PAJUNK®

EpiLong VPC

Visual Pressure Control for
Identification of the Epidural Space

MADE IN GERMANY

EpiLong VPC

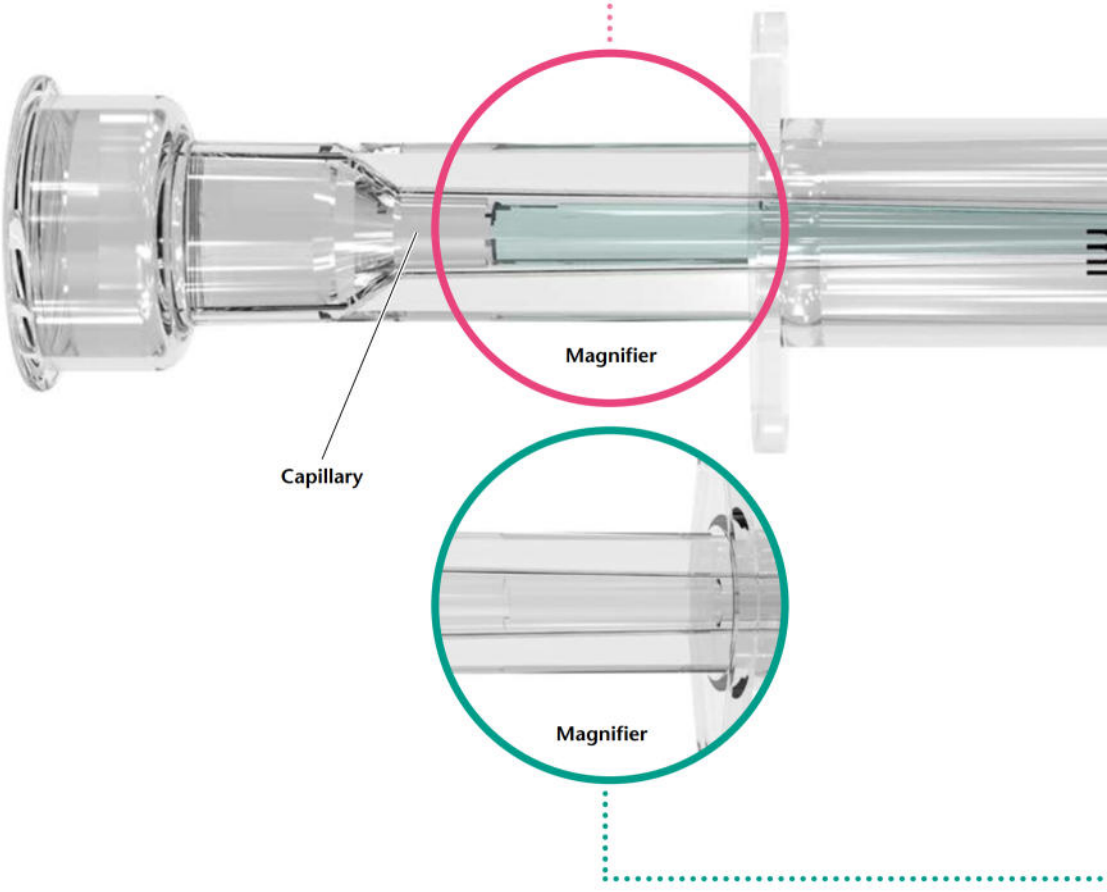
Visualisation of "Loss of Resistance"

The new "Visual Pressure Control" (VPC) by Pajunk developed in collaboration with Prof. Dr. med. Dietmar Enk and Dr. med. Günter Michaelis, offers a visual indication of the Loss of Resistance during epidural procedures. The VPC offers a reliable alternative to the conventional Loss of Resistance technique, by visually indicating even the smallest pressure change. This allows for a more objective needle tip placement and increased patient safety.

How it works

The VPC follows the principle of Boyle's Law that states that the product of pressure and volume are constant. The VPC has a special plunger that comes with a built in capillary and integrated magnifier. Pressure builds up a column in this capillary, which is visible in the magnifier.

