PAJUNK®

InFiltra & InfiltraLong
Wound Infiltration Analgesia Products

FuserPump - 350 ml
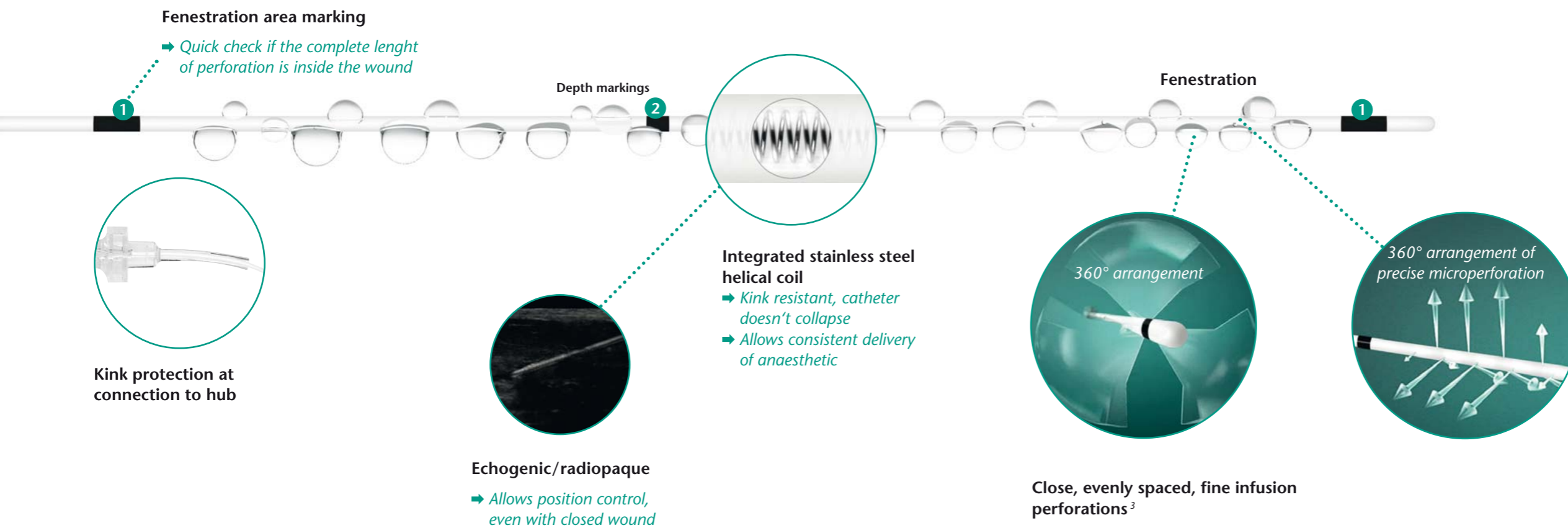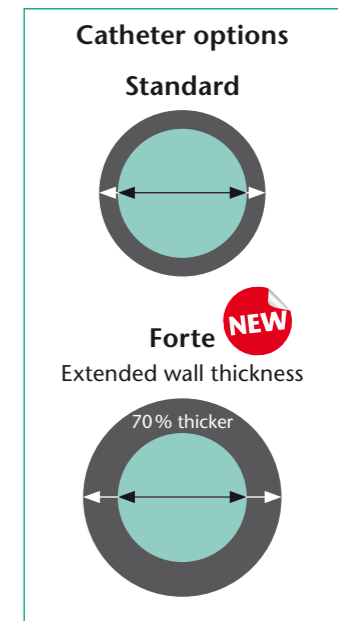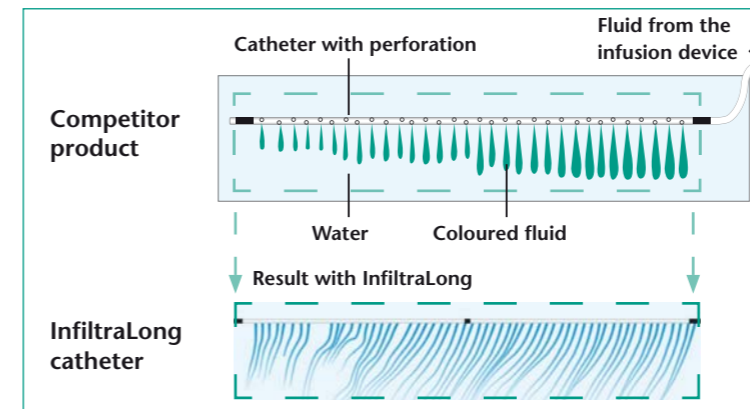
PAJUNK®

