

PAJUNK®

Dispo Balloon Systems

*The disposable solution
ready for immediate use*



Balloon systems

MADE IN GERMANY

PAJUNK® Dispo balloon systems

Solutions for extraperitoneal and abdominal surgery

PAJUNK® has made a name for itself with its balloon systems for extraperitoneal and abdominal surgery. These proven system solutions combine two core competences of PAJUNK®: The know-how from many years of production of laparoscopic instruments and the development competence for balloon systems in a very wide range of fields of application. Optimum production conditions that satisfy the highest demands on clean room technology form the basis of the quality guarantee for the high-grade products „Made in Germany“. The PAJUNK® Dispo balloon system offers the surgeon sterile packed disposable solutions for a wide range of applications that are ready for immediate use. There are two distinct types: “space-creating balloons” and “balloons to secure working access”.

- ➡ Cost-effective system
- ➡ Complete disposable solution
- ➡ Can be used immediately
- ➡ Sterile packed
- ➡ Latex-free material

Space-creating balloons

Mono balloon systems

with standard seal



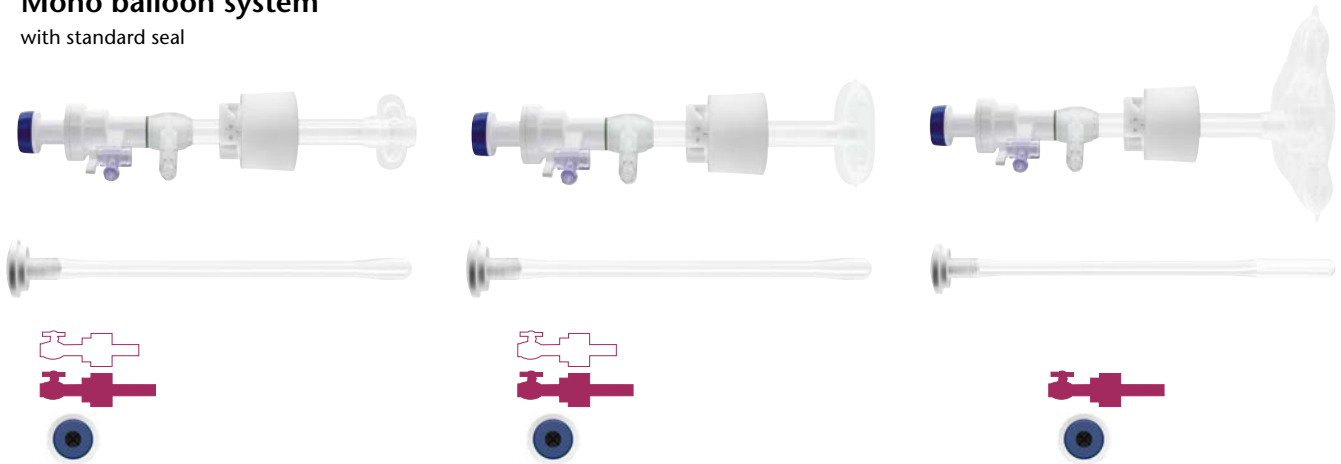
Bilateral dilation balloon

Unilateral dilation balloon,
extra large

Balloons to secure working access

Mono balloon system

with standard seal



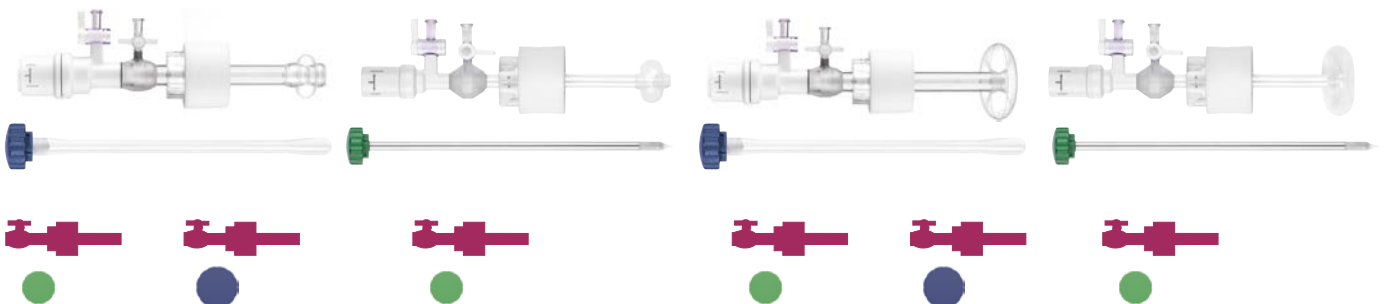
Ring-anchor balloon system

URO ring-anchor balloon system

Structural balloon system

Vario balloon system

