B|BRAUN
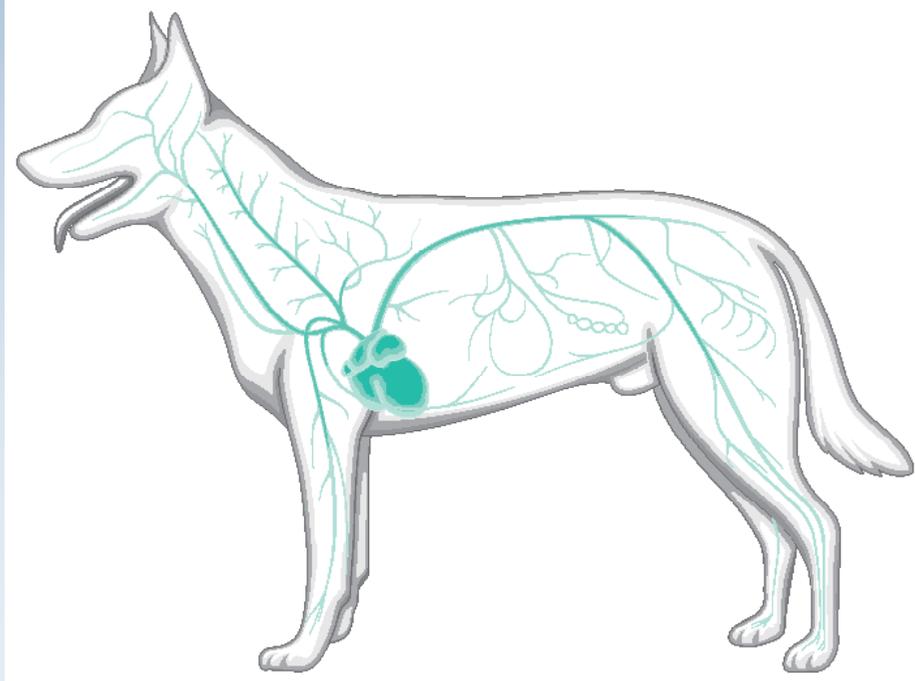
SHARING EXPERTISE

IV THERAPY AND DELIVERY SYSTEMS

INTRODUCTION

INFUSION THERAPY

In fluid and volume replacement therapy, the intravascular and/or extracellular fluid volume is treated with infusion solutions. In the case of threatening or existing fluid deficiencies due to cutaneous, enteral or renal losses, so-called crystalloid infusion solutions can be used to equalize an extracellular fluid deficiency.

The acute loss of intravascular fluids in particular can lead to life-threatening situations. In the case of acute volume loss, such as the loss of blood, colloidal infusion solutions can also be used in addition to crystalloid infusion solutions to replace the corresponding loss of intravascular volume.

From venipuncture to the actual infusion, all components are integral elements of an infusion system. Their interaction creates a system that promotes safe infusion therapy and B. Braun can partner with you in the fluid pathway.

CONTENTS

IV CATHETERS

INTROCAN® SAFETY IV CANNULA

- Offers passive needle-stick injury prevention without modification in cannulation technique
- Automatic safety protection - self-activating clip technology covers needle tip automatically after use
- Ease of catheter advancement
- High flexibility of puncture angle
- Minimum effort for skin and vein penetration

Indication	Gauge Size x mm	Flow Rate (ml/min)	Box Qty	Article No.
Horse, Cattle, Foal	14G x 50 mm	343	4 x 50 pcs	4251717-03
Calf	16G x 50 mm	210	4 x 50 pcs	4251695-03
Short-legged, Large Dog	18G x 32 mm	103	4 x 50 pcs	4251687-03
High volume fluid resuscitation in dogs	18G x 45 mm	96	4 x 50 pcs	4251679-03
Standard Dog	20G x 32 mm	61	4 x 50 pcs	4251644-03
Cat, small Dog	22G x 25 mm	36	4 x 50 pcs	4251628-03
Rabbit, Puppy, Ferret	24G x 19 mm	22	4 x 50 pcs	4251601-03

INTROCAN® CERTO IV CANNULA

- Designed for single handed puncture technique
- Atraumatic catheter tip
- Highly transparent flashback chamber
- The ease of use and increased flexibility of polyurethane reduces the risk of catheter displacement caused by animal movement.

Indication	Gauge Size	Flow Rate (ml/ min)	Box Qty	Article No.
Horse, Cattle, Foal	14G x 50mm	345	4 x 50 pcs	4251369
Calf	16G x 50mm	210	4 x 50pcs	4251350
Short-legged, Large Dog	18G x 32mm	105	4 x 50pcs	4251342
High volume fluid resuscitation in dogs	18G x 45mm	100	4 x 50pcs	4251334
Standard Dog	20G x 32mm	60	4 x 50pcs	4251326
Cat, small Dog	22G x 25mm	35	4 x 50pcs	4251318
Rabbit, Puppy, Ferret	24G x 19mm	22	4 x 50pcs	4251300

VASOVET® WINGED IV CANNULA

Veterinary Bevel

■ New and unique bevel shape, guarantees sharpness with every puncture angle (10° - 45°).

■ VasoVet® displays consistent puncture behaviour irrespective of whether a deep (V. jugularis) or superficial (V. saphena, V. auricularis) vein is punctured. VasoVet® therefore perfectly adapts to the various situations in veterinary medicine.

Indication	Gauge	Flow Rate (ml/min)	Article No.
Horse, Cattle, Foal	■ 14G x 100 mm	275	4269226
Calf	■ 14G x 50 mm	343	4269228
High volume fluid resuscitation in dogs	■ 18G x 45 mm	96	4269138
Short-legged, Large Dog	■ 18G x 32 mm	103	4269355
Standard Dog	■ 20G x 32 mm	61	4269115
Short-legged Dog, Cat	■ 20G x 25 mm	65	4269219
Cat, small Dog	■ 22G x 25 mm	36	4269102
Rabbit, Puppy, Ferret	■ 24G x 19 mm	22	4269075

VENOFIX® SCALP VEIN

■ The flexible interlocking wings and the micro siliconised precision bevel allow an appropriate puncture angle for various venous conditions. Soft wings facilitate a safe fixation on the patient's skin.

■ Enhanced short-term infusion therapy

■ The DEHP-free tubing prevents from kinking to avoid an interruption of infusion therapy.

■ Venofix® A is appropriate for modern infusion therapy in connection with pressure infusion equipment, as it meets the requirements of ISO 8536-9.

