump mechanism
- Post-occlusion Bolus Reduction System
- Free-Flow Protection and anti-reflux in all consumables.
- 3 Level Access Security Codes
- Connectivity to PC enabling 24 Hour Patient History
- Multiple language choice
- MediGuard software to reduce human errors by setting limits appropriate to patient weight.

Total Infused Volume:	0.1 to 9999 ml
Flow Rate:	0.1 - 1200 ml/hr in 0.1ml increments / 1ml/hr increments
Accuracy:	± 5% (pump and set combined)
KVO rate:	1.0 to 5.0 ml/hr in 1 ml increments
Maximum Pressure:	10 PSI (adjustable - high 10 PSI / normal 7.5 PSI /low 5 PSI)
Power Supply:	110-240V AC, 50/60 Hz. (20W/0.12A)
Battery:	Li-ion 7.2V, 1450mA. (Rechargeable)
Battery life:	15 hours at 125 ml/hr rate
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code), Missing Key
Dimensions and weight:	112mm x 89mm x 32mm. (H/W/D), 290 gr.



Our innovative BodyGuard 323 infusion pump system pulse oximeter model is incorporating therapy and monitoring in the same unit, in a most convenient way.

The pulse oximeter module is intended for continuous, noninvasive monitoring of functional oxygen saturation of arterial hemoglobin (SpO₂) and pulse rate, measured by a SpO₂ sensor.

Easily operated and user friendly, just connect the patient's finger to the pulse oximeter probe, and the pump will assure that the patient pulse and SpO₂ will be monitored during therapy.

The pulse oximeter settings are configurable according to staff needs.

BodyGuard Communication system



All BodyGuard infusion pumps are capable of communication with a PC. Easy download of patient history, protocols and settings is achieved with one click connecting the pump into the communication charger. All is needed is a communication charger and the BodyComm software (supplied with the communication charger).

BodyGuard 545 Epidural Infusion Pump System



- ④ **Dedicated color coded Epidural Analgesia pump** capable of bolus only, basal only, basal plus bolus or continuous only regimes
- ④ **Lightweight & Compact**
- ④ **Pole mountable mains or rechargeable Li-ion battery operated**
- ④ **Piston pump mechanism**
- ④ **Post-occlusion Bolus Reduction System**
- ④ **Free-Flow Protection** and anti-reflux in all consumables.
- ④ **3 Level Access Security Codes**
- ④ **Connectivity to PC enabling 24 Hour Patient History**
- ④ **Multiple language choice**
- ④ **MediGuard** software to reduce human errors by setting limits appropriate to patient weight.

Total Infused Volume:	0.1 to 9999 ml
Flow Rate:	0.1 - 30ml/hr in 0.1ml increments / 0.1ml/hr increments
Accuracy:	± 5% (pump and set combined)
KVO rate:	1.0 to 5.0 ml/hr in 0.1 ml increments
Maximum Pressure:	21 PSI (adjustable - high 21 PSI / normal 14 PSI /low 7 PSI)
Power Supply:	110-240V AC, 50/60 Hz. (20W/0.12A)
Battery:	Li-ion 7.2V, 1450mA. (Rechargeable)
Battery life:	15 hours at 125 ml/hr rate
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code), Missing Key
Dimensions and weight:	112mm x 89mm x 32mm. (H/W/D), 290 gr.

BodyGuard 575 PCA Infusion Pump System



- Ⓢ Dedicated PCA pump capable of bolus only, basal only, basal plus bolus or continuous only regimes
- Ⓢ Lightweight & Compact
- Ⓢ Pole mountable mains or rechargeable Li-ion battery operated
- Ⓢ Piston pump mechanism
- Ⓢ Post-occlusion Bolus Reduction System
- Ⓢ Free-Flow Protection and anti-reflux in all consumables.
- Ⓢ 3 Level Access Security Codes
- Ⓢ Connectivity to PC enabling 24 Hour Patient History
- Ⓢ Multiple language choice

Total Infused Volume:	0.1 to 9999 ml
Flow Rate:	0.1 – 100 ml/hr in 0.1ml increments / 0.1ml/hr increments
Accuracy:	± 5% (pump and set combined)
KVO rate:	1.0 to 5.0 ml/hr in 0.1 ml increments
Maximum Pressure:	10 PSI (adjustable - high 10 PSI / normal 7.5 PSI /low 5 PSI)
Power Supply:	110-240V AC, 50/60 Hz. (20W/0.12A)
Battery:	Li-ion 7.2V, 1450mA. (Rechargeable)
Battery life:	15 hours at 125 ml/hr rate
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code), Missing Key
Dimensions and weight:	112mm x 89mm x 32mm. (H/W/D), 290 gr.