with universal double seal



Ring-anchor balloon system

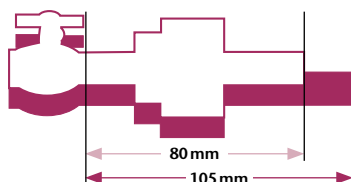
Ring-anchor balloon system
PROTECT

URO ring-anchor balloon system

URO ring-anchor balloon system
PROTECT

Key

Available working lengths:
80 mm und 105 mm



Available working channels:
Ø 5.8 mm und Ø 11 mm



Ø 5.8 mm
Vario balloons



Ø 11 mm
Vario balloons



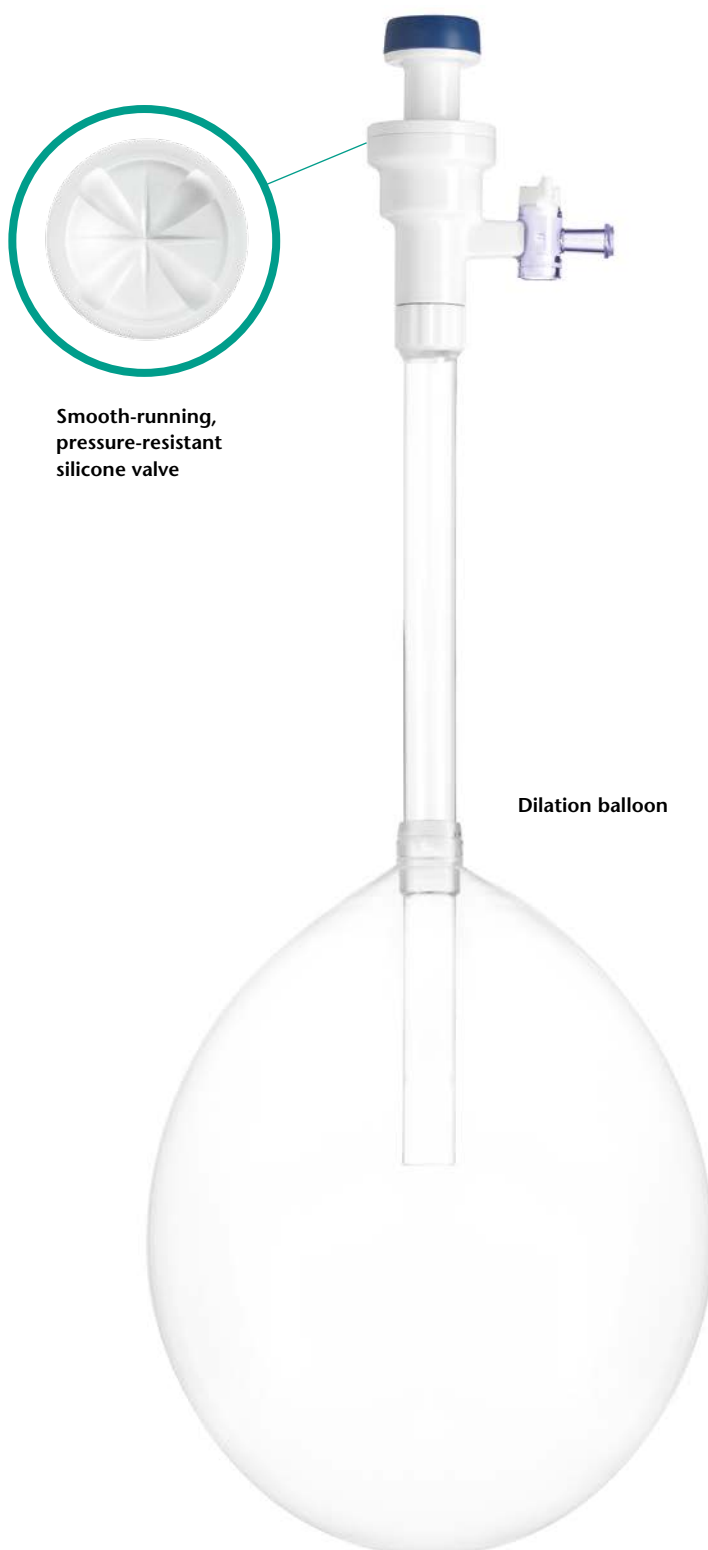
Ø 11 mm
Mono balloons

The whole spectrum

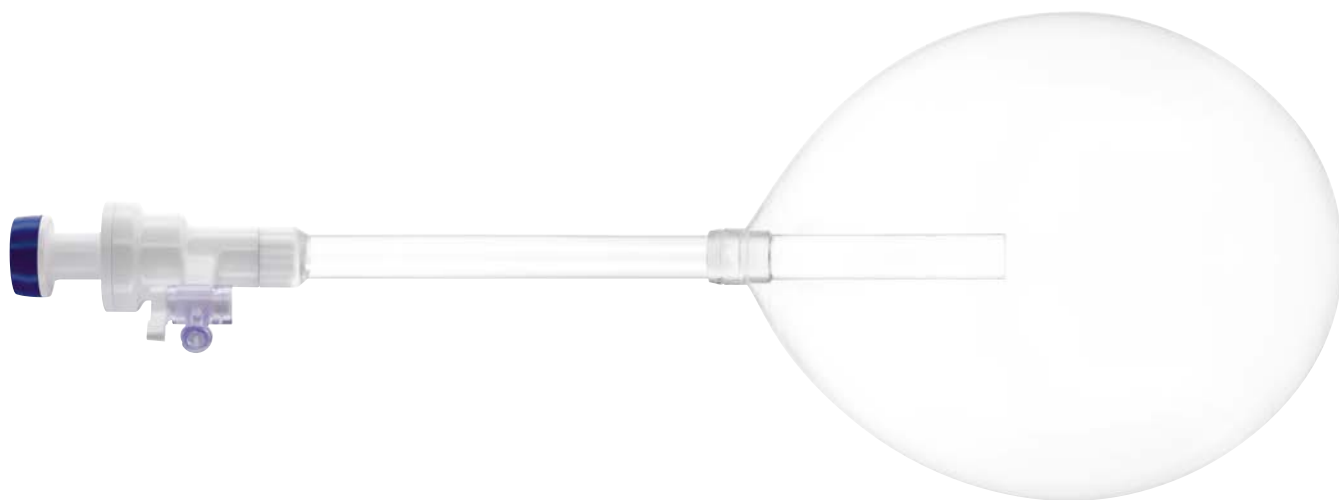
Space-creating balloons

The PAJUNK® space-creating balloon systems permit optimum, fast and effective dissection of the preperitoneal space with direct visualisation.

They make orientation much easier. Two different balloon forms are available for unilateral and bilateral hernias.