MADE IN GERMANY

InfiltraLong Catheter
Uniform Continuous Wound Infiltration

The InfiltraLong catheter developed by Pajunk is a self-contained system for continuous infiltration analgesia at the surgical site. The design of the catheter allows a smooth and uniform targeted administration of local anaesthetic. This allows to optimise patient analgesia and improve outcomes while reducing opoid consumption.

➡ *Simple, safe and economical*
➡ *Earlier mobilisation[1]*
➡ *Comprehensive pain treatment[2]*
➡ *Less opioids[2]*
➡ *Compatible with all pain pumps*
➡ *Different catheter and infusion length configurations*

Experimental setup by Campolo et al.[3]

Catheter with perforation
Fluid from the infusion device

Competitor product

Water   Coloured fluid

Result with InfiltraLong

InfiltraLong catheter

Catheter options

Standard

Forte NEW
Extended wall thickness

70% thicker

Fenestration area marking

➡ *Quick check if the complete lenght of perforation is inside the wound*

Depth markings

Fenestration

1

2

1

Kink protection at connection to hub

Integrated stainless steel helical coil
➡ *Kink resistant, catheter doesn't collapse*
➡ *Allows consistent delivery of anaesthetic*

360° arrangement

360° arrangement of precise microperforation

Echogenic/radiopaque

➡ *Allows position control, even with closed wound*

Close, evenly spaced, fine infusion perforations[3]

➡ *Highly effective analgesia through even and comprehensive distribution*

Fenestration length

➡ *Infusion reaches its target by the fastest and most direct route.[4]*

Consistent homogeneous flow

➡ *More effective pain relief[3]*
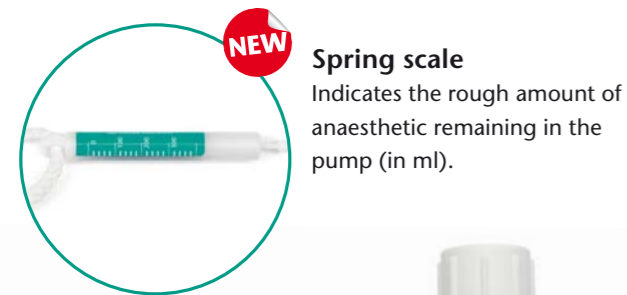
Also available in **NRFit®**

1 Kutzner et al., Postoperative Analgesie nach Knie-TEP ..., 2015; 566–573
2 Rawal, 2012 Perineural catheter analgesia..., 2012; 72–74
3 Campolo, Molin, Rawal, Soldati, Protocols to compare ..., 2011; 328 f.
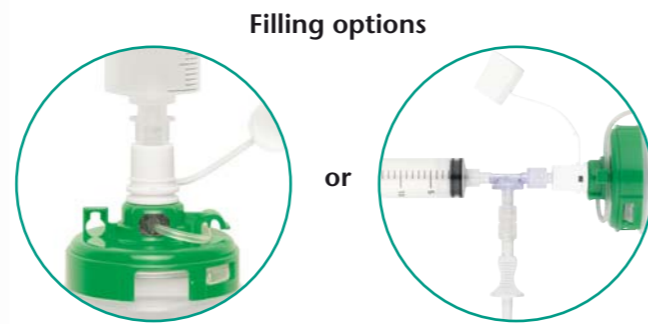4 Campolo, Molin, Rawal, Soldati, Protocols to compare ..., 2011; 330 f.