The Applica 2002 Pediatric Infusion Pump System

The Applica 2002 Pediatric Infusion Pump System has all the innovative features characteristic to all our infusion pumps with additional safety feature – this pump is color coded to indicate that the settings are intended for pediatric use. The pump has the friendly giraffe label to make it less intimidating to children.



BodyGuard 121 Twins Dual Channel Infusion Pump System



- Dual channel, multi-protocol infusion pump
- Lightweight & Compact
- Pole-mountable mains or rechargeable Li-ion battery operated to allow patient ambulation.
- Piston pump mechanism
- Post-occlusion Bolus Reduction System
- Free-Flow Protection and anti-reflux in all consumables.
- 3 Level Access Security Codes
- Connectivity to PC enabling 24 Hour Patient History
- MediGuard software to reduce human errors by setting limits appropriate to patients weight.
- Multiple language choice

Total Infused Volume:	0.1 to 9999 ml
Flow Rate:	0.1 - 1200 ml/hr in 0.1ml increments / 1ml/hr increments
Accuracy:	± 5% (pump and set combined)
KVO rate:	1.0 to 5.0 ml/hr in 1 ml increments
Maximum Pressure:	10 PSI (adjustable - high 10 PSI / normal 7.5 PSI /low 5 PSI)
Power Supply:	110-240V AC, 50/60 Hz. (20W/0.12A)
Battery:	Li-ion 7.2V, 1450mA. (Rechargeable)
Battery life:	7.5 hours at 125 ml/hr rate
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code), Missing Key
Dimensions and weight:	146mm x 84mm x 40mm. (H/W/D), Weight 450 gr.

***Our Chrono 4 channels Infusion Pump System is available !
The Chrono has a special dedicated set and innovative software
which allows four channels infusion according to pre-set
protocols.***

Noa III Enteral Nutrition Pump



The *NOA III* Enteral feeding pump is intended to control application of enteral nutrition. The pump can be used for mobile patient with an integrated rechargeable battery, or stationary with connection to main by a charger.

Pumping Mechanism:	Piston Mechanism
Flow Rate:	1 to 500 ml/hr in 1ml increments
Total Infused Volume:	1 to 10,000 ml.
Total Time Setting	100 hours
Accuracy:	± 5% (pump and set combined)
KTO rate:	1 to 5 ml/hr
Air Sensor:	Ultrasonic, adjustable air bubble size
Maximum Pressure:	15 PSI Adjustable (high/normal/low)
Power Supply:	110-240 VAC, 50/60 Hz. 0.12A
Battery:	Li-ion 7.2V, 1450mA. (Rechargeable)
Battery Operation:	15 hours at 125 ml/hr rate
Language:	English, German, French
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code)
Dimensions:	112 x 89 x 32mm. (L x w x h), 290 gr.

VetPro 2000 Veterinary Infusion Pump



The VET-PRO 2000 multi-functional infusion pump has been designed to combine high levels of safety and performance together with very easy and reliable operation.

Unlike many infusion pumps offered to veterinary practices, the VetPro 2000 is small enough to be mounted on a cage door without the risk of either falling off or damaging the door or hinges. An optional stainless steel cage mounting bracket is available to fit most cages types and takes just seconds to fit or remove from the cage yet is extremely secure due to its clever design.

The pump incorporates both active and passive safety features and can be configured to fit individual requirements, giving it a true multi-task capability. It is suitable for delivering intravenous fluids, drugs, TPN solutions and blood and can be used in both arterial and venous infusions. The pump is suitable for epidural, subcutaneous and IV applications.

Flow Rate:	0.1 to 500 ml/hr in 0.1ml or 1 ml increments.
Total Infused Volume:	0.1-9999 ml.
Accuracy:	± 5% (pump and set combined)
KVO rate:	0.1 to 5 ml/hr. (user adjustable)
Air Sensor:	Ultrasonic, adjustable air bubble size
Maximum Pressure:	0.7 bar or 10 PSI, adjustable (high/normal/low)
Power Supply:	110-240 VAC, 50/60 Hz. 20W
Battery:	Li-Ion 7.2V, 1450mA. (Rechargeable)
Alarms:	End Program, Low Battery, End Battery, Lock Mode, Air-in-line, Down Occlusion, Door Open, Pump Unattended, System Malfunction (followed by error code)
Dimensions:	112 x 89 x 32mm. (L x w x h), 290 gr.