➔ *Two different balloon forms for unilateral and bilateral hernias*



**Unilateral dilation balloon,
extra large**



Bilateral dilation balloon

Mono and Vario balloon systems

To secure working access

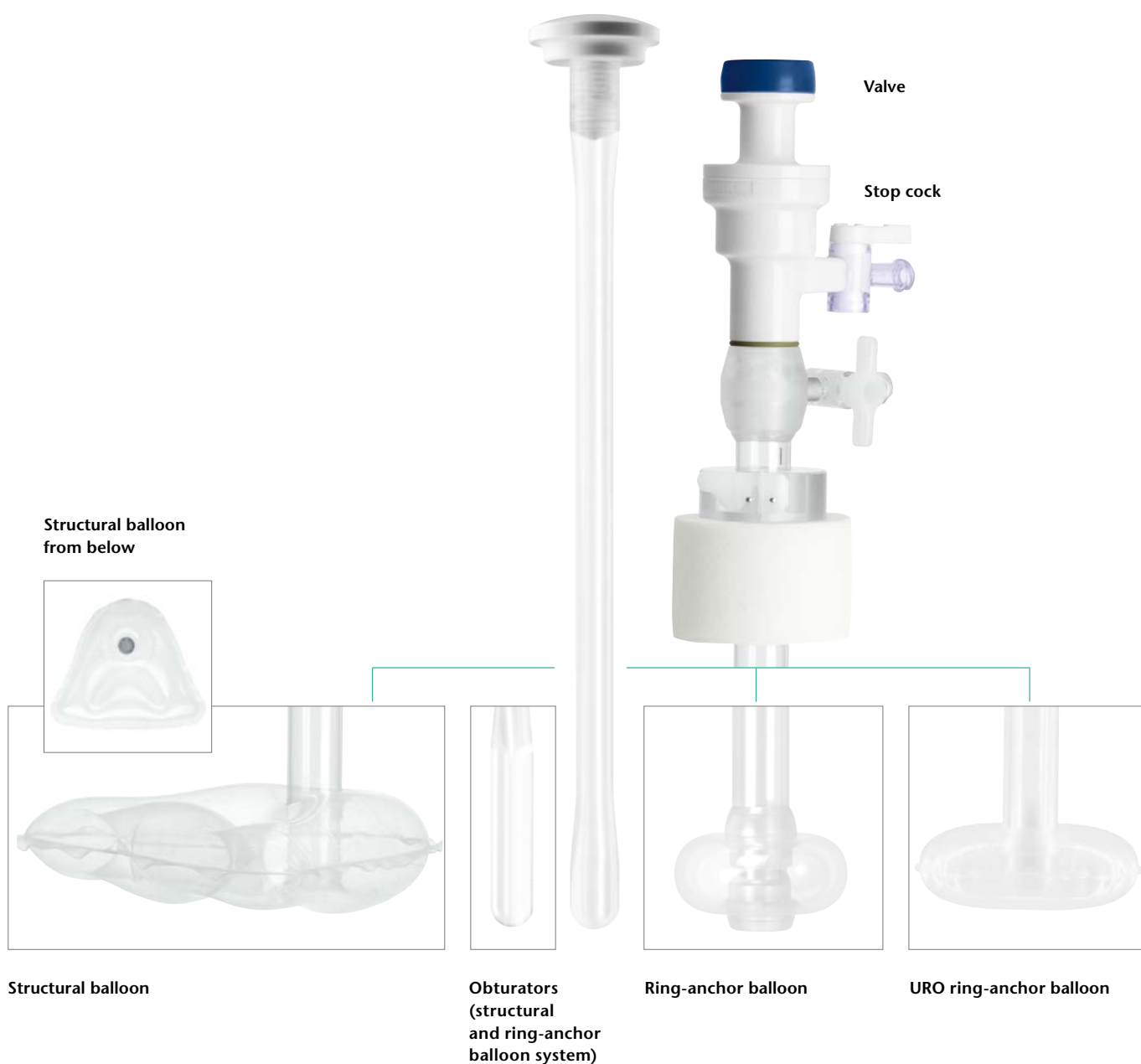
PAJUNK® offers two different balloon systems to secure working access: the structural balloon system and the ring-anchor balloon system that in addition to the extraperitoneal field can also be used in abdominal surgery. Mono balloons have a tried and tested standard seal system with a silicone valve, and Vario balloon systems have a universal double seal system.