PATENTED
EP 0806972



PATIENT SAFETY

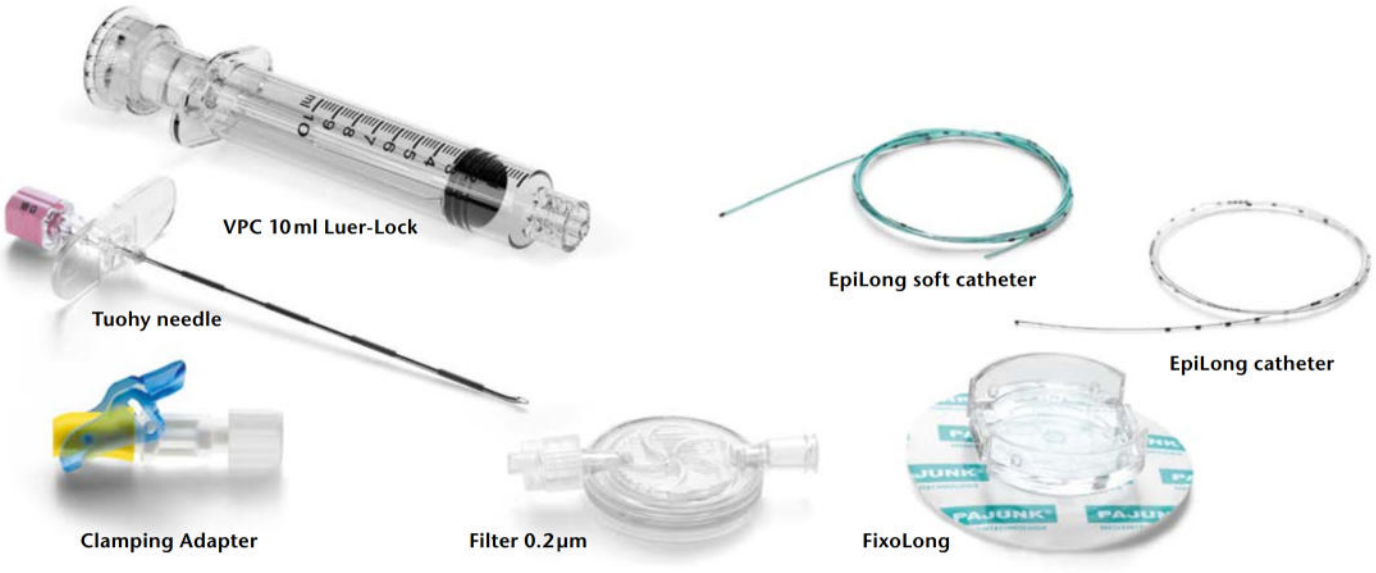
Benefits of the VPC technique

- *Visual indication of Loss of Resistance*
- *Dependable position control of the needle tip in epidural space*
- *Even the smallest pressure differences are recognisable*
- *Fully independent from the tactile assessment*
- *Allows for two handed needle placement*
- *Minimal amounts of saline injected into epidural space*
- *Simple and fast application without technique changes*
- *Simplifies epidural training and supervision process*

Building up the pressure column
If after the skin puncture the VPC is connected to the epidural needle and put under pressure by advancing the needle, the pressure column in the magnifier is rising. As long as a tissue pressure exists at the needle tip, the pressure column in the capillary of the VPC is visible.

Visible Loss of Resistance when entering the epidural space
Once the surrounding pressure drops (indication of the epidural space) the pressure column in the display window will drop instantly, which is clearly visible in the magnifier of the capillary. The pressure drop is easily repeatable and confirms the correct needle tip placement in the epidural space. In comparison to the classical LOR technique, only minimal amounts of saline are being injected into the tissue with the VPC.

EpiLong VPC



Product	Tuohy needle	EpiLong catheter	Item No.	PU
EpiLong Soft VPC				
Set includes: Tuohy needle with metal stylet, EpiLong soft catheter with stainless steel helical coil, closed tip and six lateral openings, VPC 10 ml Luer-Lock, Filter 0.2 µm, FixoLong, Clamping Adapter	17 G x 90 mm	19 G x 90 cm	0441157-48	10
	18 G x 90 mm	20 G x 90 cm	0441157-51	10
EpiLong Tuohy VPC				
Set includes: Tuohy needle with plastic stylet, EpiLong catheter with closed tip and three lateral openings, VPC 10 ml Luer-Lock, Filter 0.2 µm, Clamping Adapter	17 G x 80 mm	19 G x 90 cm	0341153-48	10
	17 G x 90 mm	19 G x 90 cm	0341152-48	10
	18 G x 80 mm	20 G x 90 cm	0341153-51	10
	18 G x 90 mm	20 G x 90 cm	0341152-51	10

Product	Size	Item No.	PU
VPC			
	10 ml Luer-Lock	0001151-49	10

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