

# Sophysa Catalog USA



- ✓ Hydrocephalus
- ✓ External Drainage
- ✓ Neuromonitoring



# INTRODUCTION

## Welcome to the Sophysa products catalog!

At Sophysa, we are dedicated to improving outcomes for patients and simplifying the work of medical professionals through our comprehensive product line.

We invite you to use our catalog and discover how our solutions can support your neurosurgery and neurocritical care practice.

Sophysa's product offering is organized into three distinct lines, each designed with a specific focus on being as unique as the patients and healthcare professionals we help.

### Hydrocephalus treatment:

- Cerebrospinal fluid shunts and catheters: solutions to ensure management and treatment of hydrocephalus.

### Neuromonitoring:

- Real-time monitoring: we provide state-of-the-art monitors and catheters for monitoring intracranial pressure (ICP) and intracranial temperature (ICT).

### External Drainage:

- Catheters.

With unwavering commitment to delivering top-quality medical devices and a team of highly skilled professionals, Sophysa has been in service of healthcare professionals for over 50 years.

Know more  
about Sophysa



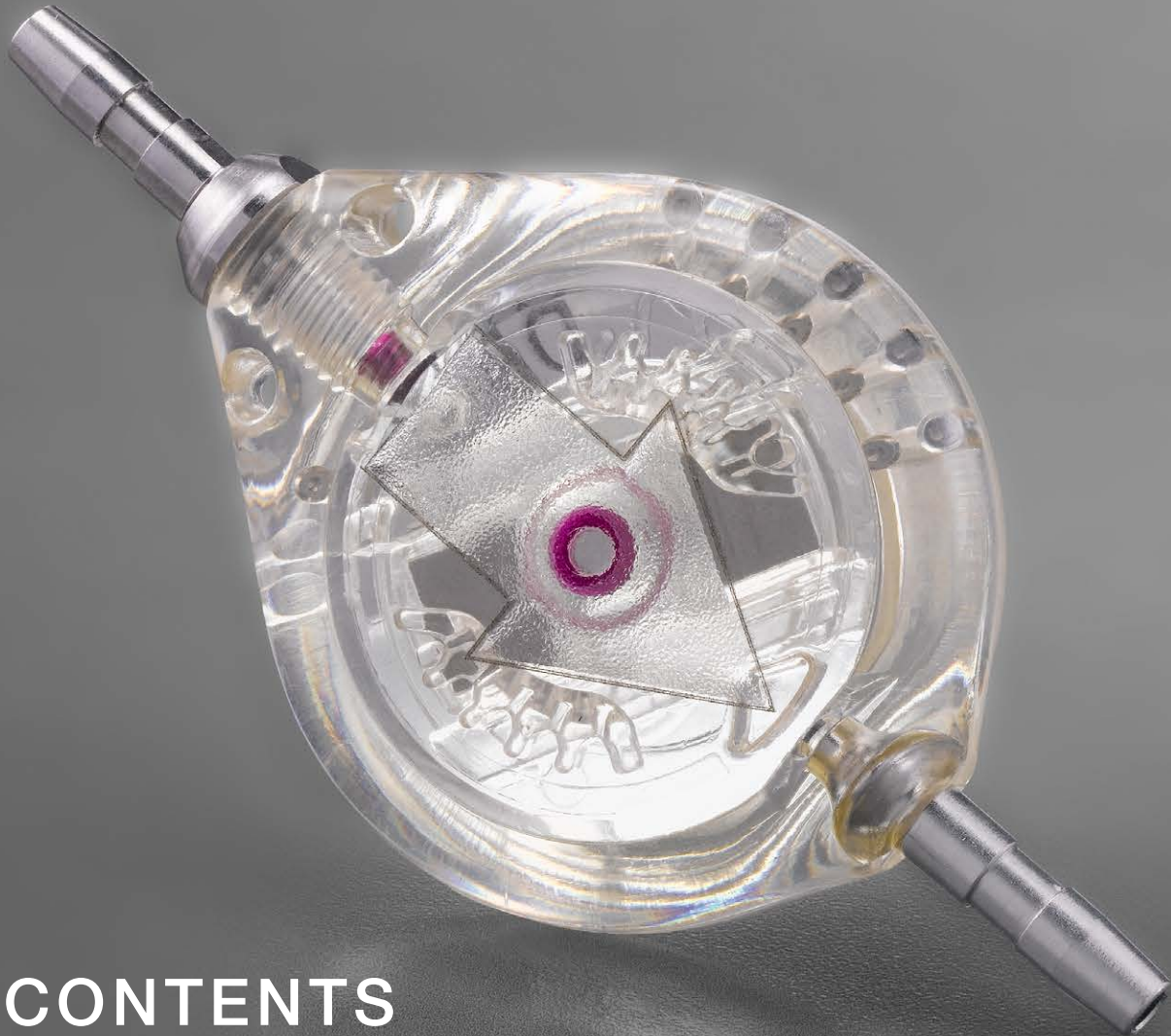
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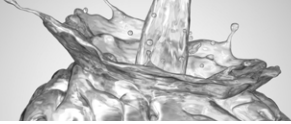
*NOTE:*  
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# HYDROCEPHALUS



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# MRI-Stable Adjustable Valves

## Polaris®

The Polaris® Adjustable Valve is a ball-in-cone valve, with a self-locking magnetic rotor.

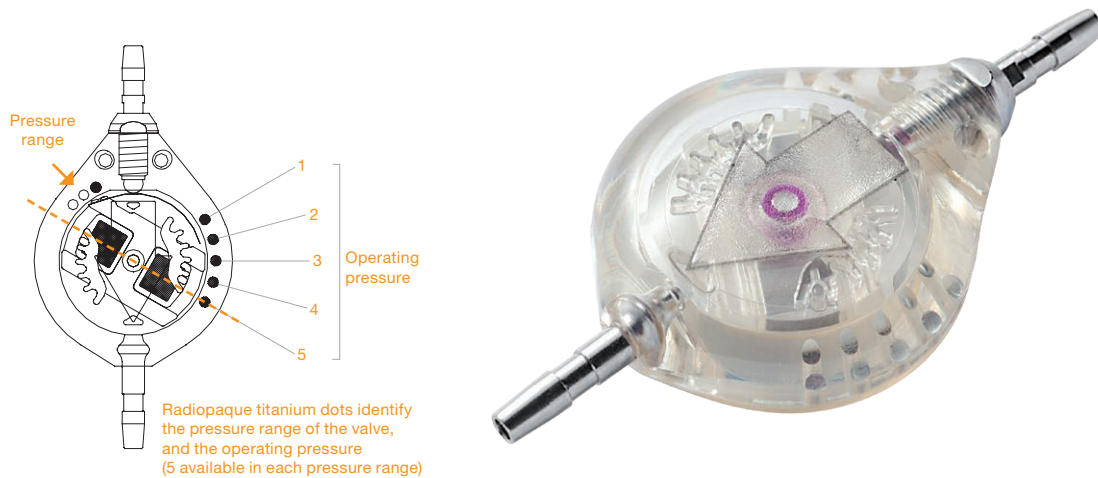
Its pressure can be adjusted percutaneously with a dedicated adjustment kit.