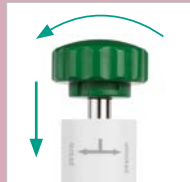
Benefits of PAJUNK® balloons:

- ➔ Atraumatic geometry
- ➔ Considerate gas-tight sealing
- ➔ Stability, minimised risk of collapsing balloon

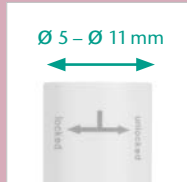
Mono balloon system

with standard seal





Lockable obturator
A bayonet lock connects the obturator securely to the valve housing when it is fully inserted. **Easy to unlock**, it just needs a twist.

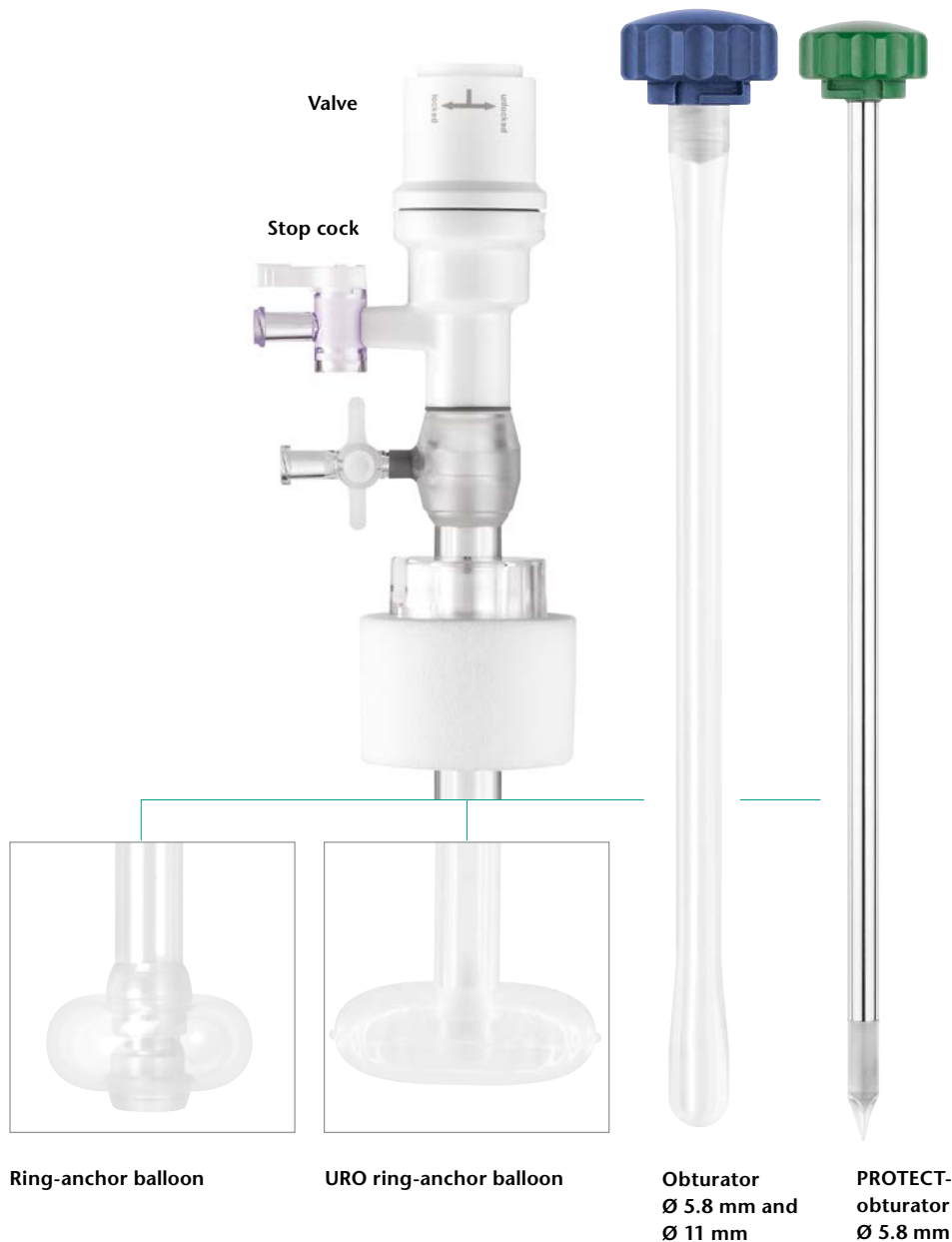


Universal seal
All instruments with diameters between 5 and 11 mm can be inserted so that they are completely gas-tight.

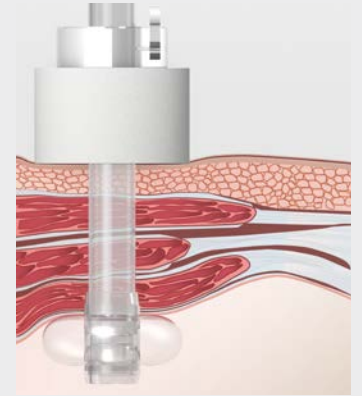


PROTECT tip
The obturator is also available with the PROTECT tip. This allows the balloon system to be placed and dilated without causing trauma as the tip is blunt.

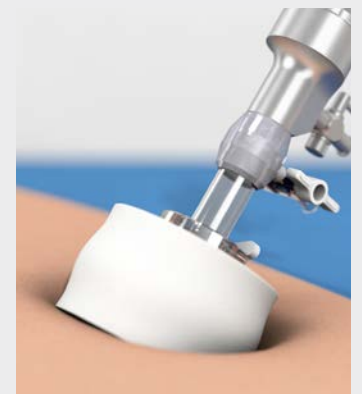
Vario balloon system with universal double seal



Securing working access in abdominal surgery



Simultaneous anchoring and sealing thanks to the interplay of the balloon and the foam stopper.



The foam stopper allows the balloon to be securely positioned quickly and easily