Description	Gauge Size	Tubing Length	Useful length (mm)	Flow Rate (ml / min)	Priming Volume (ml)	Article No.
Venofix®	■ 27G (0.40 mm)	30 cm	15	2	0.38	4056388
Venofix®	■ 25G (0.50 mm)	30 cm	20	4	0.39	4056370
Venofix®	■ 24G (0.50 mm)	30 cm	20	8	0.39	4056361
Venofix®	■ 23G (0.65 mm)	30 cm	20	11	0.39	4056353
Venofix®	■ 22G (0.70 mm)	30 cm	20	23	0.39	4056345
Venofix®	■ 21G (0.80 mm)	30 cm	20	26	0.39	4056337
Venofix®	□ 19G (1.10 mm)	30 cm	20	43	0.41	4056310

IV FLUIDS AND IRRIGATION

ECOFLAC® PLUS INFUSION FLUIDS

Description	Size (ml)	Box Qty	Article No.
Sodium Chloride 0.9%	100	20	3521303
Sodium Chloride 0.9%	250	10	3521281
Sodium Chloride 0.9%	500	10	3521222
Sodium Chloride 0.9%	1000	10	3521230
Hartmann's Compound	1000	10	3521257
Glucose 5%	100	20	3521311
Glucose 5%	250	10	3521290
Glucose 5%	500	10	3521265
Glucose 5%	1000	10	3521273

ECOTAINER® IRRIGATION SOLUTION

Ecotainer

Ecobag®

Description	Size (ml)	Box Qty	Article No.
Sodium Chloride 0.9% for Irrigation - Ecotainer	500	10	3521360
Sodium Chloride 0.9% for Irrigation - Ecotainer	1000	6	3521370
Water for Irrigation - Ecotainer	500	10	3521380
Water for Irrigation - Ecotainer	1000	6	3251390
Sodium Chloride 0.9% for Irrigation	3000	4	FREU930
Water for Irrigation	3000	4	FREU932
Glycine 1.5% for Irrigation	3000	4	FREU934

GELOFUSINE®

Gelofusine® is a colloidal volume replacement fluid based on 4% modified fluid gelatin. Several decades of experience in the production and use of modified fluid gelatins positions B. Braun as an excellent partner in the field of volume replacement solutions.

- 100% blood volume expanding effect
- No dose limit
- Long shelf life, stored at room temperature
- Re-sealable ports

Description	Size (ml)	Box Qty	Article No.
Succinylated gelatin* (modified fluid gelatin)	500	10	FV41513

* Refer to brochure for technical specifications (MD8006)

FLUID PATHWAY

DISCOFIX® 3-WAY TAPS

- Suitable for all pressure infusions <4 bar
- Continuous straight flow channels for accurate pressure monitoring
- Directional arrows
- Lipid resistant - does not crack

Description	Box Qty	Article No.
Discofix® C Blue	200	16494C
Discofix® C Red	200	4095120
Discofix® C manifold	50	16605C

COMBI® CAP

Combi® Caps
- Dual function cap with male and female end
- Can be used for re-capping syringe or extension tubing/giving set or any application where a cap is required

Instopper Closing Cone
Designed to close any fluid pathway while allowing needle access through the membrane
- Luer lock connector
- Intermittent injection site
- Compressed injection membrane for needle access
- Yellow for visibility

Description	Box Qty	Article No.
Combi® Cap Blue	1000	4495152
Combi® Cap Red	1000	4495101
Combi® Cap White	100	4495209
Instopper Closing Cone	1000	4238010

STERIFIX® FILTER STRAW

Filter straw for withdrawal and filtration of fluids from large ampoules.

- Particle filtration of 5 μm
- Luer lock connector

Size	Box Qty	Article No.
5 μm, 10cm	100	415020

CARESITE® INJECTION PORT

SWABABLE VALVE

415122   470100

470108   470106

- Acceptable for use with high-pressure power injectors
- Open fluid path design to minimise areas where bacteria can collect
- MRI compatible
- PVC-free
- DEHP-free
- Lipid compatible
- Latex free

Product Data - Caresite® Port

Flow Rate	Up to 208 ml/min
Luer slip and Luer lock	Yes
Pressure Rating	300 PSI @ 10ml/sec
Priming Volume	0.22 ml
Positive Fluid Displacement	0.03 ml (positive)
Number of accesses	216

Description	Priming Volume	Box Qty	Article No.
Caresite® Luer access device (Injection Port)	-	200	415122
Caresite® Extension Tubing			
Caresite® Small bore extension set Spin lock x 20cm	-	100	470100
Caresite® Standard bore extension set Spin lock x 15cm	0.90 ml	100	470108
2x Caresite® Small bore Y-extension tubing Spin lock x 15cm	0.90 ml	50	470106

HEIDELBERG EXTENSION TUBING

Article No. 471954

Heidelberg Extension Tubing
Standard bore tubing

- Inside tubing diameter 3.0mm, outside tubing diameter 4.1mm
- Luer Lock Connector
- Slide clamp (not shown in image)

### Minimum Volume Extension Tubing

- Leur lock connection
- Ideal for use with Perfusor® compact S and Perfusor® Space

Description	Length (cm)	Priming Volume	Box Qty	Article No.
Standard bore tubing				
Heidelberg tubing	10	-	100	4033019
Heidelberg tubing with slide clamp	22	-	100	4033809
Heidelberg tubing with 2 x Y-sites	70	-	100	4034589
Heidelberg tubing	75	-	100	4055128
Heidelberg tubing	140	-	100	4055136
Heidelberg tubing with 1 x Y-site	460	-	100	4038703
Minimum Volume Extension Tubing				
Tubing with Safsite® T-port + slide clamp	12.5	0.3 ml	100	471987
Tubing with Y-site port + slide clamp	10	0.3 ml	100	471954
Minimum volume + slide clamp	30	0.3 ml	200	9500049
Minimum volume + slide clamp	75	0.6 ml	200	9500057
Minimum volume + slide clamp	140	1.0 ml	100	9500065
Minimum volume + slide clamp	180	1.2 ml	100	4097572

INFUSOMAT® LINE SETS: UNIQUE SAFESET TECHNOLOGY

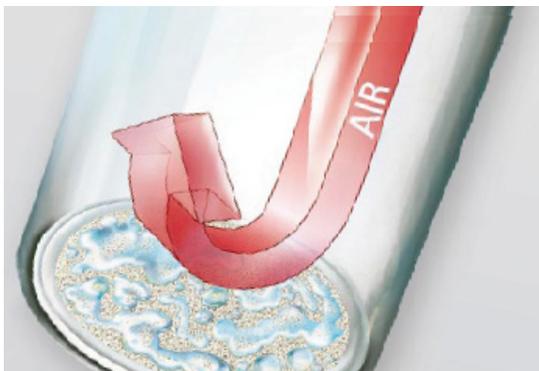## REDUCE NUISANCE AIR ALARMS...

Hydrophilic membrane stops air
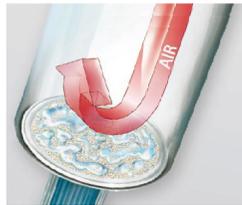
Air Stop

Prevents Air in Line

Hydrophobic membrane stops fluid

Prime Stop

Eliminates Priming Spillage

The innovative AirStop helps prevent air infusion, and won't let the line run dry

When the container is empty, AirStop maintains a constant fluid level and no air can get through to the patient. The filter has the two advantages, a unique airtight filter membrane acts as a barrier, protecting against air infusion while retaining particulate matter 15 µm and below. Thanks to AirStop, switching over to fluids container requires less manipulations like opening the circuit, risk free respiking, less stress, and therefore more calm environment in the clinics..