Each Polaris® Valve model offers 5 operating pressure levels.

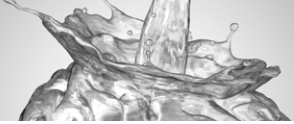
The operating pressure range of the standard Polaris® valve is 30 to 200 mmH<sub>2</sub>O.

Three additional special pressure ranges are also available, to address specific clinical needs:

10 to 140 mmH<sub>2</sub>O (low pressure range), 50 to 300 mmH<sub>2</sub>O (high pressure range), and 80 to 400 mmH<sub>2</sub>O (very high pressure range). Each Polaris® Valve is individually tested and identified by a unique serial number.



	Product code	Description
<p>No dot</p>	SPV-140	<b>Polaris® Adjustable Valve, 10-140</b> 5 operating pressure levels from 10 to 140 mmH <sub>2</sub> O: 10, 40, 80, 110, 140 mmH <sub>2</sub> O.
<p>One dot</p>	SPV	<b>Polaris® Adjustable Valve, 30-200</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O.
<p>Two dots</p>	SPV-300	<b>Polaris® Adjustable Valve, 50-300</b> 5 operating pressure levels from 50 to 300 mmH <sub>2</sub> O: 50, 100, 150, 220, 300 mmH <sub>2</sub> O.
<p>Three dots</p>	SPV-400	<b>Polaris® Adjustable Valve, 80-400</b> 5 operating pressure levels from 80 to 400 mmH <sub>2</sub> O: 80, 150, 230, 330, 400 mmH <sub>2</sub> O.



## MRI-Stable Adjustable Valves

# Polaris®

## Polaris® Adjustable Valves with Reservoir

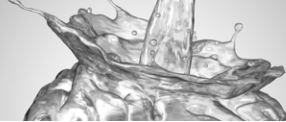


SPVA (Antechamber)



SPVB (Burr-Hole reservoir)

	Product code	Description
	SPVA-140	<b>Polaris® Adjustable Valve, 10-140, Antechamber</b> 5 operating pressure levels from 10 to 140 mmH <sub>2</sub> O: 10, 40, 80, 110, 140 mmH <sub>2</sub> O. Integrated antechamber.
<p>With Antechamber</p>	SPVA	<b>Polaris® Adjustable Valve, 30-200, Antechamber</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O. Integrated antechamber.
	SPVA-300	<b>Polaris® Adjustable Valve, 50-300, Antechamber</b> 5 operating pressure levels from 50 to 300 mmH <sub>2</sub> O: 50, 100, 150, 220, 300 mmH <sub>2</sub> O. Integrated antechamber.
	SPVA-400	<b>Polaris® Adjustable Valve, 80-400, Antechamber</b> 5 operating pressure levels from 80 to 400 mmH <sub>2</sub> O: 80, 150, 230, 330, 400 mmH <sub>2</sub> O. Integrated antechamber.
<p>With Burr-Hole Reservoir</p>	SPVB	<b>Polaris® Adjustable Valve, 30-200, Burr-Hole Reservoir</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O. Integrated Burr-Hole reservoir.



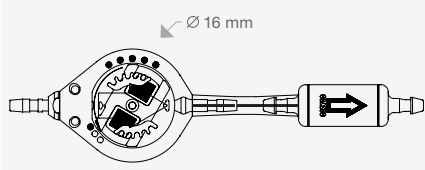
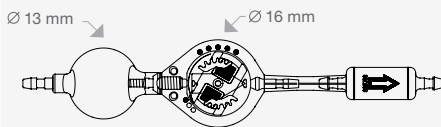
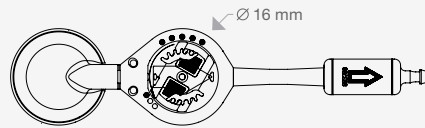
## MRI-Stable Adjustable Valves

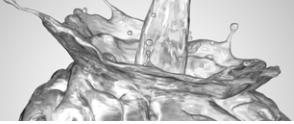
# Polaris®

## Polaris® Adjustable Valves with pre-connected SiphonX®

SiphonX® is a valve accessory designed to limit the siphon effect during cerebro-spinal fluid drainage. It gives an additional resistance to the operating pressure of the valve depending upon the position of the patient (maximum: + 200 mmH<sub>2</sub>O in the vertical position).



	Product code	Description
	SPV140-SX	<b>Polaris® Adjustable Valve, 10-140, SiphonX®</b> 5 operating pressure levels from 10 to 140 mmH <sub>2</sub> O: 10, 40, 80, 110, 140 mmH <sub>2</sub> O. Preconnected anti-siphon device: up to +200 mmH <sub>2</sub> O in vertical position.
	SPV-SX	<b>Polaris® Adjustable Valve, 30-200, SiphonX®</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O. Preconnected anti-siphon device: up to +200 mmH <sub>2</sub> O in vertical position.
	SPVA-140-SX	<b>Polaris® Adjustable Valve, 10-140, Antechamber, SiphonX®</b> 5 operating pressure levels from 10 to 140 mmH <sub>2</sub> O: 10, 40, 80, 110, 140 mmH <sub>2</sub> O. Preconnected anti-siphon device: up to +200 mmH <sub>2</sub> O in vertical position.
	SPVA-SX	<b>Polaris® Adjustable Valve, 30-200, Antechamber, SiphonX®</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O. Integrated antechamber. Preconnected anti-siphon device: up to +200 mmH <sub>2</sub> O in vertical position.
	SPVB-SX	<b>Polaris® Adjustable Valve, 30-200, Burr-Hole reservoir, SiphonX®</b> 5 operating pressure levels from 30 to 200 mmH <sub>2</sub> O: 30, 70, 110, 150, 200 mmH <sub>2</sub> O. Integrated Burr-Hole reservoir. Preconnected anti-siphon device : up to +200 mmH <sub>2</sub> O in vertical position.