- ➔ Large pivot radius
- ➔ Quick and easy fixation
- ➔ Material that is gentle to the skin
- ➔ Large support area
- ➔ Well secured, thanks to the balloon and foam stopper
- ➔ Large sealable accesses
- ➔ Adapts to different abdominal wall thicknesses

Uses

PAJUNK® Dispo balloon systems

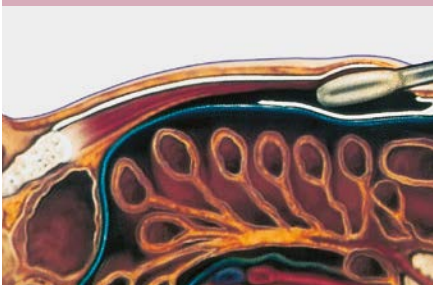
PAJUNK® balloon systems can be used in a wide range of procedures, from endoscopic totally extraperitoneal hernioplasty (TEP) through laparoscopic extraperitoneal radical nephrectomy (LERN) to laparoscopic extraperitoneal prostatectomy (LERP). They can also be used in spinal surgery and lymph gland removal. Their use is presented below, taking TEP as an example.

- ➔ No peritoneal opening
- ➔ Small incision and wound area, minimising the risk of infection
- ➔ Less need for post-surgical pain medication compared to endoscopic dissection¹
- ➔ Low rate of complications²

Totally extraperitoneal hernioplasty

With this method, the preperitoneal space is dilated by inserting and inflating a balloon, and the point of rupture is reinforced with a plastic mesh.

