Sophysa
Catalog USA

- Hydrocephalus
- External Drainage
- Neuromonitoring

SOPHYSA
At the heart of the **brain**

SOPHYSA

Sophysa Catalog

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, reservoirs, 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 Ventricular Drainage (EVD):

- EVD 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 45 years.

Know more about Sophysa

SOPHYSA

Sophysa Catalog

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NOTE:
US Catalog only: Images and diagrams are not to scale. Information included in this catalog do not replace Instructions for Use; always refer to Instructions for Use for complete information. All product, product specifications and data are subject to change without notice.RX-only. Federal (USA) Law restricts these devices to sale by or on the order of a physician.

SOPHYSA

HYDROCEPHALUS

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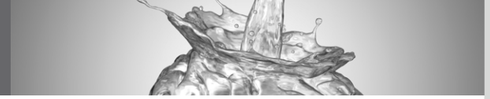
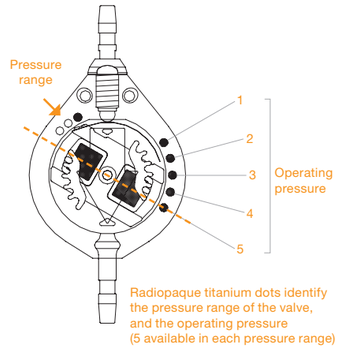


MRI-Stable Adjustable Valves

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_2O.
Three additional special pressure ranges are also available, to address specific clinical needs:
10 to 140 mmH_2O (low pressure range), 50 to 300 mmH_2O (high pressure range), and 80 to 400 mmH_2O (very high pressure range). Each Polaris® Valve is individually tested and identified by a unique serial number.



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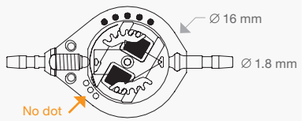
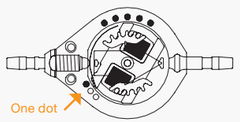
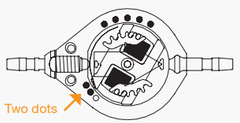
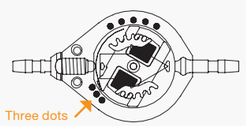
	SPV-140	**Polaris® Adjustable Valve, 10-140** 5 operating pressure levels from 10 to 140 mmH_2O: 10, 40, 80, 110, 140 mmH_2O.
	SPV	**Polaris® Adjustable Valve, 30-200** 5 operating pressure levels from 30 to 200 mmH_2O: 30, 70, 110, 150, 200 mmH_2O.
	SPV-300	**Polaris® Adjustable Valve, 50-300** 5 operating pressure levels from 50 to 300 mmH_2O: 50, 100, 150, 220, 300 mmH_2O.
	SPV-400	**Polaris® Adjustable Valve, 80-400** 5 operating pressure levels from 80 to 400 mmH_2O: 80, 150, 230, 330, 400 mmH_2O.

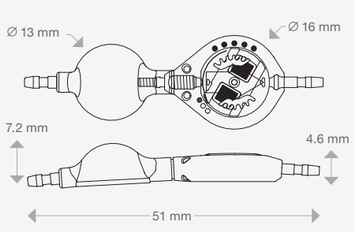
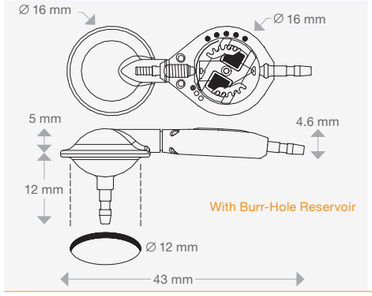
MRI-Stable Adjustable Valves

Polaris®

Polaris® Adjustable Valves with Reservoir

SPVA (Antechamber)

SPVB (Burr-Hole reservoir)