## MRI-Stable Adjustable Valves

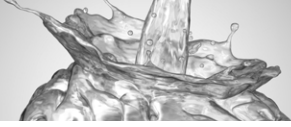
# Polaris<sup>®</sup>

## Polaris<sup>®</sup> Adjustable Valve Kits

Polaris<sup>®</sup> Adjustable Valves are also available in kits, including a Polaris<sup>®</sup> valve, with 5 operating pressure levels (from 30 to 200 mmH<sub>2</sub>O: 30, 70, 110, 150, 200 mmH<sub>2</sub>O), with or without reservoir, with a pre-attached distal catheter (B905S) and a separate ventricular catheter (BO19-10).



	Product code	Description
	SPV-2010	<b>Polaris<sup>®</sup> SPV Kit B905S/BO19-10</b> Right Angle Adapter on the ventricular catheter.
<p>With Antechamber</p>	SPVA-2010	<b>Polaris<sup>®</sup> SPVA Kit B905S/BO19-10</b> Integrated Antechamber. Right Angle Adapter on the ventricular catheter.
<p>With Burr-Hole Reservoir</p>	SPVB-2010	<b>Polaris<sup>®</sup> SPVB Kit B905S/BO19-10</b> Integrated Burr-Hole Reservoir.



# Polaris® Adjustment Kit

## PAK2

### Polaris® Adjustment Kit

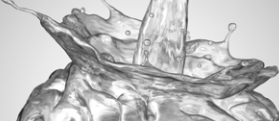
For optimal locating, reading pressure setting and adjusting.

Product code	Description
PAK2	<p><b>Polaris® Adjustment Kit-2</b></p> <p>Complete kit for the adjustment of the Polaris® Adjustable Valve. The shielded case includes a:</p> <ul style="list-style-type: none"> <li>• Locating Instrument (PAK2-LI)</li> <li>• Reading Instrument (PAK2-RI)</li> <li>• Setting Instrument (PAK2-SI)</li> <li>• Polaris® Demo Valve (SPV-Demo-00)</li> </ul>



Product code	Description
PAK3-ERI	<p><b>Polaris® valve electronic reading instrument</b></p> <p>Electronic reading instrument for the reading of Polaris® valve, to be used with the Locating Instrument (PAK2-LI).</p> <p>The PAK3-ERI can be inserted in PAK2.</p>





# Monopressure Valves

Available  
Q3.2026

## Sophy® Mini SM1

### Sophy® Mini Monopressure Valves

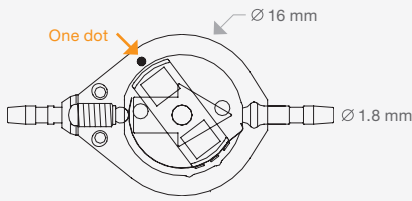
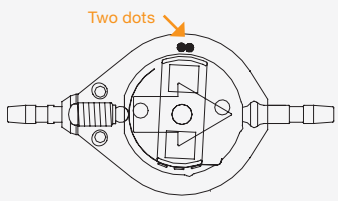
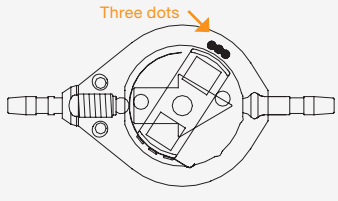
Sophy® Mini Monopressure Valves are fixed-pressure CSF valves, incorporating the same size, shape, material and reliability of the ball-in-cone mechanism as the Sophysa Polaris® Adjustable Valves.

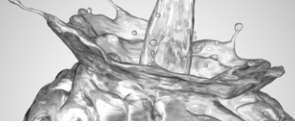
It is available in low, medium, and high pressures.

Each Sophy® Mini Monopressure Valve is identified by a unique serial number.



SM1

	Product code	Description
 <p>One dot</p> <p>Ø 16 mm</p> <p>Ø 1.8 mm</p>	SM1-L	<b>Sophy® Mini Monopressure Valve, Low Pressure</b> Fixed operating pressure of 50 mmH <sub>2</sub> O.
 <p>Two dots</p>	SM1-M	<b>Sophy® Mini Monopressure Valve, Medium Pressure</b> Fixed operating pressure of 110 mmH <sub>2</sub> O.
 <p>Three dots</p>	SM1-H	<b>Sophy® Mini Monopressure Valve, High Pressure</b> Fixed operating pressure of 170 mmH <sub>2</sub> O.



**Monopressure Valves**

**Sophy® Mini SM1**

**Available  
Q3.2026**

**Sophy® Mini Monopressure Valves with Reservoir**

Sophy® Mini Monopressure Valves are also available with integrated reservoirs, for direct CSF access.

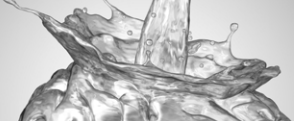


SM1A (Antechamber)



SM1B (Burr-Hole reservoir)

	Product code	Description
	SM1A-L	<b>Sophy® Mini Monopressure Valve Low Pressure, Antechamber</b> Fixed operating pressure of 50 mmH <sub>2</sub> O. Integrated Antechamber.
	SM1A-M	<b>Sophy® Mini Monopressure Valve Medium Pressure, Antechamber</b> Fixed operating pressure of 110 mmH <sub>2</sub> O. Integrated Antechamber.
	SM1A-H	<b>Sophy® Mini Monopressure Valve High Pressure, Antechamber</b> Fixed operating pressure of 170 mmH <sub>2</sub> O. Integrated Antechamber.
	SM1B-L	<b>Sophy® Mini Monopressure Valve Low Pressure, Burr-Hole Reservoir</b> Fixed operating pressure of 50 mmH <sub>2</sub> O. Integrated Burr-Hole Reservoir.
	SM1B-M	<b>Sophy® Mini Monopressure Valve Medium Pressure, Burr-Hole Reservoir</b> Fixed operating pressure of 110 mmH <sub>2</sub> O. Integrated Burr-Hole Reservoir.
	SM1B-H	<b>Sophy® Mini Monopressure Valve High Pressure, Burr-Hole Reservoir</b> Fixed operating pressure of 170 mmH <sub>2</sub> O. Integrated Burr-Hole Reservoir.