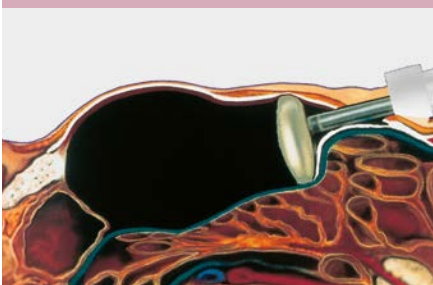
Exemplary presentation of retroperitoneal dissection of tissue layers with the PAJUNK® Dispo balloon system:



The dilation balloon is introduced by means of a blunt obturator parallel to the peritoneum.



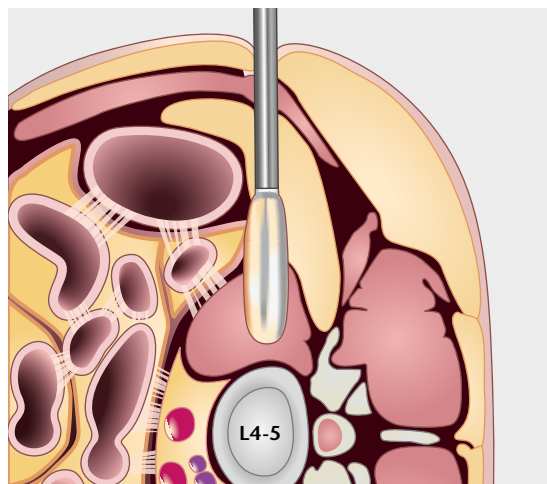
The obturator is retracted and can be replaced by a laparoscope.



Practitioners are advised to place a structural or ring-anchor balloon system to ensure working space access. Carbon dioxide is then injected to maintain the preperitoneal space during the operation.

Spinal surgery

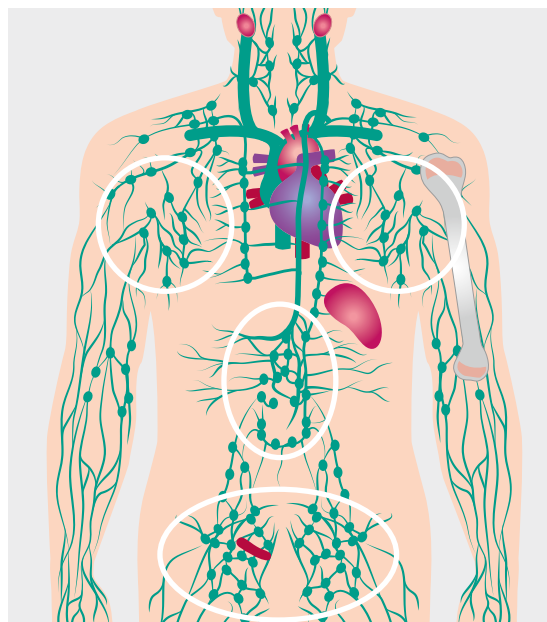
In spinal surgery, PAJUNK® balloon systems are used in laparoscopically assisted procedures. This technique can be used supportively in lumbar spine procedures with anterior access. The balloons can be used to dilate the operating space between two access points.³



Creation of retroperitoneal space for spinal surgery.

Lymph node removal

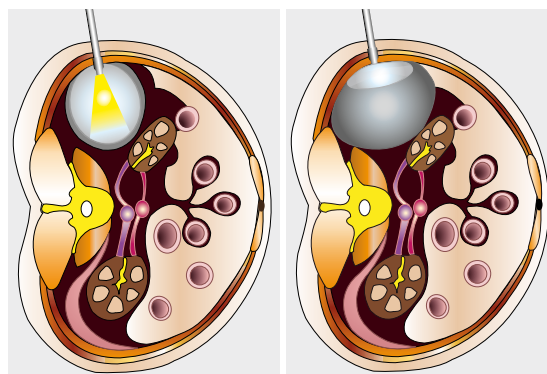
Here, the balloon creates space for minimally invasive instruments. This allows the benefits of minimally invasive access techniques to be transferred to lymph node removal procedures.⁴



Examples of uses.

Urology

Balloon dilation is also useful in surgery on the kidneys, ureters and other organs located in the retroperitoneal area, as it allows space to be created for the procedure.