Protective cap

A new protective cap lined with a hydrophobic membrane stops fluid leaking and protects against contamination.

PrimeStop

PrimeStop automates priming and ends messy dripping

- PrimeStop ensures that the line fills automatically.
- No more infusion fluid drips on hands, floor or bedding.
- Now you can prepare several infusions at once, quicker and more hygienic than ever before.
- PrimeStop maintains a closed system until connected to the patient.
- Effective contamination prevention.

INTRAFIX® PRIMELINE

CHOICES THAT ENHANCE THE OVERALL FUNCTION OF IV ADMINISTRATION

You can choose from a variety of add-ons e.g. that automate priming, make parallel pressure and gravity infusions safer, simplify injection and piggybacking procedures and many more.

Eurofix® Injection Site with handy, safe grip plate
Ensures secure drug injection and piggybacking with its latex-free, resealable port. Air-free priming.

Caresite® capless injection valve
Offers convenient and safe needle-free access for injection, aspiration or parallel infusions as a closed system, Latex free

Infuvalve® Back Check Valve prevents backflow
More safety during parallel pressure and gravity infusions. No blood reflux, Latex-free.

Discofix® C Stopcock, drug resistant
For convenient needle-free injection, aspiration or parallel infusion.

Luer-Lock connector with PrimeStop Cap
Automatic priming, prevents fluid from dripping out, closed system until connected to the patient.

Transparent UV protection
Tubing and drip chamber with transparent light protection to recognize residual air in the tubing and drips in the drip chamber with nomal eyesight.

INTRAFIX® PRIMELINE ADMINISTRATION SETS

Intrafix® Primeline – Reliable quality, established in practice

The universal practicality of the Intrafix® IV set line has been proven billions of times worldwide. User-friendly designed core elements like the drip chamber and roller clamp enable secure gripping and easy handling.

Description	Gravity / Pressure	Injection Port	Box Qty	Length (cm)	Article No.
Intrafix® Primeline	Gravity	Y site	100	180	4062181
Intrafix® Primeline	Pressure	Grip Plate	100	180	4062182
Intrafix® Primeline Safeflow Needle-Free Valve	Pressure	Safeflow®	100	180	4062158
Intrafix® Primeline Caresite® Needle-Free Valve	Pressure	Caresite®	100	180	4062158C
Intrafix® Safeset	Pressure	Grip Plate	100	180	40063005
Intrafix® Safeset w. Caresite®	Pressure	Caresite®	100	210	4063004

INTRAFIX® WITH EXADROP® FLUID ADMINISTRATION SETS

Solution administration set for gravity infusion with dial-a-dose control.

- Easy flow rate selection (ml/h)
- Maintains and delivers selected flow rate (ml/h)
- Bacteria proof air inlet with snap vent for pressure equalisation
- 180cm tubing length
- 15 micron filter
- Australian Standard piercing spike
- Slide clamp
- Safesite® injection port*

Description	Box Qty	Article No.
Intrafix® Air with Exadrop® with Safsite®	50	4050183

SANGOFIX® ES BLOOD/SOLUTION DELIVERY SET

Sangofix® Blood/Solution administration set for gravity infusion

- 180cm tubing length
- 20 drops per ml
- 200 micron, 32cm2 filter
- Australian Standard piercing spike
- Roller clamp for flow control
- Swivel lock connection

Description	Box Qty	Length (cm)	Article No.
Sangofix® ES with needle access with Y-site	80	180	4100514
Sangofix® ES with Safsite®	80	180	4051998
Sangofix® ES with Safeflow	80	180	4051998H
Sangofix® with Safesite®	100	180	4052218
Sangofix® with Caresite®	100	180	4052218H

DOSIFIX® VOLUME CONTROL BURETTE FOR GRAVITY INFUSION (SOLUTION)

Dosifix® is a volume control burette for gravity infusion.

- 160cm tubing length
- 60 drops per ml
- Calibrated 150ml burette
- Australian Standard piercing spike
- Roller clamp for flow control
- Swivel lock connection
- Hanger to raise height of burette
- Automatic shut-off swim valve to prevent air in line and risk of air embolism

With needle-free access:

- With valve access to burette chamber and tubing for injection
- With Safeflow for injection into burette and tubing

Description	Box Qty	Article No.
Dosifix® Volume Control Burette with Safsite®	25	4054504
Dosifix® Burette only with Safsite®	25	4055594
Dosifix® Burette with Safeflow®	25	4055594H

INFUSOMAT® SPACE LINE SET SPECIFICATIONS

Type SafeSet

Infusomat® Space Lines - Type SafeSet	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Airstop, Primestop	Yes	No	100	250	8701148SP
	Airstop, Primestop	No	Yes	100	250	8701149SP
	Airstop, Primestop,longer tube	Yes	No	100	300	8270358SP
	Airstop, Primestop, needle-free Safeflow® injection port	No	Yes	100	300	8700118SP

Infusomat® Space Lines Type IV - Standard	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Airstop, Primestop	Yes	No	100	250	8700036SP
	Airstop, Primestop Longer Tube	Yes	No	100	300	8270350SP
	Airstop, Primestop,longer tube	No	Yes	100	250	8250731SP
	Airstop,Primestop,needle-free Safeflow® injection port	No	Yes	100	300	8700110SP

Infusomat® Space Lines Type IV- Standard	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	With Sterifix®, particle & air filter 0.2µm, AirStop, PrimeStop	No	Yes	20	250	8700098SP
	With Sterifix®, particle & air filter 0.2µm	No	Yes	20	250	8700095SP

Infusomat® Space Lines Type Transfusion	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Drip Chamber with integrated blood filter (200µm pore size)	Yes	No	100	250	8270066SP

Therapy Specific Variants

Infusomat® Space Lines Type Piggy-back Neutrapur	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Primary line with BCV* & needle-free Safeflow injection port, AirStop, PrimeStop	No	Yes	25	300	8250718SP

Infusomat® Space Lines Type Piggy-back Neutrapur®	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Primary line with BCV* & needle-free Safeflow injection port	No	Yes	25	300	8250710SP
	Secondary line patient connector with integrated BCV*, AirStop, PrimeStop	No	Yes	25	75	4062878

Infusomat® Space Lines Type Transfusion	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	Transparent light protection	No	Yes	100	250	8700127SP
	Transparent light protection, AirStop, PrimeStop	No	Yes	100	250	8700128SP

Infusomat® Space Lines Type Neonatology	Additional Features	PVC (DEHP -Free)	Neutrapur (DEHP-Free)	Box Qty	Length (cm)	Article No
	150ml Dosifix® Burette needle-free Safeflow injection port	No	Yes	25	270	8250245SP