## Monopressure Valves

# Sophy® Mini SM1

Available  
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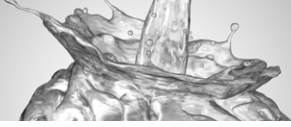
## Sophy® Mini Monopressure Valves Kits

Sophy® Mini Monopressure Valves are also available in kits.

Sophy® Mini Monopressure Valve kits include a Sophy® Mini Monopressure Valve, a pre-attached distal catheter (B905S), and a ventricular catheter (BO19-10).



	Product code	Description
	SM1-2010L	<b>Sophy® Mini Monopressure Low Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 50 mmH <sub>2</sub> O.
	SM1-2010M	<b>Sophy® Mini Monopressure Medium Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 110 mmH <sub>2</sub> O.
	SM1-2010H	<b>Sophy® Mini Monopressure High Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 170 mmH <sub>2</sub> O.
	SM1A-2010L	<b>Sophy® Mini Monopressure SM1A Low Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 50 mmH <sub>2</sub> O. Integrated antechamber.
	SM1A-2010M	<b>Sophy® Mini Monopressure SM1A Medium Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 110 mmH <sub>2</sub> O. Integrated antechamber.
	SM1A-2010H	<b>Sophy® Mini Monopressure SM1A High Pressure Valve Kit B905S/BO19-10</b> Fixed operating pressure level of 170 mmH <sub>2</sub> O. Integrated antechamber.



# Gravitational anti-siphon device

## SiphonX<sup>®</sup>

SiphonX<sup>®</sup> is a valve accessory, designed to limit the siphon effect during cerebrospinal fluid drainage. The device incorporates a ball-in-cone mechanism, well known for its precision and reliability. It is placed downstream of a CSF shunting valve for the treatment of hydrocephalus, giving it an additional resistance depending on the position of the patient. This makes it possible to limit the siphon effect during CSF drainage when the patient stands up.

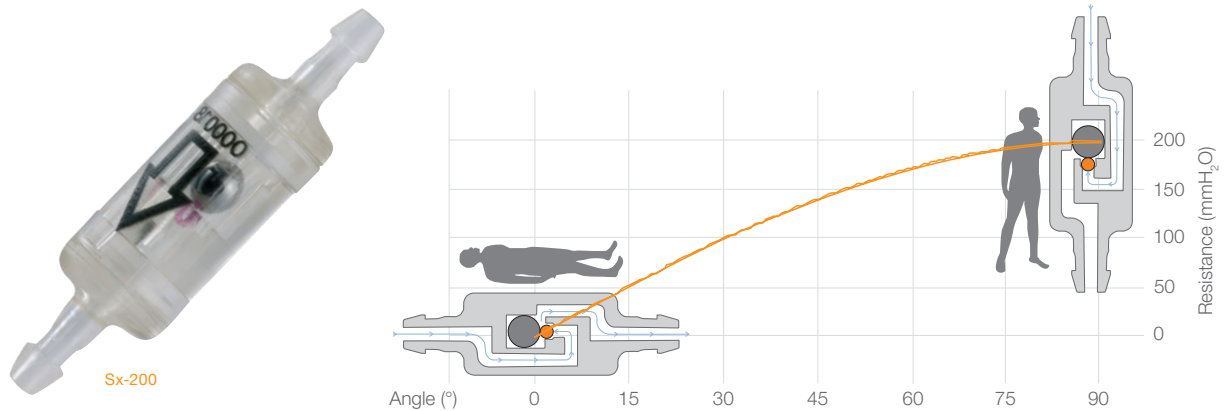
### OPERATING PRINCIPLE

A tantalum weight ball presses on a ruby ball, which occludes the aperture of the passage of the CSF. When SiphonX<sup>®</sup> is in the vertical position, the ruby ball is subjected to the full weight of the tantalum ball, occludes the anti-siphon aperture, giving an additional resistance of 200 mmH<sub>2</sub>O to the operating pressure of the valve.

When SiphonX<sup>®</sup> is in the horizontal position, the ruby ball is not subjected to the weight of the tantalum ball, so does not occlude the aperture of the anti-siphon device.

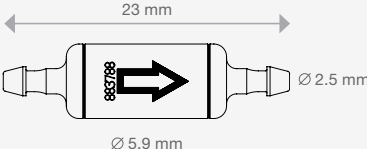
In this horizontal position, the device is therefore open and does not add any additional resistance to the operating pressure of the valve.

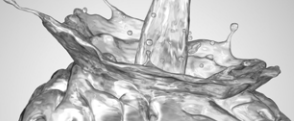
For all intermediate positions, SiphonX<sup>®</sup> adds a resistance which depends on the angle of inclination. By design, SiphonX<sup>®</sup> is not affected by the implantation height relative to cerebral ventricles.



SiphonX<sup>®</sup> is available as an independant valve accessory, but also preattached to Polaris<sup>®</sup> valves (See page 8).

Product code	Description
SX-200	<b>Gravitational anti-siphon device SiphonX<sup>®</sup></b> Adds up to 200 mmH <sub>2</sub> O in vertical position.



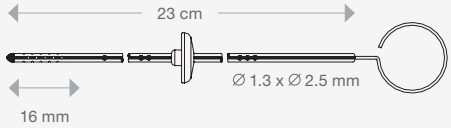


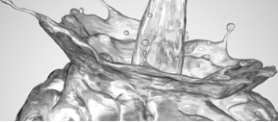
# Ventricular Catheters

## Straight Catheters

### Standard Catheters

Available for both children and adults, they are made of a transparent silicone elastomer, with a radiopaque stripe entirely embedded within the silicone wall, and with a tantalum-labelled tip. Markings indicate the depth of introduction into the cranium.

	Product code	Description
	BO19-10	<b>Catheter, Ventricular, Straight, Standard 1.3 x 2.5 mm</b> Depth markings at 5, 10, 15 cm from the proximal tip.



## Ventricular Catheters

# Right-Angle Catheters

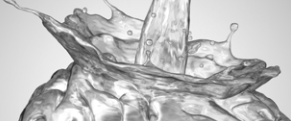
## Anti-Blok™ Catheters

The Anti-Blok™ ventricular catheters are designed with four axial channels at the proximal tip, each with recessed rectangular molded holes. The channels promote free CSF flow and discourage occlusion of the holes by debris, tissue or choroid plexus.