FuserPump
Easy to Use & Reliable Continuous Infiltration Pump

Pajunk offers a complete system including the InfiltraLong catheter and the FuserPump. The FuserPump is a hard shell pain pump with flexible flow rate.

➡ *Maximum filling volume 350 ml*
➡ *Flexible flow rate 3, 5, 8 ml / hr.*
➡ *Shatter-proof, clear shell*
➡ *Non-compressible – no excess dosage due to compression*

NEW

Spring scale
Indicates the rough amount of anaesthetic remaining in the pump (in ml).

Filling options

or

With the syringe

With FuserPump Filler
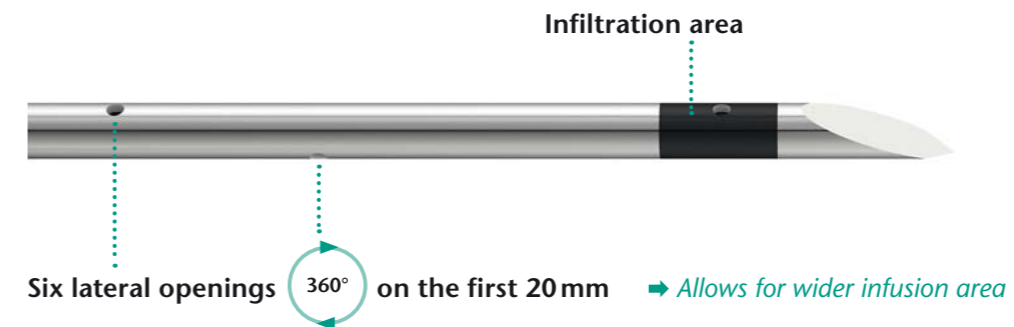Preventing backflow of liquids by integrated non-return valve

Flow rate selector with locking key

Also available in **NRFit**®

InFiltra Needle
Single Shot Local Infiltration Analgesia (LIA) **NEW**

The Local Infiltration Analgesia (LIA) is performed by surgeons after a knee and hip joint placement (TEP) in a Single Shot procedure. As part of the fast-track concept the LIA is used for early rehabilitation. With InFiltra Pajunk offers an infiltration needle with a large infiltration field. Due to the closed tip and the six lateral openings the anaesthetic can be widely dispersed in the surgical wound, reducing the number of injections which results in a faster infiltration.

Infiltration area

Six lateral openings (360°) **on the first 20 mm** ➡ *Allows for wider infusion area*

closed needle tip

Advantages of InFiltra
➡ *Easy puncture*
➡ *Greater infiltration field*
➡ *Faster infiltration*

InFiltra

Product	Size	Item no.	PU
InFiltra Infiltration needle with closed tip and six lateral openings on the first 20 mm	20G x 100 mm	1158-3G100	25

FuserPump

inclusive spring scale

Product	Item no.	NRFit Item no.	PU
FuserPump	1157-00-00	1167-00-00	3

FuserPump Filler

Product	Item no.	PU
FuserPump Filler Filling system for FuserPump with non-return valve, spike	001151-38L	10

TunnEler

Product	Item no.	PU
TunnEler 105 with split needle 95 mm, obturator 1 cm overlapping, for catheter 18G	001151-54	10
TunnEler 235 with split needle 230 mm and white handle, obturator 0.5 cm overlapping, for catheter 18G	001151-55	10

InfiltraLong TUN Duo

Set includes:
- 2x InfiltraLong catheter 19G x 600 mm with integrated stainless steel helical coil and 60 openings along the first 150 mm, with 360° markings
- 1x Injection tube with Y-connector
- 1x Filter 0.2 µm
- 1x FixoLong
- 1x TunnEler 235
- 1x Split needle
- 1x Luer-Lock syringe 20 ml
- 2x transparent adhesive

