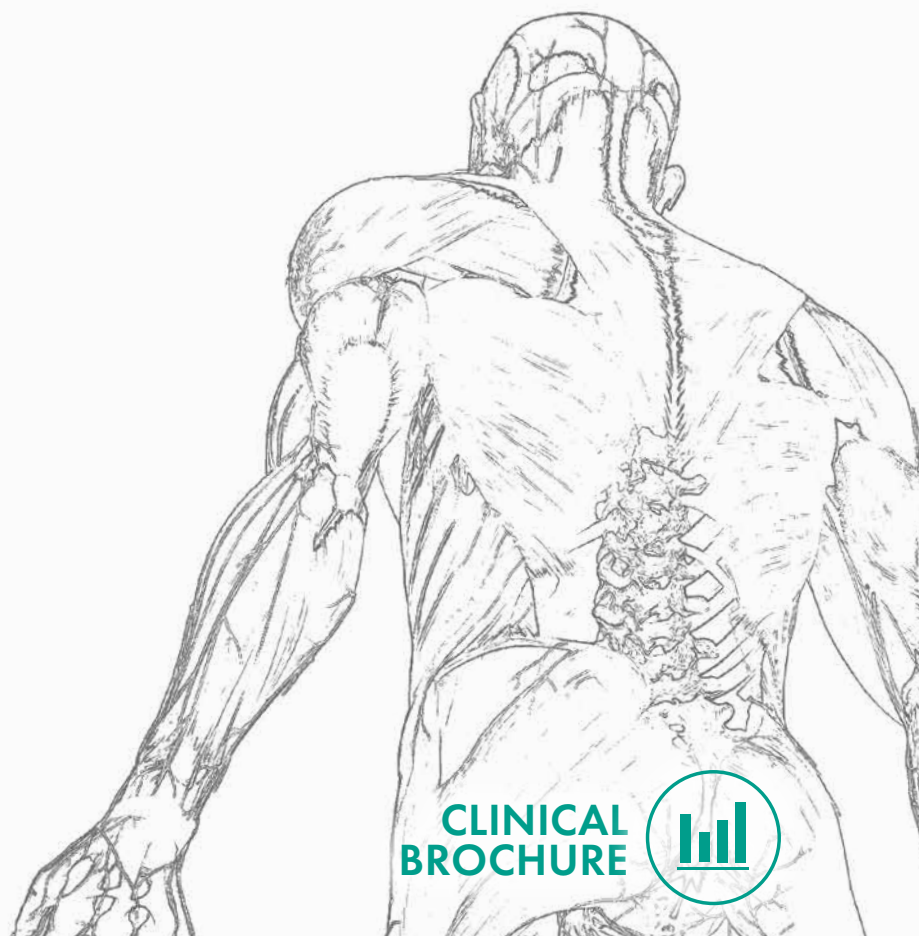


PAJUNK®



EpiLong VPC

*Visual Pressure Control Device for
Identification of the Epidural Space*



**CLINICAL
BROCHURE**



Visualise the “Loss of Resistance”