### Adult size

The Right Angle Ventricular Catheters, adult size, 1.5 mm ID (Internal Diameter), 3.0 mm OD (Outside Diameter), with various intracranial lengths (x in cm) and with an extracranial length of 2 cm, are multiperforated over a y distance (y in mm) from the proximal tip. They are made of radiopaque silicone elastomer and include an introducing stylet.

	Product code	Description
	SC33	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 3 cm</b> Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet = 13 cm.
	SC44	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 4 cm</b> Intracranial length x = 4 cm. Proximal tip length y = 17 mm. Introducing stylet = 13 cm.
	SC05	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 5 cm</b> Intracranial length x = 5 cm. Proximal tip length y = 17 mm. Introducing stylet = 13 cm.
	SC06	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 6 cm</b> Intracranial length x = 6 cm. Proximal tip length y = 21 mm. Introducing stylet = 13 cm.
	SC07	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 7 cm</b> Intracranial length x = 7 cm. Proximal tip length y = 21 mm. Introducing stylet = 13 cm.
	SC08	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 8 cm</b> Intracranial length x = 8 cm. Proximal tip length y = 21 mm. Introducing stylet = 13 cm.
	SC09	<b>Right Angle Anti-Blok™ Ventricular Catheter, Adult, 9 cm</b> Intracranial length x = 9 cm. Proximal tip length y = 21 mm. Introducing stylet = 13 cm.



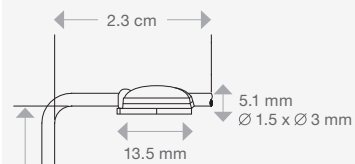
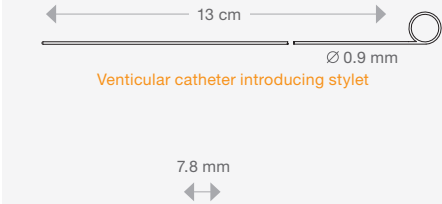
# Ventricular Catheters

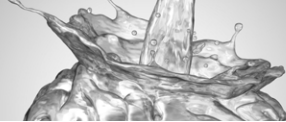
## Right-Angle Catheters

### Pediatric size

The right angle ventricular catheters with a reservoir, pediatric size, 1.1 mm ID (Internal Diameter), 2.2 mm OD (Outside Diameter), with various intracranial x lengths (x in cm) and with an extracranial length of 2.3 cm, are multiperforated over a distance of y (y in mm) from the proximal tip. They are made of radiopaque silicone elastomer and include an introducing stilet. Reservoir allows CSF access and patency shunt testing.

A removable polysulfone plug is also provided. Removing this plug allows conversion of the ventriculostomy catheter-reservoir into a shunt reservoir.

	Product code	Description
	NNCR3	<b>Right Angle Ventricular Catheter Reservoir, Pediatric, 3 cm</b> Intracranial length x = 3 cm. Proximal tip length y = 12 mm. Introducing stilet = 13 cm.
	NNCR4	<b>Right Angle Ventricular Catheter Reservoir, Pediatric, 4 cm</b> Intracranial length x = 4 cm. Proximal tip length y = 16 mm. Introducing stilet = 13 cm.
	NNCR5	<b>Right Angle Ventricular Catheter Reservoir, Pediatric, 5 cm</b> Intracranial length x = 5 cm. Proximal tip length y = 16 mm. Introducing stilet = 13 cm.
	NNCR6	<b>Right Angle Ventricular Catheter Reservoir, Pediatric, 6 cm</b> Intracranial length x = 6 cm. Proximal tip length y = 20 mm. Introducing stilet = 13 cm.
	NNCR7	<b>Right Angle Ventricular Catheter Reservoir, Pediatric, 7 cm</b> Intracranial length x = 7 cm. Proximal tip length y = 20 mm. Introducing stilet = 13 cm.



# Ventricular Catheters

## Right-Angle Catheters with Reservoir

### Anti-Blok™ Catheters

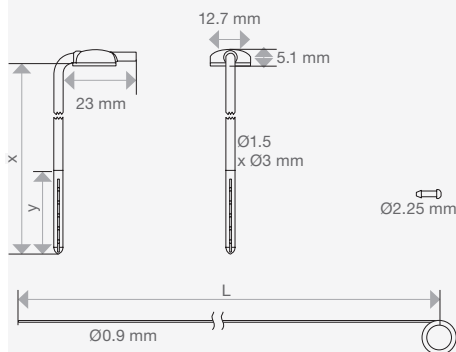
The Anti-Blok™ Ventricular Catheters are designed with four axial channels at the tip, each with recessed rectangular molded holes. The channels allow free CSF flow and limit the risk of occlusion of the holes by debris, tissue or choroid plexus.

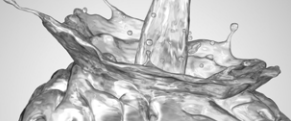
#### For cranial valve placement

The Right Angle Ventricular Catheters with reservoirs, adult size, 1.5 mm ID (Internal Diameter), 3.0 mm OD (Outside Diameter), with various intracranial x lengths (x in cm) and with an extracranial length of 2.3 cm, are multiperforated over a y distance (y in mm) from the proximal tip. They are made of radiopaque silicone elastomer and include an introducing stylet. Reservoir allows CSF access and shunt testing.

A removable polysulfone plug is also provided. Removing this plug allows conversion of the ventriculostomy catheter-reservoir into a shunt reservoir.

Product code	Description
SR33	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 3 cm</b> Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet L = 13 cm.
SR44	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 4 cm</b> Intracranial length x = 4 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SR05	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 5 cm</b> Intracranial length x = 5 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SR06	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 6 cm</b> Intracranial length x = 6 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SR07	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 7 cm</b> Intracranial length x = 7 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SR08	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 8 cm</b> Intracranial length x = 8 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SR09	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 9 cm</b> Intracranial length x = 9 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SR10	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 10 cm</b> Intracranial length x = 10 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SR11	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 11 cm</b> Intracranial length x = 11 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SR12	<b>Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 12 cm</b> Intracranial length x = 12 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.