Product	Item no.	PU
InfiltraLong TUN Duo	021154-20B	3

InfiltraLong / InfiltraLong Forte*

incl. split needle with puncture needle, Filter 0.2 µm, FixoLong

Product		Catheter size	Luer Item no.	Forte Luer* Item no.	Forte NRFit* Item no.	PU
	InfiltraLong 420 InfiltraLong catheter, with flexible helical coil and 10 openings along the first 25 mm	19G x 420 mm	001158-00D			10
	InfiltraLong / InfiltraLong Forte* 420 InfiltraLong catheter, with flexible helical coil and 15 openings along the first 40 mm	19G x 420 mm	001158-00Z	001158-01Z	001168-01Z	10
	InfiltraLong / InfiltraLong Forte* 500 InfiltraLong catheter, with flexible helical coil and 30 openings along the first 75 mm	19G x 500 mm	001158-10A	001158-11A	001168-11A	10
	InfiltraLong / InfiltraLong Forte* 600 InfiltraLong catheter, with flexible helical coil and 60 openings along the first 150 mm	19G x 600 mm	001158-20B		001168-21B	10
	InfiltraLong / InfiltraLong Forte* 600 InfiltraLong catheter, with flexible helical coil and 45 openings along the first 100 mm	19G x 600 mm	001158-20D		001168-21D	10
	InfiltraLong / InfiltraLong Forte* 700 InfiltraLong catheter, with flexible helical coil and 88 openings along the first 220 mm	19G x 700 mm	001158-30C		001168-31C	10
	InfiltraLong / InfiltraLong Forte* 900 InfiltraLong catheter, with flexible helical coil and 88 openings along the first 300 mm	19G x 900 mm	001158-40C		001168-41D	10

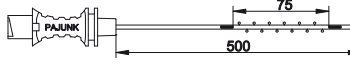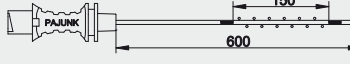*with 18G InfiltraLong Forte catheter

InfiltraLong TUN

incl. preconnected, curved tunnelisator, Clamping Adapter, Filter 0.2 µm, FixoLong

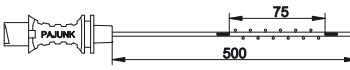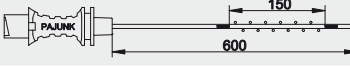| Product		Catheter size	Luer Item no.	Forte NRFit* Item no.	PU
	InfiltraLong TUN / InfiltraLong TUN Forte* 420T InfiltraLong catheter, with flexible helical coil and 10 openings along the first 25 mm	19G x 420 mm	021159-00D	021169-01D	10
	InfiltraLong TUN 420T InfiltraLong catheter, with flexible helical coil and 15 openings along the first 40 mm	19G x 420 mm	021159-00Z		10
	InfiltraLong TUN 500T InfiltraLong catheter, with flexible helical coil and 30 openings along the first 75 mm	19G x 500 mm	021159-10A		10
	InfiltraLong TUN / InfiltraLong TUN Forte* 600T InfiltraLong catheter, with flexible helical coil and 60 openings along the first 150 mm	19G x 600 mm	021159-20B	021169-21B	10
	InfiltraLong TUN / InfiltraLong TUN Forte* 600T InfiltraLong catheter, with flexible helical coil and 45 openings along the first 100 mm	19G x 600 mm	021159-20D	021169-21D	10
	InfiltraLong TUN 700T InfiltraLong catheter, with flexible helical coil and 88 openings along the first 220 mm	19G x 700 mm	021159-30C		10
	InfiltraLong TUN 900T InfiltraLong catheter, with flexible helical coil and 88 openings along the first 300 mm	19G x 900 mm	021159-40C		10

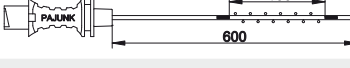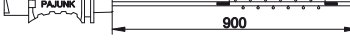*with 18G InfiltraLong Forte catheter