Infusion Chargers and Accessories

1000 ml CAPACITY CONTAINER

BodyGuard Chargers



The BodyGuard chargers are pole mountable, has an easy release button, and a large display.

Optional features including:

- Ⓜ RS232 connector for easy PC connectivity
- Ⓜ Drop sensor
- Ⓜ DC connector
- Ⓜ Pulse Oximeter connector

Ordering code	DC	Drop sensor	RS232	Pulse oximeter	Remarks
150-310X	-	-	-	-	W/O Display
150-313X	-	-	-	-	
150-314X.	✓	-	-	-	
150-317X	-	-	-	✓	
150-318X	-	-	✓	-	
150-319X	-	✓	-	-	
150-322X	✓	-	-	✓	
150-324X	✓	-	✓	-	
150-329X	-	✓	-	✓	

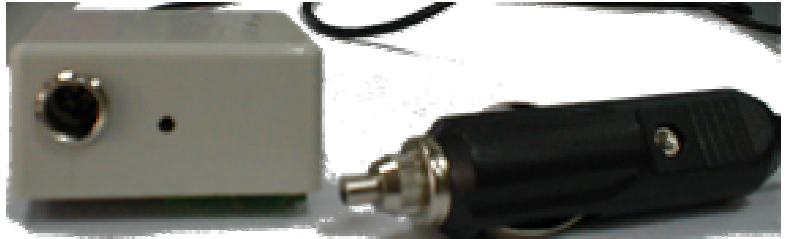
A model without a display is also available, and is most recommended for use by home care patients, to avoid disturbing light at night.



Our special chargers

150-300X Car charger

The car charger can connect to the pump via the DC cable, to charge the battery, connect it to the car lighter.



150-331X External batteries charger

The external charger allows charging an additional battery while the main battery is used for operating the pump. The battery can either be clicked into the charger or connected through a DC cable. The external batteries charger can be connected to the mains to charge the battery.



150-334X Wall charger

The wall charger allows charging the pump battery in a convenient way without connecting the pump to the charger. The wall batteries charger can be connected to the mains on one side, and to pump through the DC connector.



BodyGuard Carry Pouches



Carrying pouch

For bag up to 250 ml

Waist or shoulders straps

Ordering code 150-000X



Carrying back bag

For bag up to 3 liters

Waist or shoulders straps

Ordering code 160-000X

BodyGuard Lock Boxes



100 ml Lock box

Ordering code 170-000X



500 ml lock box

Ordering code 190-000XC



BodyGuard bolus cable
Ordering code 140-000X

Other optional accessories:

130-050X BodyGuard replacement battery

130-050XA BodyGuard long life battery

150-331X BodyGuard external battery charger
Allows approximately 35 hours of operation
in 125 ml/h rate.

150-300X Car charger

150-334X Wall charger

196-000X DC cable

400-304X Alkaline batteries housing



Long life Battery



DC Cable



Alkaline batteries housing



Syringe Pumps

1000 ml CAPACITY CONTAINER

1000 ml CAPACITY CONTAINER

T34 Syringe Pump



The T34 is the new standard in ambulatory Syringe pumps. Offering a comprehensive range of features designed to maximize safe, economic and simple administration of medication via multiple program options. The T34 is light, compact & robust ensuring it can be used in a wide variety of treatment settings including hospital in- and out-patient & homecare.

These features include security access codes, free - flow protection (optional), downloadable patient and event history and automatic detection of a wide range of syringes from 2 to 50 ml. The T34 software can be adjusted to local users needs including choice of language for information display.

Rate:	From 0.1 to 650 ml/h
Time Range	From 10 Minutes to 100 Hours
Accuracy:	± 5% (system)
Dimensions	165 x 23 x 40mm (6.5 x 0.9 x 1.8 inches)
Weight	247 gr. Including batteries
Battery Type	Alkaline 9v Batteries
Battery Life	100 full Syringes
Controls	Graphic Display 122 x 32 pixels with back light (8 keys) & dual color operation LED
Syringe range	2ml to 50 ml syringe (any brand)
Languages	Selectable- English, Italian, Spanish

PCA dedicated model available

T34L Syringe Pump



The T34L is Offering a comprehensive range of features designed to maximize safe, economic and simple administration of medication via multiple program options. The T34L is operated on battery as well as on mains power, can be portable or pole mounted and is still easily operated, user friendly and compact.