PHARMACY ACCESSORIES

FOR DRUG ADMIXTURE AND DELIVERY

Ecoflac® Mix
Needle-free admixture tool designed to be used in conjunction with Ecoflac® plus.
- Needle-free drug reconstitution
- Ideal for cytotoxic solutions

Ecopin
The original tamper-proof seal for the injection port after drug admixture to be used in conjunction with Ecoflac® plus.
- Dedicated design prevents further manipulation of the used port system

Injection Filter
- For use between the syringe and I.V fluid line
- For the reduction of microbial and particle contamination
- Luer Lock fitting

Mini-Spike®
Vented Dispensing Pin for injecting and withdrawing fluids from vials to be used in conjunction with Ecoflac® plus.
- Reduces risk of contamination
- Integrated 0.45 um air filter
- Swabale access valve
- Accepts luer lock or luer slip syringes

Transofix®
Needle-free admixture tool designed to be used in conjunction with Ecoflac® plus.
- Mobile irrigation device delivering high volume jetstream
- Transferring contents between containers

Micropin
Needle-free admixture tool designed to be used in conjunction with Ecoflac® plus.
- Needle-free access container
- Eliminates needle-stick injury

Description	Box Qty	Article No.
Ecoflac® Mix	250	16401
Ecopin	100	4125002
Sterifix® Injection Filter 0.2 μm	1	4099206
Mini-Spike® 2	50	4550590
Transofix®	200	4090500
Micropin	500	7B5019

INJECTION

STERICAN®

STERILE HYPODERMIC NEEDLES

Single-use needle for subcutanous, intramuscular, intravenous and intra-arterial injections

- 3-facet bevel for minimal pain upon puncture with short /long bevel according to the indication
- Thin-walled needle: made of stainless, chromium-nickel steel with extremely smooth surface with light silicone coating
- Latex-free / PVC-free
- Individually sterile packed, in dispenser boxes containing 20 practical packages with 5 pcs

Description	Gauge Size	Length (inch)	Length (mm)	Box Qty	Article No.
Sterican®	■ 27G	3/4"	0.40 x 20	100	4657705
Sterican®	■ 26G	1"	0.45 x 25	100	4657683
Sterican®	■ 24G	1"	0.55 x 25	100	4657675
Sterican®	■ 23G	1"	0.60 x 25	100	4657667
Sterican®	■ 23G	1 1/4"	0.60 x .30	100	4657640
Sterican®	■ 22G	1 1/4"	0.70 x 30	100	4657624
Sterican®	■ 21G	1½"	0.80 x 40	100	4657527
Sterican®	■ 20G	1½"	0.90 x 40	100	4657519

SPECIFIC INDICATION

Description	Gauge Size	Length (inch)	Length (mm)	Box Qty	Article No.
Upper and lower jaw, Conduction anesthesia	■ 27G	1½"	0.4 x 40	100	9186182
Nerve block anesthesia	■ 27G	1"	0.4 x 25	100	9186174
Sterican® blunt / without bevel	■ 27G	1"	0.4 x 25	100	9180117
Infiltration anesthesia	■ 25G	1"	0.5 x 25	100	9186158
Upper and lower jaw, Conduction anesthesia	■ 25G	1½"	0.5 x 40	100	9186166
Sterican® blunt / without bevel	■ 21G	7/8''	0.8 x 22	100	9180109

STERICAN® FOR SPECIAL INDICATIONS

Single -use needles for special indications

- 3-facet bevel for minimal pain upon puncture with short/long bevel according to the indication.
- Transparent Luer-Lock fitting made of Polypropylene
- Easier indentification through colour-coded hub conforms to ISO 6009
- Thin-walled needle: made of stainless, chromium-nickel steel with extremely smooth surface with light silicone coating
- Latex-free / PVC free
- Individually sterile packed, in dispenser boxes containing 20 practical packages with 5 pieces

Description	Gauge Size	Length (inch)	Length (mm)	Box Qty	Article No.
Sterican® Insulin needle	30G	1/2''	0.3 x 12	100	4656300
Sterican® Insulin needle	27G	1/2''	0.4 x 12	100	4665406
Sterican® Insulin needle	26G	1/2''	0.14 x 12	100	4665457
Sterican® Heparin Tuberculin	25G	5/8''	0.5 x 16	100	4657853
Sterican® for neural therapy	23G	3 1/8"	0.6 x 80	100	4665635
Sterican® for neural therapy	23G	2 2/5"	0.6 x 60	100	4665600
Sterican® for blood sampling	22G	1 1/2"	0.70 x 40	100	4660021
Sterican® for specific indications	22G	2"	0.7 x 50	100	4650018
Sterican® intramuscular, with short bevel	21G	2"	0.8 x 50	100	4665503
Sterican® deep intramuscular	21G	3 1/8"	0.8 x 80	100	4665465
Sterican® for neural therapy	21G	4 4/5"	0.8 x 120	100	4665643
Sterican® for blood sampling	20G	1''	0.90 x 25	100	4657500
Sterican® intramuscular, with short bevel	20G	2"	0.9 x 50	100	4667093
Sterican® deep intramuscular	20G	2 3/4"	0.9 x 70	100	4665791
Sterican® for blood sampling	19G	1 1/2"	1.1 x 40	100	4657799
Sterican® for blood sampling	19G	1 1/4''	1.1 x 30	100	4665317
Sterican® for blood sampling, with short bevel	19G	1 1/2"	1.1 x 40	100	4665112
Sterican® intramuscular, with short bevel	19G	2"	1.1 x 50	100	4665511
Sterican® intramuscular, with short bevel	18G	2"	1.2 x 50	100	4667123
Sterican® for blood sampling, with short bevel	18G	1 1/2"	1.2 x 40	100	4665120
Sterican® for specific indications	14G	3 1/8"	2.1 x 80	100	4665473

INJEKT®

Extended graduation

- Allows for exact dosage beyond the nominal volume

Nominal volume	Usable up to
2 ml	3 ml
5 ml	6 ml
10 ml	12 ml
20 ml	24 ml

High barrel transparency

- Simplifies inspection of the syringe's content

Green plunger

- For easy recognition of the filling volume

Black graduation

- For ideal contrast and readability

Smooth and steady plunger action

- Latex-free
- Silicone-free
- Ideal for use in fields of artificial insemination and semen transfer

Description	Volume	Luer	Box Qty	Article No.
Injekt® 2-piece Syringe	1 ml	Luer slip, centric	100	9166017V
Injekt® 2-piece Syringe	2 ml	Luer slip, centric	100	4606027V
Injekt® 2-piece Syringe	5 ml	Luer slip, centric	100	4606051V
Injekt® 2-piece Syringe	10 ml	Luer slip, centric	100	4606108V
Injekt® 2-piece Syringe	20 ml	Luer slip, centric	100	4606205V
Injekt® 2-piece Syringe	2 ml	Luer lock, centric	100	4606701V
Injekt® 2-piece Syringe	5 ml	Luer lock, centric	100	4606710V
Injekt® 2-piece Syringe	10 ml	Luer lock, centric	100	4606728V
Injekt® 2-piece Syringe	20 ml	Luer lock, centric	100	4606736V