	Product code	Description
 With Antechamber	SPVA-140	**Polaris® Adjustable Valve, 10-140, Antechamber** 5 operating pressure levels from 10 to 140 mmH$_2$O: 10, 40, 80, 110, 140 mmH$_2$O. Integrated antechamber.
	SPVA	**Polaris® Adjustable Valve, 30-200, Antechamber** 5 operating pressure levels from 30 to 200 mmH$_2$O: 30, 70, 110, 150, 200 mmH$_2$O. Integrated antechamber.
	SPVA-300	**Polaris® Adjustable Valve, 50-300, Antechamber** 5 operating pressure levels from 50 to 300 mmH$_2$O: 50, 100, 150, 220, 300 mmH$_2$O. Integrated antechamber.
	SPVA-400	**Polaris® Adjustable Valve, 80-400, Antechamber** 5 operating pressure levels from 80 to 400 mmH$_2$O: 80, 150, 230, 330, 400 mmH$_2$O. Integrated antechamber.
 With Burr-Hole Reservoir	SPVB	**Polaris® Adjustable Valve, 30-200, Burr-Hole Reservoir** 5 operating pressure levels from 30 to 200 mmH$_2$O: 30, 70, 110, 150, 200 mmH$_2$O. Integrated Burr-Hole reservoir.

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MRI-Stable Adjustable Valves

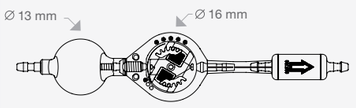
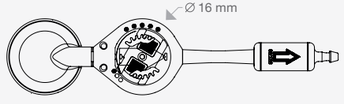
Polaris®

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$_2$O in the vertical position).

SPV-SX

SPVA-SX
(with Antechamber)

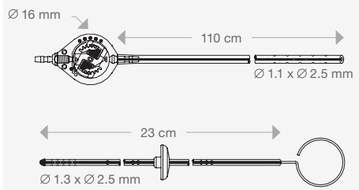
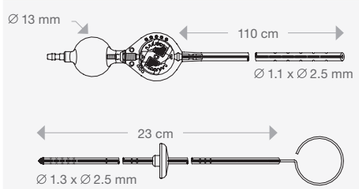
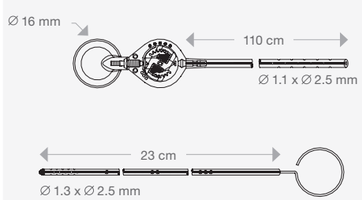
	Product code	Description
	SPV140-SX	**Polaris® Adjustable Valve, 10-140, SiphonX®** 5 operating pressure levels from 10 to 140 mmH$_2$O: 10, 40, 80, 110, 140 mmH$_2$O. Preconnected anti-siphon device: up to +200 mmH$_2$O in vertical position.
	SPV-SX	**Polaris® Adjustable Valve, 30-200, SiphonX®** 5 operating pressure levels from 30 to 200 mmH$_2$O: 30, 70, 110, 150, 200 mmH$_2$O. Preconnected anti-siphon device:up to +200 mmH$_2$O in vertical position.
	SPVA-140-SX	**Polaris® Adjustable Valve, 10-140, Antechamber, SiphonX®** 5 operating pressure levels from 10 to 140 mmH$_2$O: 10, 40, 80, 110, 140 mmH$_2$O. Integrated antechamber. Preconnected anti-siphon device: up to +200 mmH$_2$O in vertical position.
	SPVA-SX	**Polaris® Adjustable Valve, 30-200, Antechamber, SiphonX®** 5 operating pressure levels from 30 to 200 mmH$_2$O: 30, 70, 110, 150, 200 mmH$_2$O. Integrated antechamber. Preconnected anti-siphon device: up to +200 mmH$_2$O in vertical position.
	SPVB-SX	**Polaris® Adjustable Valve, 30-200, Burr-Hole reservoir, SiphonX®** 5 operating pressure levels from 30 to 200 mmH2$_O$. 30, 70, 110, 150, 200 mmH$_2$O. Integrated Burr-Hole reservoir. Preconnected anti-siphon device : up to +200 mmH$_2$O in vertical position.