Rate From 0.01 to 1000ml/h

Time Range From 10 Minutes to 100 Hours

Accuracy $\pm 5\%$ (system)

Dimensions 38X55X190mm (6.5 x 0.9 x 1.8 inches)

Weight 400 gr. including batteries

Battery Type Rechargeable Li-Ion battery

Battery Life 100 full Syringes

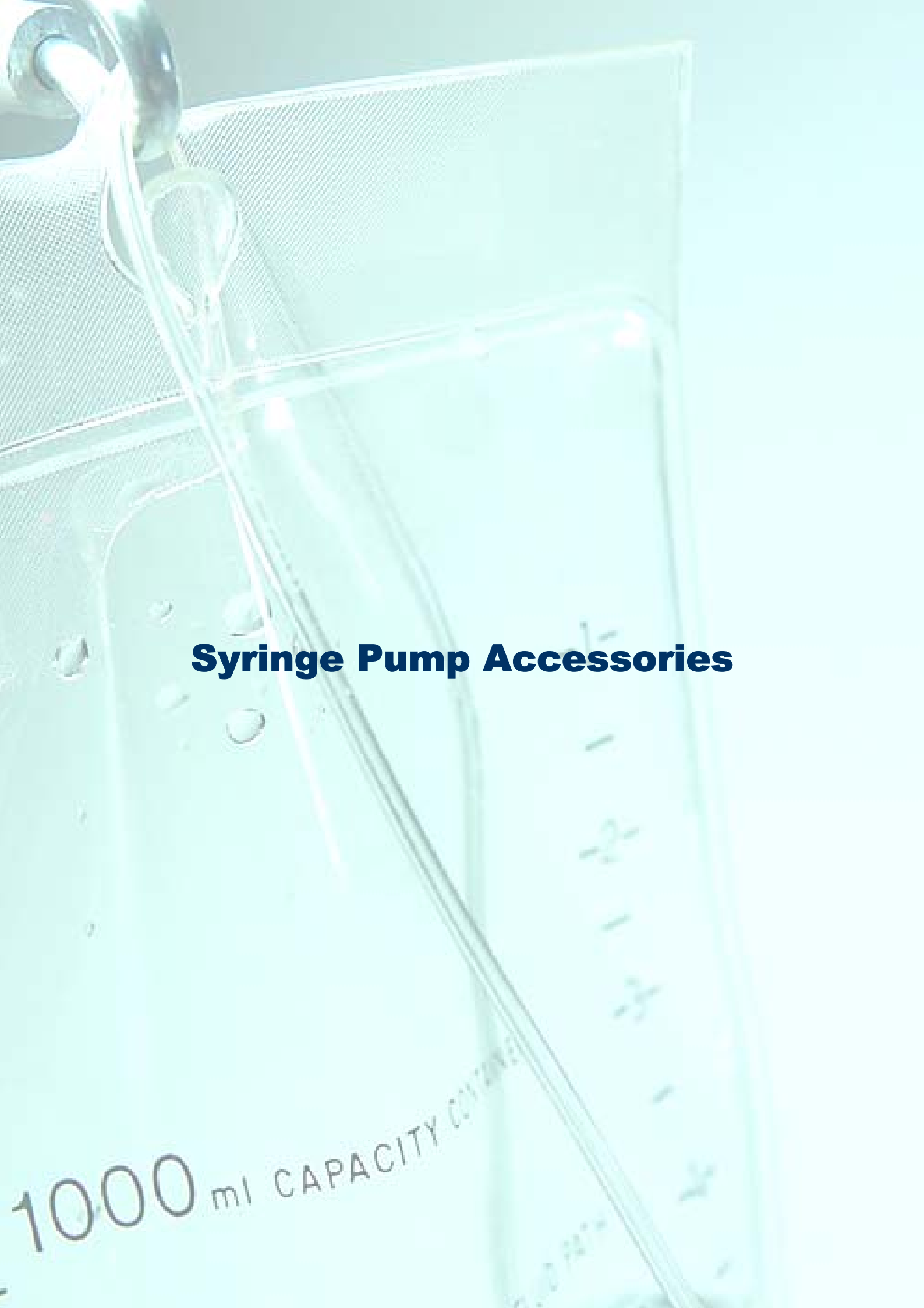
Controls Graphic Display 128 x 64 pixels with back light (8 keys) & dual color operation LED

Syringe range 2ml to 60 ml syringe (any brand)