OMNIFIX

- Hypodermic Syringes for single use.
- Sizes 2 - 50ml
- Made of Polypropylene/Polyisoprene
- Highly transparent barrel
- High contrast black graduation
- Permanent marking
- Safe plunger backstop
- Piston with double sealing ring for slow aspiration and injection
- Latex-free
- According to ISO 7886-1
- Box of 100 pcs

Description	Volume	Luer	Box Qty	Article No.
Omnifix® 3-piece Syringe	3 ml	Luer lock, centric	100	4617022V
Omnifix® 3-piece Syringe	5 ml	Luer lock, centric	100	4617053V
Omnifix® 3-piece Syringe	10 ml	Luer lock, centric	100	4617100V
Omnifix® 3-piece Syringe	20 ml	Luer lock, centric	100	4617207V
Omnifix® 3-piece Syringe	30 ml	Luer lock, centric	100	4617304F
Omnifix® 3-piece Syringe	50 ml	Luer lock, centric	100	4617509F
Omnifix® 3-piece Syringe	50/60 ml	Catheter tip	100	4613503F
Omnifix® 3-piece Syringe	100 ml	Catheter tip	100	4614003F

OMNICAN® GENTLE

- Large, easy to read scale for an exact dosage
- Protective caps at the ends of the syringe guarantee its stability
- The crystal clear barrel of the syringe makes sure that air bubbles are easily identified
- Piston with double sealing ring
- Round shaped cylinder with black scale
- Materials: PP, PS, IR, PE, stainless steel, Silicone oil
- Latex-free, PVC-free, DEHP-free
- Product standard: EN ISO 8537

| Description	Gauge Size	Length (mm)	ml	Box Qty	Article No.
For IU-100 Insulin					
Omnican® 50	30G	8	0.5	100	9151117S
Omnican® 100	30G	8	1.0	100	9151133S
Omnican® 100	30G	12	1.0	100	9151141S
For IU-40 Insulin					
Omnican® 40	30	12	1.0	100	9161627

AUTOMATED INFUSION SYSTEMS

With the involvement of Dr. Hess' in 1951, B. Braun introduced the first mechanical syringe pump on the market - the Perfusor®. Today, with more than 65 years of experience, B. Braun has introduced a fully modular system that has quickly become a benchmark in automated infusion technology for the Australian Veterinary market.

B. Braun Space is smart, simple, flexible, safe and affordable. Whether a standalone infusion device or a fully networkable ICU station is required, the modularity of Space can be achieved by matching hardware and software capabilities.

The option is yours to meet your clinical requirements.

Key delivery capabilities:

- Colloids and whole blood (validation available)
- Crystalloids
- Cytotoxic and light sensitive
- Enteral nutrition
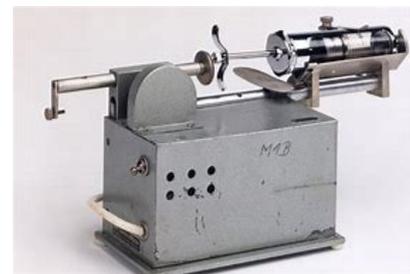
First pump created in 1951 By Dr. Hess

STAND-ALONE OR MODULAR INFUSION SYSTEM

Manufactured in Melsungen, Germany, the TGA registered Perfusor®, Infusomat® Space and Infusomat® Space P are one of our smallest, lightest and safest infusion devices offering a broad range of functionality as standard, all with a 2 year warranty.

Infusomat Space IV Pump Dedicated Lines	Infusomat Space P IV Pump Generic Lines	Perfusor Space - Syringe Drug Library

- High delivery accuracy
- Validated for colloids
- ARTG* number 114011

- Lower running costs
- Lower capital investment
- ARTG* number 114011

- Accepts 2ml – 60ml Syringes
- Standard Drug Library available on request**
- ARTG* number 116814

Handling and characteristics	Operation	Investment protection
Compact and robust	Adjustable alarm volumes	Upgradable software
Externally accessible battery	Adjustable occlusion pressure	Battery maintenance mode
Pole mount doubles as carry handle	Alter Infusion parameters on the fly	5 year warranty on batteries
Highly modular, MRI compatible case available	Standardised operation/data input across all models	Service centre in Sydney***
Networkable	WiFi Batteries available	Remote monitoring possible

*Australian Register of Theraputic Goods, **DL Personalsiation is available, ***Service agreements are available

VOLUMETRIC AND SYRINGE INFUSION PUMPS

INFUSOMAT® SPACE AND PERFUSOR® SPACE. TWO PUMP TYPES – ONE CONCEPT

Smaller, lighter and safer to handle than any comparable system; Infusomat® Space® and Perfusor® Space continue to set the standards in infusion technology.

The user interface for both pump types is identical. This uniformity lowers costs for medical and technical training, streamlines workflow and raises safety standards.

Simplicity and safety are standardised.

Core System Features

- Locking/unlocking mechanism
- Guide slots

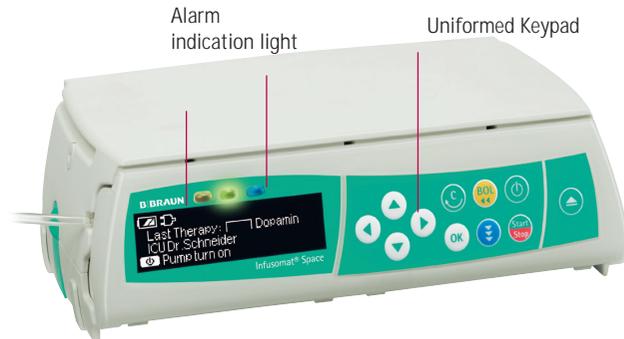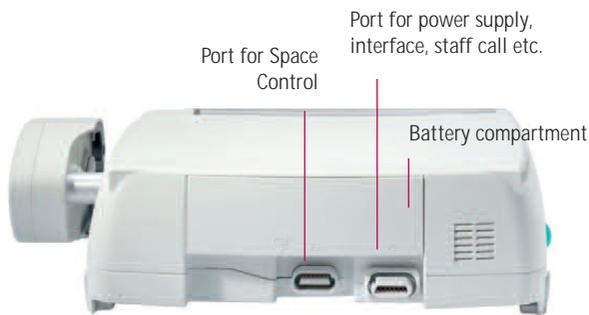- Up to three pumps can be stacked on top of each other and locked together

- Pole clamp allows horizontal and vertical mounting of up to three separate pumps

- Carrying handle integrated in the pole clamp

- Lighted keypad and display
- Totally networkable

Port for Space Control

Port for power supply, interface, staff call etc.