## Ventricular Catheters

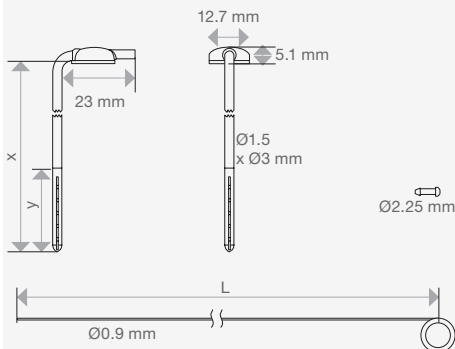
# Right-Angle Catheters with Reservoir

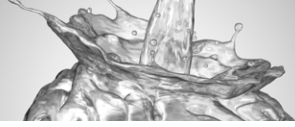
For cranial valve placement with endoscope



SRSxx

Product code	Description
SRS33	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 3 cm</b> Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet L = 13 cm.
SRS44	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 4 cm</b> Intracranial length x = 4 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SRS05	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 5 cm</b> Intracranial length x = 5 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SRS06	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 6 cm</b> Intracranial length x = 6 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS07	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 7 cm</b> Intracranial length x = 7 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS08	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 8 cm</b> Intracranial length x = 8 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS09	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 9 cm</b> Intracranial length x = 9 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS10	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 10 cm</b> Intracranial length x = 10 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SRS11	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 11 cm</b> Intracranial length x = 11 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SRS12	<b>Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 12 cm</b> Intracranial length x = 12 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.


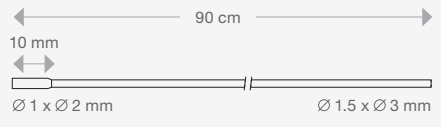
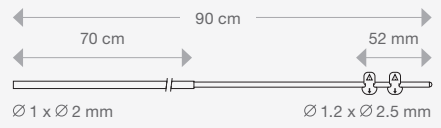
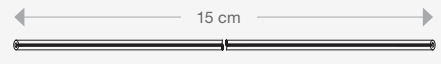


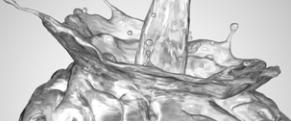


# Distal Catheters

## Atrial and Peritoneal

Sophysa atrial and peritoneal catheters, are made of transparent silicone elastomer, with a radiopaque barium stripe, entirely embedded in the silicone wall, and are specifically designed for cerebrospinal fluid drainage from the valve to the right atrium of the heart, or to the peritoneal cavity.

	Product code	Description
	B905S	<b>Catheter, Atrial/Peritoneal, 1.1 x 2.5 mm</b> Distal catheter for atrial or peritoneal drainage, 1.1 mm ID, 2.5 mm OD, length 110 cm, open-end, multi-perforated distal tip. Made of silicone elastomer with a radiopaque stripe.
	P03	<b>Catheter, Peritoneal, Pliant</b> Distal catheter for peritoneal drainage only, with narrowing diameter at 10 mm of its proximal tip, to increase catheter resistance to flow. Made of radiopaque silicone elastomer.
	P04	<b>Catheter, Peritoneal, Pliant</b> Distal catheter for peritoneal drainage only, with narrowing diameter at 70 cm of its proximal tip to increase catheter resistance to flow, with a closed distal end and lateral slits. Made of radiopaque silicone elastomer.
	P06	<b>Catheter, Peritoneal, Extension tube</b> 1.2 mm ID, 2.5 mm OD, Length = 15 cm.



# Connectors

## 2-ways

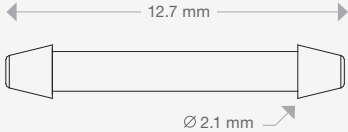
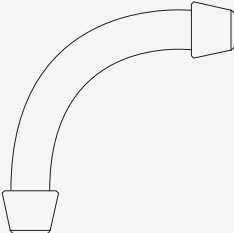
### Symmetrical Straight and Right-Angle

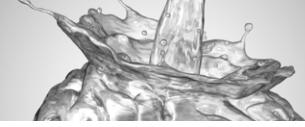


CS1



CR1

	Product code	Description
	CS1	<b>Catheter Connector, Straight, Symmetrical, 316L Steel</b> 1.1 mm ID, 2.1 mm OD. Length: 12.7 mm. 5 units per box.
	CR1	<b>Catheter Connector, Right Angle, 316L Steel</b> 1.1 mm ID, 2.1 mm OD. Length: 12.7 mm. 5 units per box.



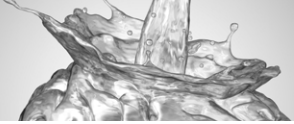
## Connectors | 2 ways

### Asymmetrical Lumbar/Step-Down



CS2

	Product code	Description
	CS2	<p><b>Catheter Connector, Straight, Asymmetrical, 316L Steel</b></p> <p>Inlet connector: 0.7 mm ID, 1.6 mm OD.                      Outlet connector: 1 mm ID, 2.1 mm OD.                      Length: 13 mm.                      1 unit per box.</p>



# Connectors

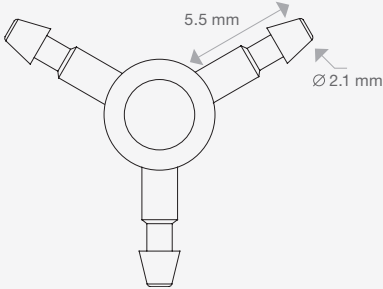
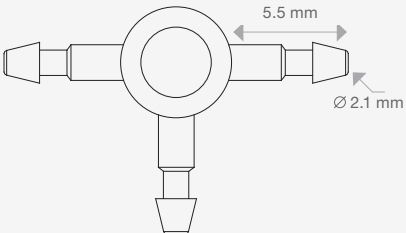
## 3-ways



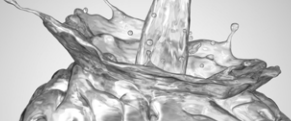
CY1



CT1

	Product code	Description
	CY1	<p><b>Catheter Connector, 3-ways, 316L Steel</b></p> <p>Allows the connection of two ventricular catheters to one valve.</p> <p>1.1 mm ID, 2.1 mm OD.</p> <p>1 unit per box.</p>
	CT1	<p><b>Catheter Connector, 3-ways, 316L Steel</b></p> <p>Allows the connection of two ventricular catheters to one valve.</p> <p>1.1 mm ID, 2.1 mm OD.</p> <p>1 unit per box.</p>