Creation of retroperitoneal space for urological kidney surgery.

Balloon systems

All the information at a glance

Balloon systems



Space-creating balloons

Product	Size	Item no.	PU	Ball pump	
MonoBalloon DIL-XL Sterile disposable kit with unilateral dilation balloon (round, extra large)	Ø 11 mm	1284-60-11	5	•	
MonoBalloon DIL-BI Sterile disposable kit with bilateral dilation balloon (oval)	Ø 11 mm	1284-50-11	5	•	



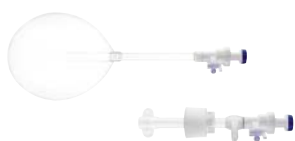
Balloons to secure working access

Product	Size	Item no.	PU	Ball pump		Syringe 30ml
MonoBalloon SB Sterile disposable kit with structural balloon and instrument channel	Ø 11 mm	1284-20-11S	5	•		
MonoBalloon RA Sterile disposable kit with ring-anchor balloon and instrument channel	Ø 11 mm	1284-30-11S	5		•	
MonoBalloon RA-S Sterile disposable kit with ring-anchor balloon and instrument channel	Ø 11 mm	1284-40-11S	5		•	
MonoBalloon URO Sterile disposable kit with flat ring-anchor balloon and instrument channel	Ø 11 mm	1284-70-11S	5		•	
MonoBalloon URO-S Sterile disposable kit with flat ring-anchor balloon and instrument channel	Ø 11 mm	1284-75-11S	5		•	



Balloon systems – kits

Double balloon kits



MonoBalloonDuo DIL-XL + RA

Sterile disposable kit with unilateral dilation balloon (round, extra large), ring-anchor balloon and instrument channel

Size

Item no.

PU

Ball pump

Syringe 30 ml

Ø 11 mm

1284-60-20S

5

•

•



MonoBalloonDuo DIL-XL + SB

Sterile disposable kit with unilateral dilation balloon (round, extra large), structural balloon and instrument channel

Ø 11 mm

1284-60-24S

5

•



MonoBalloonDuo DIL-XL + URO

Sterile disposable kit with unilateral dilation balloon (round, extra large), URO ring-anchor balloon and instrument channel

Ø 11 mm

1284-60-28S

5

•

•



MonoBalloonDuo DIL-BI + RA

Sterile disposable kit with bilateral dilation balloon (oval), ring-anchor balloon and instrument channel

Ø 11 mm

1284-50-20S

5

•

•



MonoBalloonDuo DIL-BI + SB

Sterile disposable kit with bilateral dilation balloon (oval), structural balloon and instrument channel

Ø 11 mm

1284-50-24S

5

•



MonoBalloonDuo DIL-BI + URO

Sterile disposable kit with bilateral dilation balloon (oval), URO ring-anchor balloon and instrument channel

Ø 11 mm

1284-50-28S

5





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Balloon systems

All the information at a glance

Vario balloon systems with universal double seal

Balloons to secure working access				Syringe 30 ml	Syringe 20 ml	Syringe 10 ml
Product	Size	Item no.	PU			
 VarioBalloon RA Sterile disposable kit with ring-anchor balloon, instrument channel and obturator	Ø 11 mm	1283-30-11S	5	•		
	Ø 5.8 mm	1283-30-58S	5			•
 VarioBalloon RA PROTECT Sterile disposable kit with ring-anchor balloon, instrument channel and PROTECT-obturator	Ø 5.8 mm	1283-31-58S	5			•
 VarioBalloon URO Sterile disposable kit with flat ring-anchor balloon, instrument channel and obturator	Ø 11 mm	1283-70-11S	5	•		
	Ø 5.8 mm	1283-70-58S	5		•	
 VarioBalloon URO PROTECT Sterile disposable kit with flat ring-anchor balloon, instrument channel and PROTECT-obturator	Ø 5.8 mm	1283-71-58S	5		•	

Studies

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