Battery compartment

Alarm indication light

Uniformed Keypad

Help prompts

Drug display (Optional Extra)
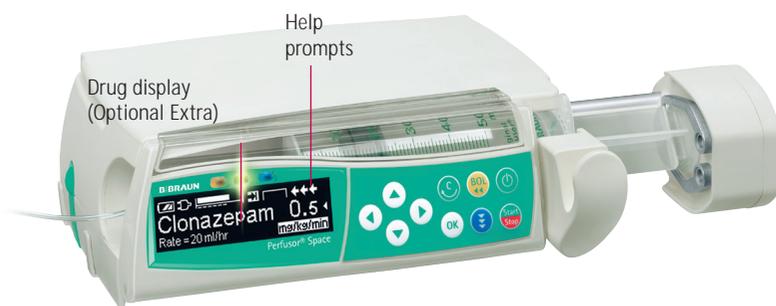
Uniform rechargeable battery pack WiFi or Standard

INFUSOMAT® SPACE

DEDICATED B. BRAUN LINES

Infusomat® Space features double the protection, with two anti-free flow clamps. One within the pump and another directly on the Infusomat® Space-Line.

Free flow is reliably prevented even if the roller clamp is not closed before removing the line.
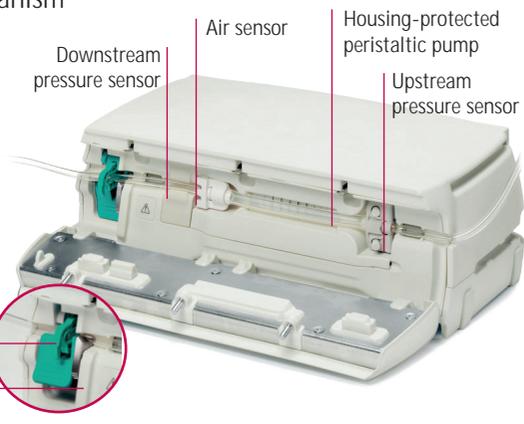

Anti-free flow clamp built into set and pump and removal mechanism

Front cover with motorised closing mechanism

The Peristaltic cover can be removed for cleaning

- Macro mode: Adapt the display screen size
- Help prompts: Operating instructions display in brief
- Alarm volume settings: Adjust the volume of the audible alarm as required
- Data lock: Protects against unauthorised tampering
- Customisable drug library options available

Downstream pressure sensor

Air sensor

Housing-protected peristaltic pump

Upstream pressure sensor

Anti-free flow-clamp built into set
Anti-free flow-clamp built into pump
Removal mechanism

Technical Data - Volumetric Infusion Pump			
Classification	Defibrillation-proof, CF type, class II protection rating, in compliance with IEC/EN 60601-1 Class IIb in compliance with Council Directive 93/42/EEC	Battery	NiMH 4 hours at 100ml/h 6 hours full recharge
Moisture Protection	IP 22 (drip protected for horizontal usage)	Accuracy of set delivery rate	± 5% over 96 h With original Infusomat® Space-Line
EMC	IEC/EN 60601-1-2, IEC/EN 60601-2-24, EN 55011	Bolus delivery	Delivery rate 1 - 1200 ml/h Max. Bolus volume 99.99 ml - Bolus on demand - Bolus with volume/dose preselection - Bolus over time (1 min - 24 h)
Operating conditions	+10 ... + 40°C		
Size	214x68x124 mm (WxHxD),	Volume preselection	0.1 - 9999 ml 0.1 - 99.99 ml in 0.01 ml increments 100.0 - 999.0 ml in 0.1 ml increments 1000 - 9999 ml in 1 ml increments
Weight	approx. 1.4 kg		
Approved disposables	Original Infusomat® Space-Line	Time preselection	00:01- 99 h 59 min
		Rate calculation	Automatic rate calculating volume over time or by dose

Description	Box Qty	Article No.
Infusomat® Space (Dedicated Set)	1	8713050

INFUSOMAT® SPACE P

HIGH PERFORMANCE INFUSION PUMP FOR STANDARD INFUSION LINES

Infusomat® Space P has a lower capital cost. By accepting most generic giving sets, you have freedom to control your consumables. B. Braun always recommends the use of TGA registered consumables.

- Calibrated for use with most generic giving sets.
- Automatic rate calculation by calculating volume over time
- Automatic calculation of delivery rate in ml/h based on the entry of drug concentration in conjunction with the desired dose rate (e.g.: ml/kg/min)

Drug Library capabilities:

- Up to 720 drug names including therapy data and information can be stored in 15 categories
- Drug specific soft and hard limits as well as de fault values can be specified

Technical Data - Volumetric Infusion Pump			
Classification	Defibrillation-proof, CF type, class II protection rating, in compliance with IEC/EN 60601-1 Class IIb in compliance with Council Directive 93/42/EEC	Battery	NiMH 4 hours at 100ml/h 6 hours full recharge
Moisture Protection	IP 22 (drip protected for horizontal usage)	Accuracy of set delivery rate	± 5% over 96 h With original Infusomat® Space-Line
EMC	IEC/EN 60601-1-2, IEC/EN 60601-2-24	Bolus delivery	Delivery rate 1 - 1200 ml/h Max. bolus volume 99.99 ml - Bolus on demand - Bolus with volume/dose preselection - Bolus over time (1 min - 24 h)
Operating conditions	+10 ... + 40°C		
Size	214x68x124 mm (WxHxD),	Volume Preselection	0.1 - 9999 ml 0.1 - 99.99 ml in 0.01 ml increments 100.0 - 999.0 ml in 0.1 ml increments 1000 - 9999 ml in 1 ml increments
Weight	approx. 1.4 kg		
Approved disposables	Intrafix Primeline	Time preselection	00:01- 99 h 59 min
		Rate calculation	Automatic rate calculating volume over time or by dose

Description	Box Qty	Article No.
Infusomat® Space P	1	8713070

PERFUSOR® SPACE

CHANGING SYRINGES IS NOW MORE CONVENIENT AND SAFER THAN EVER BEFORE

The innovative drive technology of Perfusor® Space not only ensures excellent start up and delivery properties, but also delivers safety and unique convenience when changing syringes.

Automatic function synchronisation prevents handling mistakes during syringe change.

A piston brake prevents free-flow of the syringe and eliminates micro boluses.