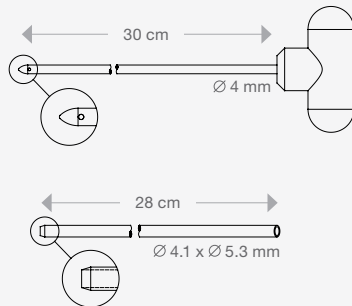
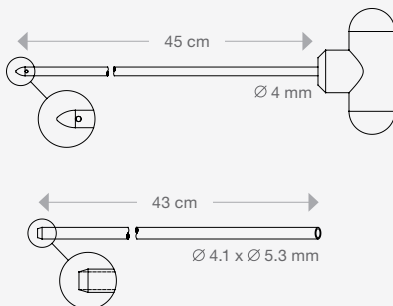
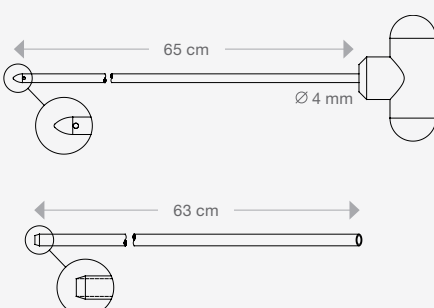
ID: Inside diameter - OD : Outside diameter



# Catheter Passers

**Disposable**



	Product code	Description
	SP05	<p><b>Catheter Passer, Disposable, 30 cm, with a sheath</b></p> <p>Single use stainless steel catheter passer, 30 cm length, pre-inserted in a 28 cm polyethylene sheath. Sterile.</p>
	SP03	<p><b>Catheter Passer, Disposable, 45 cm, with a sheath</b></p> <p>Single use stainless steel catheter passer, 45 cm length, pre-inserted in a 43 cm polyethylene sheath. Sterile.</p>
	SP04	<p><b>Catheter Passer, Disposable, 65 cm, with a sheath</b></p> <p>Single use stainless steel catheter passer, 65 cm length, pre-inserted in a 63 cm polyethylene sheath. Sterile.</p>

# EXTERNAL DRAINAGE



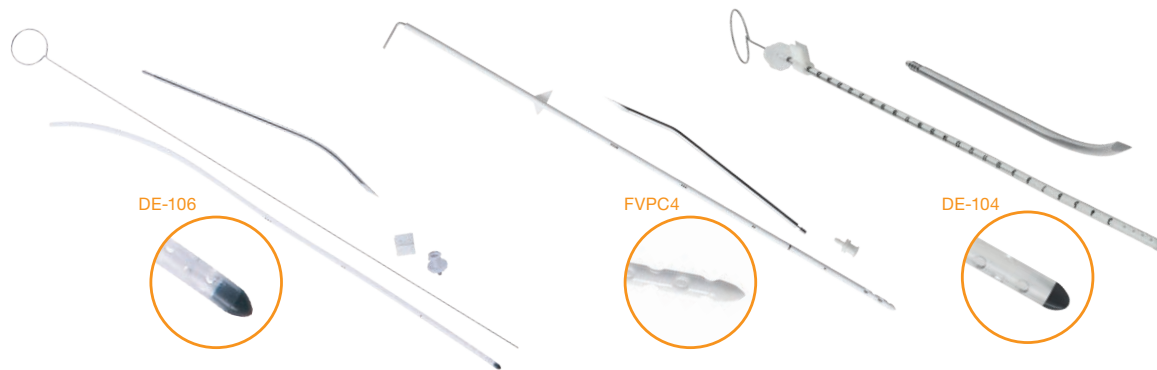
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# External CSF Drainage

## Catheters

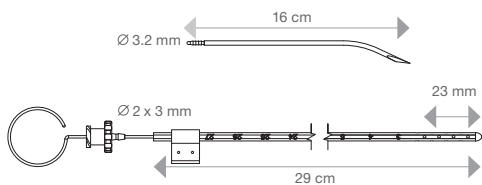
Sophysa has developed specific ventricular and lumbar catheters, in radiopaque silicone elastomer. They are meant to be used with external CSF drainage systems.



### Ventricular catheters

#### Reference Designation

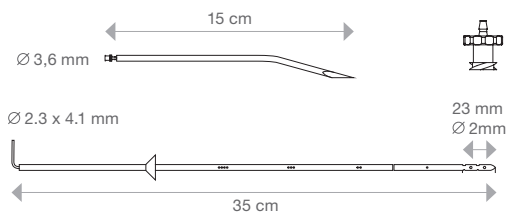
**External Ventricular Catheter (Medium Lumen) • Ventricular catheter in transparent silicone with a radiopaque stripe:**



**DE-104**

- 29 cm length, 2 mm ID, 3 mm OD, 1 mm diameter holes
  - Multiperforated over a distance of 23 mm from the proximal tip
  - Numerical markings from 3 to 28 cm from the proximal tip
- Supplied with:**
- A female Luer-Lock connector
  - Introducing stylet
  - Trocar for tunnelling
  - Suture tab

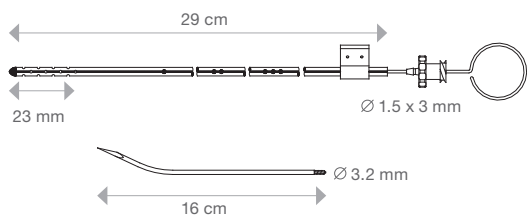
**External Ventricular Catheter (Large Lumen) • Ventricular catheter in radiopaque silicone elastomer:**



**FVPC4**

- 35 cm length, 2.3 mm ID, 4 mm OD, 2 mm diameter holes
  - Multiperforated over a distance of 23 mm from the proximal tip
  - Depth markings at 5, 7.5, 10, 15 and 20 cm from the proximal tip
- Supplied with:**
- A female Luer-Lock connector
  - Introducing stylet
  - Trocar for tunnelling
  - Suture tab at 25 cm from the proximal end

**External Ventricular Catheter • Ventricular catheter in transparent silicone with a radiopaque stripe:**



**DE-106**

- 29 cm length, 1.5 mm ID, 3.0 mm OD, 1 mm diameter holes
  - Multiperforated over a distance of 23 mm from the proximal tip
  - Depth markings at 5, 10, 15 cm from the proximal tip
- Supplied with:**
- Female Luer-Lock connector
  - Introducing stylet
  - Trocar for tunnelling
  - Suture tab