Languages Selectable- English, Italian, Spanish

PCA dedicated model available





Syringe Pump Accessories

1000 ml CAPACITY CONTAINER

Syringe Pump Carry Pouches



Carrying bag

For bag up to 250 ml

Waist or shoulders straps

Ordering code 100-176S



Other accessories

100-174S Syringe Pump Lock Box

140-000X Syringe Pump Bolus Cable











Disposable Infusion lines






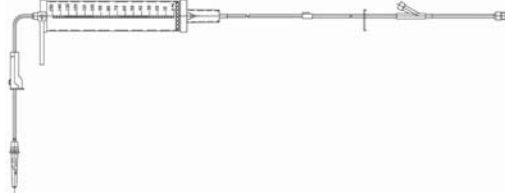
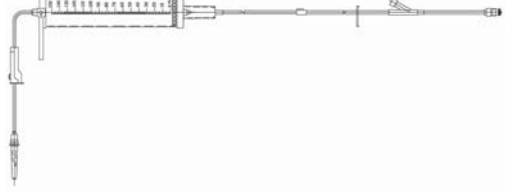



1000 ml CAPACITY CONTAINER




HYDROGENIC

Our wide range of disposable infusion lines will provide practical solution for every therapy and need.

Our infusion lines are available also in a Non-DEHP tubing.

Ordering code	Description	Drawing
100-163XE	Epidural set Non-DEHP Yellow striped, microbore tubing 1.5X3 mm (IDxOD), 2300 mm with anti siphon/anti free flow valve	
100-163XE90	Epidural set Non- DEHP Yellow striped, microbore tubing 1.5X3 mm (IDxOD), 2300 mm with anti siphon/anti free flow valve And a 90° spike	
100-163XEF	Epidural set Non- DEHP with 0.2 micron filter Yellow striped, microbore tubing 1.5X3 mm (IDxOD), 2300 mm with anti siphon/anti free flow valve	
120-160XP	MicroSet Non- DEHP Blue striped, microbore tubing 1.5X3 mm (IDxOD), 2300 mm with anti siphon/anti free flow valve	
120-160XPF	MicroSet Non- DEHP with 0.2 micron filter Blue striped, microbore tubing 1.5X3 mm (IDxOD), 2300 mm with anti siphon/anti free flow valve	
120-112XPF	MicroSet Non- DEHP with 1.2 micron filter Blue striped, microbore tubing 1.5X3 mm (IDxOD), 2700 mm with anti siphon/anti free flow valve	
120-001PXC	MicroSet Non- DEHP with Flush Blue striped, microbore tubing 1.5X3 mm (IDxOD), 2700 mm with anti siphon/anti free flow valve	
120-000XY	BodySet Y type Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve , drip chamber and Y connector	

Ordering code	Description	Drawing
120-000XYL	BodySet Y type for light sensitive drugs Yellow 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve , drip chamber and Y connector	
120-000DBL	BodySet for blood and blood products Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve ,drip chamber and Y connector	
120-000XT	BodySet Y type with 1.2 micron filter Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve , drip chamber and Y connector	
120-003XS2YV	BodySet Y type Non- DEHP with two needle free Y connectors & vented spike Clear 3X4.1 (ODxID) tubing, 2700 mm long with anti siphon/anti free flow valve	
120-003XSN	BodySet Y type Non- DEHP female luer lock Clear 3X4.1 (ODxID) tubing, 2000 mm long with anti siphon/anti free flow valve	
120-000XB	BodySet with Burette Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve and Y connector	
120-000XBL	BodySet with Burette for light sensitive drugs Yellow 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve and Y connector	
120-000XPC	BodySet Y type with flush Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve and Y connector	
120-125X	BodySet Non-DEHP with two needle free Y connectors. Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve .	
120-000XDD	BodySet Y type for Chemotherapy Clear non PVC 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve, drip chamber with two spikes and Y connector	

Ordering code	Description	Drawing
120-003T	Dual channel pump Bodyset Non-DEHP Y type with two spikes Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve	
120-000T	Dual channel pump Bodyset Y type with two drip chambers Clear 3X4.1 (ODxID) tubing, 2400 mm long with anti siphon/anti free flow valve	
100-161XS	Syringe adaptor set for BodyGuard Infusion Pump Yellow striped Non- DEHP 1.5X3mm (IDxOD) 20 cm long set with special vented syringe adaptor	
100-162S	Syringe extension line 0.5X3 (ODxID), 1000 mm long with anti siphon anti free flow valve Priming volume 0.2 ml.	

For our customers who are using specially calibrated pumps, we offer our range of SR segment infusion lines.

Our manual priming valve is an optional component and will be assembled upon request. The priming valve will allow priming the set by gravity when pressed by the user, and will serve as an anti siphon and anti free flow valve when not pressed.