- Syringe holder with integrated plunger stop

- Automatic syringe mount
- Drive head made of impact-resistant material

- Syringe lighting and magnification effect

- Extremely robust and hardy
- Simple and accurate data entry
- Delivers precise volumes and rates
- Includes default drug library
- Accepts syringes from 2ml to 60ml

Technical Data - Syringe Driver			
Classification	Defibrillation-proof, CF type, class II protection rating, in compliance with IEC/EN 60601-1 Class IIb in compliance with Council Directive 93/42/EEC	Battery	NiMH 8 hours at 25ml/h 6 hours full recharge
Moisture Protection	IP 22 (drip protected for horizontal usage)	Accuracy of set delivery rate	± 2% in compliance with IEC/EN 60601-2-24
EMC	IEC/EN 60601-1-2, IEC/EN 60601-2-24, EN 55011	Bolus delivery	Delivery rate 1 - 1800 ml/h Max. Bolus volume 99.99 ml - Bolus on demand - Bolus with volume/dose preselection - Bolus over time (1 min - 24 h)
Operating conditions	+5 ... + 40°C		
Size Weight	249x68x157 mm (WxHxD, while parked) approx. 1.4 kg	Volume preselection	0.1 - 9999 ml 0.1 - 99.99 ml in 0.01 ml increments 100.0 - 999.0 ml in 0.1 ml increments 1000 - 9999 ml in 1 ml increments
Approved disposables	Syringe types: B. Braun Perfusor®/Omnifix®; BD, Terumo, Monoject Sizes: 2/3, 5, 10, 20, 30, 50/60 ml	Time preselection	00:01 - 99 h 59 min
		Rate calculation	Automatic rate calculating volume over time or by dose

Description	Box Qty	Article No.
Perfusor® Space	1	8713030

SPACESTATION WITH COMM'S

Our Space Station with comm's gives you the ability to operate and charge 4 pumps at one time, but also becomes an interface to upgrade drug libraries, software and new features such as Data lock, PCA (Controlled Analgesic), Occluguard (Low pressure device alarm for the Perfusor Space). In an ICU setting, the SpaceStation centralises devices and minimises the hardware footprint.

SpaceCom is used to connect external devices for the data documentation in a Patient Data Management System, PC or USB memory stick.

Advantages

- Can connect 6 Space Stations to hold 24 pumps
- Data communication interface for up to 24 pumps can be optionally integrated into a SpaceStation
- Interfaces: Ethernet, RS 232, USB for barcode reader and storage devices, wireless LAN
- All conventional interfaces are available for linking B. Braun Space systems to the hospital network or to an external Clinical Information System
- For use with any standard Internet browser to access infusion data, medical histories, or the servicing information of all Space workstations connected to the network.

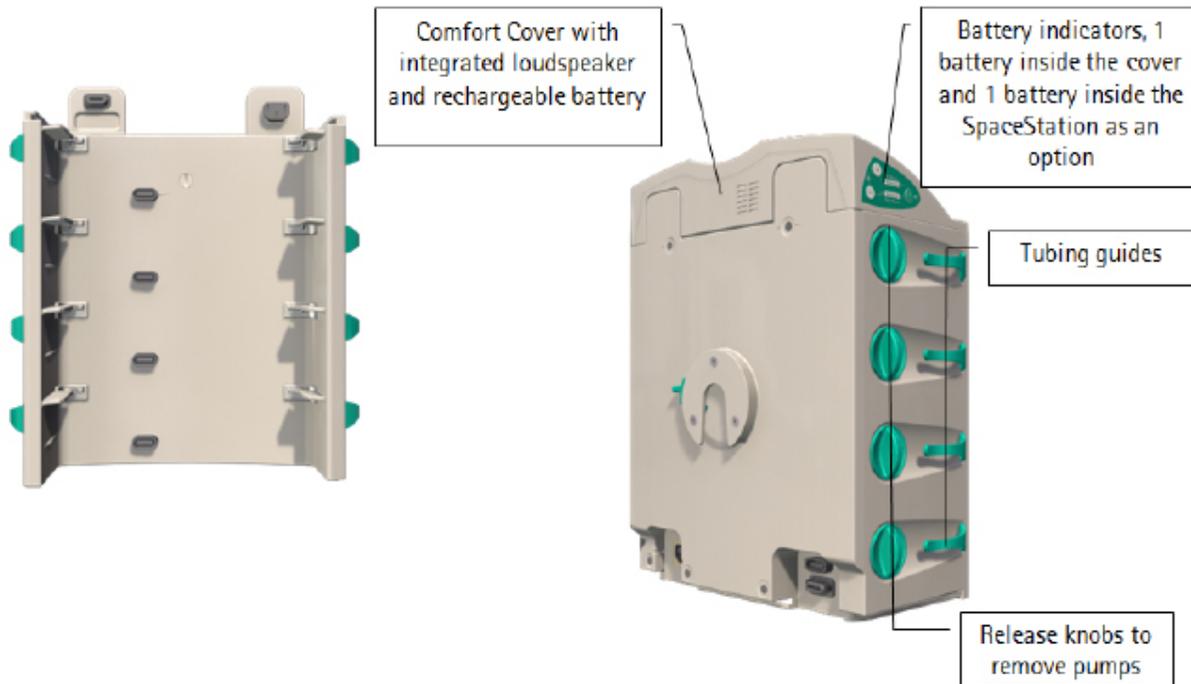**SpaceStation, SpaceCover and SpaceCom**

- Audiovisual status indicator
- tool-free assembly
- Quick "click-in" of pumps
- Every pump type fits in every slot
- Removal does not affect other pumps
- Integration in staff-call systems

- Compact Flash Card for Wireless LAN
- Ethernet RJ45
- PS/2 for barcode
- RS232
- USB Slave Port
- USB-Master port

- Up to 6 SpaceStations / bed
- Up to 24 pumps / bed
- Up to 3 pillars / bed

Description	Box Qty	Article No.
SpaceStation with comm's	1	8713142
SpaceCom Retrofitting kit	1	8713160

SPACESTATION STANDARD

Comfort Cover with integrated loudspeaker and rechargeable battery

Battery indicators, 1 battery inside the cover and 1 battery inside the SpaceStation as an option

Tubing guides

Release knobs to remove pumps

Our Standard SpaceStation can be used for charging your pumps in any configuration and gives you a clean tidy work flow. In and ICU setting, the SpaceStation centralises devices and minimises the hardware footprint.

- Multi Space charging Station
- 4 pumps, one power supply
- Each SpaceStation is rated to hold 6 pumps in any configuration with only 4 pumps actively charging.
- Space-saving solutions improve workplace ergonomics
- Portable with a quick release from the pole clamp
- Tubing holders to keep lines tidy
- Can connect 6 SpaceStations to hold 24 pumps

Description	Box Qty	Article No.
SpaceStation Standard	1	8713140

SPACECOVER OPTIONS

■ The SpaceCover Standard with integrated carrying handle converts the B. Braun SpaceStation into a portable unit.

■ The SpaceCover Comfort acts as the communication display for all Space Pumps inserted in the SpaceStation. The integrated visual and audible alarms of the SpaceCover Comfort centrally identify the status of the Space infusion devices, with alarm and pre-alarm conditions

Description	Box Qty	Article No.
SpaceCover Standard	1	8713147
SpaceCover Comfort	1	8713145

SPACESTATION MRI

SpaceStation MRI shields the pumps against magnetic fields and thereby ensures interference-free images.

When Space infusion pumps are used, special treatments like TCI can be given during MRI examinations.