FuserPump TUN

incl. tunnelisator, Clamping Adapter, Filter 0.2 µm, FixoLong, FuserPump 350 ml, 50 ml syringe, spring scale

Product		Catheter size	Luer Item no.	PU
	FuserPump TUN 420T InfiltraLong catheter, with flexible helical coil and 15 openings along the first 40 mm	19G x 420 mm	021157-00Z	3
	FuserPump TUN 500T InfiltraLong catheter, with flexible helical coil and 30 openings along the first 75mm	19G x 500 mm	021157-10A	3
	FuserPump TUN 600T InfiltraLong catheter, with flexible helical coil and 60 openings along the first 150 mm	19G x 600 mm	021157-20B	3

FuserPump / FuserPump Forte

incl. split needle with puncture needle, 350 ml FuserPump, 50 ml syringe, spring scale

Product		Catheter size	Luer Item no.	Forte Luer* Item no.	Forte NRFit* Item no.	PU
	FuserPump / FuserPump Forte* 420 InfiltraLong catheter, with flexible helical coil and 15 openings along the first 40 mm	19G x 420 mm	001157-00Z	001157-01Z	101167-01Z	3
	FuserPump / FuserPump Forte* 500 InfiltraLong catheter, with flexible helical coil and 30 openings along the first 75 mm	19G x 500 mm	001157-10A	001157-11A	101167-11A	3
	FuserPumpFuserPump / FuserPump Forte* 600 InfiltraLong catheter, with flexible helical coil and 60 openings along the first 150 mm	19G x 600 mm	001157-20B	001157-21B	101167-21B	3
	FuserPump 600 InfiltraLong catheter, with flexible helical coil and 45 openings along the first 100 mm	19G x 600 mm	001157-20D			3
	FuserPumpFuserPump / FuserPump Forte* 700 InfiltraLong catheter, with flexible helical coil and 88 openings along the first 220 mm	19G x 700 mm	001157-30C		101167-31C	3
	FuserPump 900 InfiltraLong catheter, with flexible helical coil and 88 openings along the first 300 mm	19G x 900 mm	001157-40C			3

*with 18G InfiltraLong Forte catheter

Studies

• **Braun J. P., Krämer M., Schwenk W., Spies C.** Medizinökonomische Aspekte des Fast-Track-Konzeptes, Fast Track in der operativen Medizin, Springer Medizin Verlag Heidelberg 2009

• **Campolo M., Molin D., Rawal N., Soldati A.** Protocols to compare infusion distribution of wound catheters, Med. Eng. Phys. 2011 Apr; 34(3): 326–332

• **Gherghinescu M., Molnar C., Popa D., Russu C., Copotoiu C.** Continuous local analgesia in postoperative treatment of large incisional hernias – preliminary results, Acta Medica Marisiensis 2015

• **Karanicolas P., Cleary S., McHardy P., McCluskey S., Sawyer J., Ladak S., Law C., Wei A., Coburn N., Ko R., Katz J., Kiss A., Khan J., Coimbatore S., Lam-McCulloch J., Clarke H.** Medial open transversus abdominis plane (MOTAP) catheters for analgesia following open liver resection: study protocol for a randomized controlled trial, Trials 2014 Jun 21

• **Kutzner K. P., Paulini C., Hechtner M., Rehbein P., Pfeil J.** Postoperative Analgesie nach Knie-TEP. Intraartikulärer Katheter vs. Nervus-femoralis-Katheter, Der Orthopäde 2015 July; 44(7): 566–573

• **Rawal N., 2012** Perineural catheter analgesia as a routine method after ambulatory surgery – effective but unrealistic, Reg. Anesth. Pain Med. 2012 Jan-Feb; 37(1); 72–76

• **Schwenk W., Spies C., Müller J. M.** Prinzipien der Fast-Track-Rehabilitation, Fast Track in der operativen Medizin, Springer Medizin Verlag Heidelberg 2009