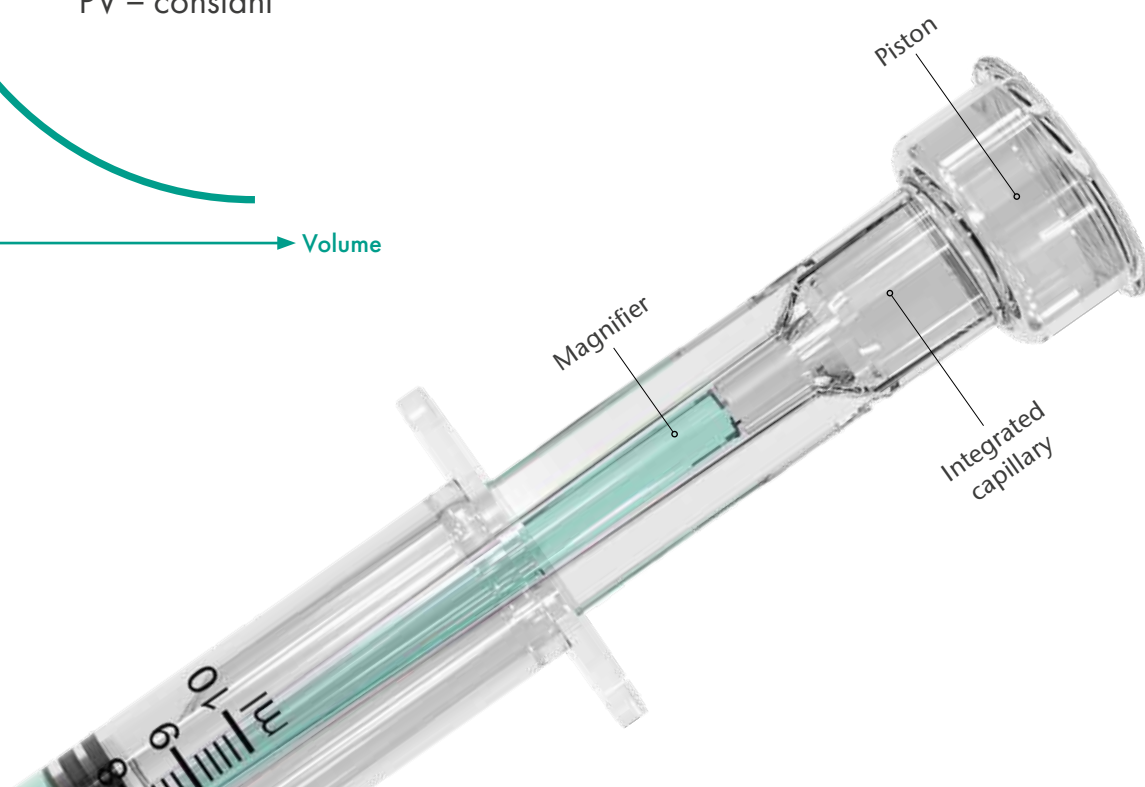
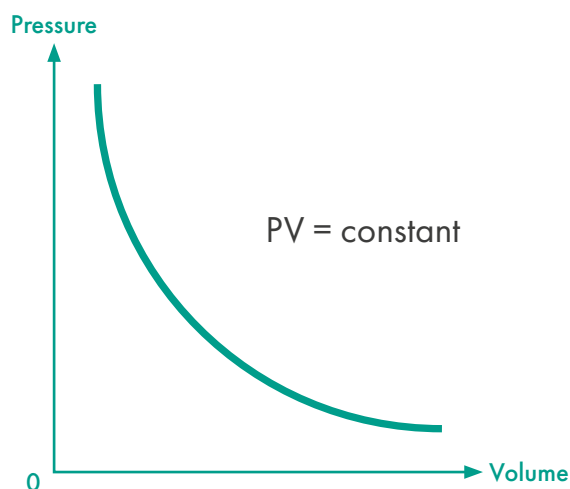
The new “Visual Pressure Control” (VPC) by PAJUNK® developed in collaboration with Prof. Dr. med. Dietmar Enk and Dr. med. Günter Michaelis, offers a visual indication of the Loss of Resistance during epidural procedures. The VPC offers a reliable alternative to the conventional Loss of Resistance technique,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

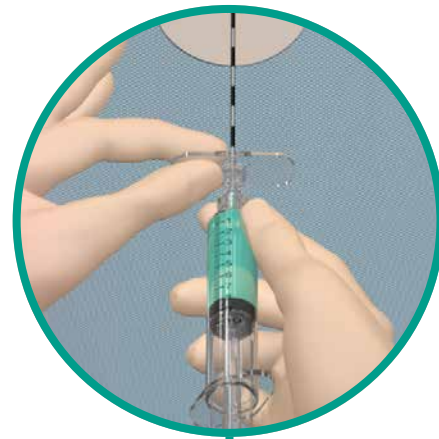


HOW IT WORKS

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.

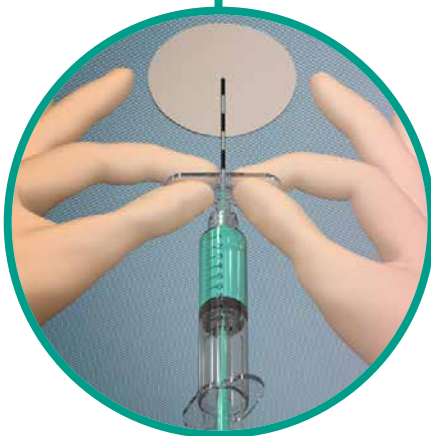
*Visual
Pressure
Control*





Building up the pressure column

After the skin puncture, the VPC is connected to the epidural needle and pressurised by advancing the plunger until the saline pressure column is seen rising in the capillary. As long as tissue pressure exist at the needle tip, the pressure column in the capillary of the VPC remains constant and visible.



Visible Loss of Resistance when entering the epidural space

Once the surrounding pressure drops (indicating entry into 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. Only minimal amounts of saline are injected into the tissue with the VPC.



BENEFITS of The VPC Technique



- ▶ Visual indication of "Loss of Resistance"
- ▶ Allows effective detection of the cervical epidural space¹
- ▶ 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
- ▶ Enables a rapid learning curve¹

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

EpiLong VPC Sets

Product	Tuohy needle	EpiLong catheter	Item no.	PU
EpiLong Tuohy VPC Tuohy needle with plastic stylet, EpiLong catheter with closed tip and three lateral openings, VPC 10ml Luer-Lock, Filter 0.2µm, Clamping Adapter	18G x 90mm	20G x 90mm	0341152-51	10



Scan now!

¹. Castromán, P., Surbano, M. EpiLong Visual Pressure Control (EpiLong VPC[®]) para detectar el espacio epidural cervical: evaluación del rendimiento mediante el método de la suma acumulativa (CUSUM), Revista Latinoamericana del Dolor, Vol. 1, No 1, 2023

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