Performance Data

■ Shielded aluminium housing (RAL 9002)

■ Dimensions: HxWxD: 375 mm x 450 mm x 311 mm without trolley

■ Dimensions: HxWxD: 1350 mm x 656 mm x 600 mm when mounted on trolley

Description	Box Qty	Article No.
SpaceStation MRI	1	8713152

WIFI BATTERY

Battery-Pack SP With WiFi on board allows you to operate stand alone pumps in modern IT infrastructure.

- Inbound and outbound data communication protocols support the integration into modern workflow concepts within the hospital.
- In combination with the B. Braun Online Suite, You will be able to upload drug libraries wirelessly
- Monitor all connected pumps from one location with in the hospital or login remotely to check your patients pump

Battery module:
Lithium Ion battery cell

Description	Box Qty	Article No.
WiFi NiMh Battery	1	8713182A
Standard NiMh Battery	1	8713180A

POLE CLAMP

Space Pole Clamp will rotate 360° and lock into place in 45° angles, allowing you to clamp to horizontal or vertical poles
- Line pump up with the Pole clamp guide rails.
- Slide pump fully into place onto the guide rails.
- An audible "Click" should heard.
- Test the pump is secure.
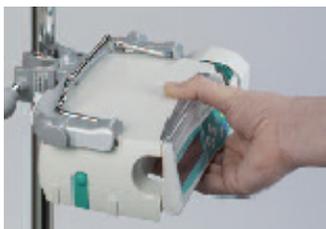
The pump is now securely attached to the Pole Clamp.
- Do not lean on the pump when attached to the Pole Clamp.
- Do not position the pump unit above the patient.

To release the pump from the Pole Clamp
- Hold pump in one hand and with the other push down on the silver handle and press the white clip at the back of the bracket, this will release the pump
- Pull the pump forward and remove

Description	Box Qty	Article No.
Pole Clamp	1	34251151

COMBI LEAD

The Combi lead will allow you to connect and charge 3 Space units in any configuration, using one power supply cord.

Description	Box Qty	Article No.
Combi Lead	1	8713133

CAR POWER SUPPLY (12 V)

The car adaption cable is designed to allow for patient transport without disruption to power supply.

■ Plugs into a 12v power supply
■ Converts the power to adapt to the Space units.

| Description	Box Qty	Article No.
Car power supply	1	8713231

PCA KIT

■ PCA is a Programmed Controlled Analgesia*, that will allow the Nurse or Vet to deliver a pre-set bolus of medication to the patient.
■ Data lock can also be engaged to stop tampering or change of dose rate
■ With the use of standby mode you can set a timed reminder for when your patients next dose is due.
■ One push dose delivery

* we considered calling it "Paw Controlled Analgesia", but we decided "Programmed" was more appropriate

Description	Box Qty	Article No.
PCA Kit	1	8713554

PCA LOCK BOX
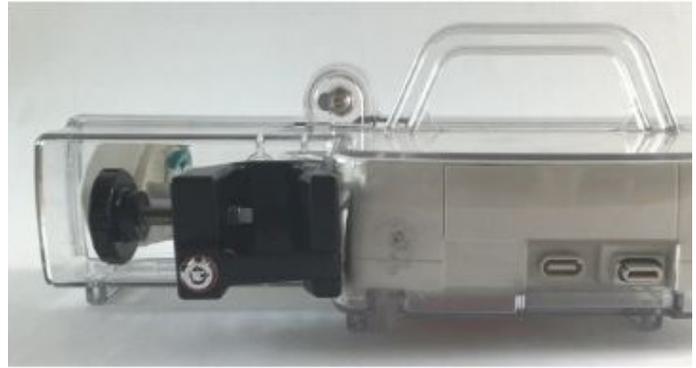
- The PCA Lock Box is designed to encase the Perfusor Space unit for security.
- With the Perfusor Space locked inside the case, tampering or removal of a syringe will not be possible.
- The PCA Lock Box can be securely locked to an I.V stand for security.

Description	Box Qty	Article No.
PCA Lock Box	1	8713557

SYRINGE ANTI REMOVAL CAP

The Syringe Anti Removal Cap is placed over the drive head from the front and is fixed with the PCA-key (270° clockwise rotation).
This stops syringes being tampered with or being removed.

Caution: When Syringe Anti Removal Cap is used, always change the syringe as soon as the "syringe empty" alarm appears.

Description	Box Qty	Article No.
Syringe anti removal cap	1	8713556

CUSTOM I.V STAND

B. Braun's Custom I.V stand is sturdy enough to hold up to 6 fluid pumps with 4 being housed in our SpaceStation unit.

The I.V pole stands at 101″ (256cm) fully extended and 75″ (190cm) compressed

- With 5 Stainless steel hooks to accommodate any combination of fluid bags or bottles
- Six legged heavyweight base 22″ Diameter (56cm) with an off white epoxy finish
- 6 soft rubber 3″ (7.60cm) ball bearing casters
- Telescoping stainless steel I.V pole with a slow descending inner pole.
- The high quality construction, premium wheels and lower centre of gravity makes this a logical choice to house your Space devices

Description	Box Qty	Article No.
Custom I.V Stand 6 legs	1	N7516

ENOUGH ABOUT HARDWARE, WHAT ELSE CAN SPACE DO!

Functions	
KVO (Keep Vein Open)	When a therapy ends, KVO activates and the low-flow rate ensures the vein doesn't occlude.
Blood, Solution, Nutrition	Infusomat Space has validation to deliver Blood products, Solutions or Enteral Nutrition.
Drug Library	Perfusor Space is equipped with a Veterinary default Drug Library that includes 14 common medications used in Veterinary Medicine. If you want to customise your own, let us know - we're flexible.
Networking	Through the use of the WiFi battery or SpaceStation with Comm's, Space can connect to your LAN and you can monitor infusions remotely, in real time.
TCI (Target Controlled Infusion)	Space has in-built algorithms that allows you to deliver a bolus followed by a continued rate to effect.
CRI (Constant Rate Infusion)	Space' on board dose rate calculator allows continuous low-dose administration, based on dose per body weight over time.
PCA (Programmed Controlled Analgesia)	With the PCA Kit attached, the clinical team can pre-program a therapy of a medication and administer the desired dose at the click of a button. A holding period is then activated until the next dose can be delivered.
TOM (Take Over Mode)	Takeover Mode automatically starts the second pump as soon as the first pump finishes its therapy. SpaceStation with Comms is required to allow pump-to-pump communication.
Occluguard	Occluguard is a Smart Alarm that automatically adapts to any infusion, pre-alerting the clinician to occlusions, closed valves, blocked filters, kinked lines and syringe effects.
Data Lock	Data lock allows the administrator to lock down a pump to avoid inadvertent or unwanted adjustments to a therapy. There are 3 levels of data lock, each level with increasing restrictions. All levels require a passcode to make any changes.
Stand By Mode	Allows the administrator to set a therapy in advance, up to 24 hours. The time can also be set as required and act as a reminder alarm, so if it gets busy, you don't forget.
Battery Maintenance	Battery maintenance mode periodically discharges, calibrates and recharges the battery therefore extending the battery working life and displaying accurate remaining run times.

Notes