**Available  
Q3.2026**



DE-109



## Lumbar catheters

Product Code	Description
	<p><b>External Lumbar Catheter • Radiopaque silicone lumbar</b></p> <ul style="list-style-type: none"> <li>• 90 cm length, 0.76 mm ID, 1.60 mm OD, 0.5 mm diameter holes</li> <li>• Multi-perforated over a distance of 23 mm from the proximal tip</li> <li>• Depth markings at 11, 16, 21, 26 cm from the proximal tip</li> <li>• With an opened-end tip</li> </ul> <p><b>DE-108</b></p> <p><b>Supplied with:</b></p> <ul style="list-style-type: none"> <li>• Tuohy needle (14 G), 9 cm length</li> <li>• Female Luer-Lock connector (compression hub)</li> <li>• Suture tab</li> </ul>
	<p><b>External Lumbar Catheter with Introducer Guide • Radiopaque silicone lumbar catheter:</b></p> <ul style="list-style-type: none"> <li>• 90 cm length, 0.76 mm ID, 1.60 mm OD, 0.5 mm diameter holes</li> <li>• Multi-perforated over a distance of 23 mm from the proximal tip</li> <li>• Depth markings at 11, 16, 21, 26 cm from the proximal tip</li> <li>• With a closed-end tip</li> </ul> <p><b>DE-109</b></p> <p><b>Supplied with:</b></p> <ul style="list-style-type: none"> <li>• Tuohy needle (14 G), 9 cm length</li> <li>• Female Luer-Lock connector (compression hub)</li> <li>• Suture tab</li> <li>• Introducer guide</li> </ul>



# NEUROMONITORING



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# Neuromonitoring

## Pressio<sup>®</sup> 2 Monitor

The Pressio<sup>®</sup> 2 ICP Monitoring system offers a complete solution for the measurement of intracranial pressure (ICP), along with intracranial temperature (ICT), both in real-time. The system is composed of the Pressio<sup>®</sup> 2 ICP Monitor and dedicated Pressio<sup>®</sup> Catheters.

The pressure and temperature data captured by the Pressio<sup>®</sup> 2 ICP Monitoring system can be shared directly with a patient bedside monitor, a computer, various data aggregators, and external USB storage.

### Pressio<sup>®</sup> 2 Monitor

Product code	Description
PSO-4000	Pressio <sup>®</sup> 2 Monitor. Power Cable and Catheter Extension Cable (PSO-EC30) included.
PSO-EC30	Catheter Extension Cable. For use only with a Pressio <sup>®</sup> 2 Monitor. Length: 2 m



### Patient monitor cable types

Product code	Description	Product code	Description
PSO-MCxx	Patient monitor/pressure cable. For use only with a Pressio <sup>®</sup> 2 monitor. Length: 2.9m	PSO-MCT-y	Patient monitor/temperature cable. For use only with a Pressio <sup>®</sup> 2 monitor. Length: 2.9m

### Pressure cable

Product code	Description	Product code	Description
PSO-MC01	Patient Monitor Cable, Philips (Agilent) 12 pins	PSO-MC02	Patient Monitor Cable, Siemens (Sirecust) 10 pins
PSO-MC03	Patient Monitor Cable, Spacelabs & Mindray 6 pins	PSO-MC04	Patient Monitor Cable, GE (Datex-Ohmeda) 10 pins
PSO-MC05	Patient Monitor Cable, GE Solar (Marquette) 11 pins	PSO-MC08	Patient Monitor Cable, Nihon Kohden 5 pins

### Temperature cable

Product code	Description	Product code	Description
PSO-MCT-A	Patient Monitor Cable, Philips (Agilent) 2 pins	PSO-MCT-B	Patient Monitor Cable, Siemens 7 pins
PSO-MCT-C	Patient Monitor Cable, Spacelabs 10 pins	PSO-MCT-E	Patient Monitor Cable, GE Solar (Marquette), GE Datex- Ohmeda 11 pins
PSO-MCT-F	Patient Monitor Cable, Hellige, Datex-Ohmeda, Nikon-Kohden, Mindray, Datascope 6.35 mm Jack		



# Pressio® Catheters

3 types of implantation possible, depending on clinical needs

	Product code	Description
	<p>PSO-PT PSO-PTT</p>	<p><b>Pressio® catheter kit, Parenchymal Tunneling</b>  <b>ICP only / ICP + ICT Monitoring</b></p> <ol style="list-style-type: none"> <li>1. Polyamide Catheter with sensors, 0.7mm diameter</li> <li>2. 3.5mm drill bit, with adjustable stop</li> <li>3. Allen wrench, to adjust drill bit stop</li> <li>4. Fixation wing</li> <li>5. Tunneling needle</li> </ol>
	<p>PSO-PB PSO-PBT</p>	<p><b>Pressio® catheter kit, Parenchymal with Bolt</b>  <b>ICP only / ICP + ICT Monitoring</b></p> <ol style="list-style-type: none"> <li>1. Polyamide Catheter with sensors, 0.7mm diameter</li> <li>2. Bolt with tightening screw</li> <li>3. Spacer ring to adjust bolt depth</li> <li>4. 2.7mm diameter drill bit, with adjustable stop</li> <li>5. Allen wrench, to adjust drill bit stop</li> <li>6. Stylet</li> </ol>
	<p>PSO-VT PSO-VTT</p>	<p><b>Pressio® catheter kit, Ventricular Tunneling</b>  <b>ICP only / ICP + ICT Monitoring</b></p> <ol style="list-style-type: none"> <li>1. Allen wrench, to adjust drill bit stop</li> <li>2. Luer lock connection for external CSF drainage</li> <li>3. 3mm diameter drill bit, with adjustable stop</li> <li>4. Fixation wing</li> <li>5. Ventricular Catheter with sensors, in a 3 mm silicon sheath, with pre-inserted stylet, and dedicated lumen for CSF drainage, and depth markings</li> <li>6. Trocar with tunnelling sheath</li> </ol>

# Pressio® accessories

	Product code	Description	Product code	Description
	PSO-MRI	Pressio® MRI Support For positioning Pressio® Catheter during MRI examination	PSO-DR	Single-use, disposable drill

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DCCa-MG-01(US) Rev002 02/2026 – Sophysa US Catalog

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