MRI-Stable Adjustable Valves

Polaris®

Polaris® Adjustable Valve Kits

Polaris® Adjustable Valves are also available in kits, including a Polaris® valve, with 5 operating pressure levels (from 30 to 200 mmH_2O: 30, 70, 110, 150, 200 mmH_2O), with or without reservoir, with a pre-attached distal catheter (B905S) and a separate ventricular catheter (BO19-10).

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

Polaris® Adjustment Kit

PAK2

Polaris® Adjustment Kit

For optimal locating, reading pressure setting and adjusting.

	Product code	Description
 PAK2-SI - PAK2-LI - PAK2-RI	PAK2	**Polaris® Adjustment Kit-2** Complete kit for the adjustment of the Polaris® Adjustable Valve. The shielded case includes a: • Locating Instrument (PAK2-LI) • Reading Instrument (PAK2-RI) • Setting Instrument (PAK2-SI) • Polaris® Demo Valve (SPV-Demo-00)

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

Gravitational anti-siphon device

SiphonX®

SiphonX® 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

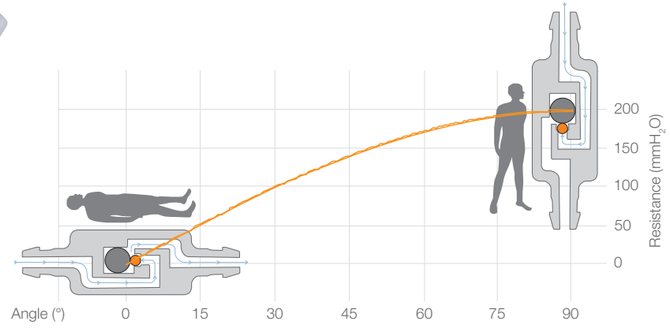
A tantalum weight ball presses on a ruby ball, which occludes the aperture of the passage of the CSF. When SiphonX® is in the vertical position, the ruby ball is subjected to the full weight of the tantalum ball, occludes the anti-siphon aperture, giving an additional resistance of 200 mmH_2O to the operating pressure of the valve.

When SiphonX® 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.

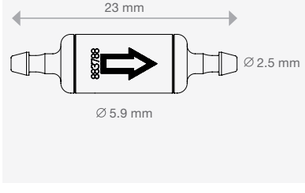
In this horizontal position, the device is therefore open and does not add any additional resistance to the operating pressure of the valve.

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

Sx-200



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

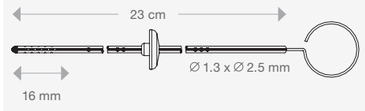
	Product code	Description
	SX-200	**Gravitational anti-siphon device SiphonX®** Adds up to 200 mmH_2O in vertical position.

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	**Catheter, Ventricular, Straight, Standard 1.3 x 2.5 mm** Depth markings at 5, 10, 15 cm from the proximal tip.

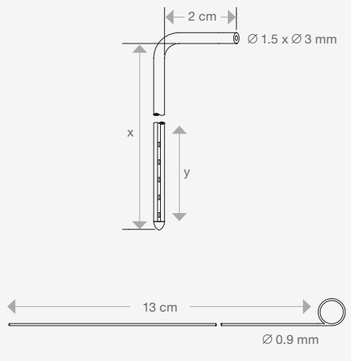
Ventricular Catheters
Right-Angle Catheters

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.



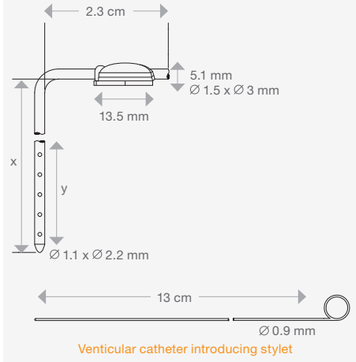
Product code	Description
SC33	**Right Angle Anti-Blok™ Ventricular Catheter, Adult, 3 cm** Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet = 13 cm.
SC44	**Right Angle Anti-Blok™ Ventricular Catheter, Adult, 4 cm** Intracranial length x = 4 cm. Proximal tip length y = 17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



Venticular catheter introducing stylet

Removable plug

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

Ventricular Catheters

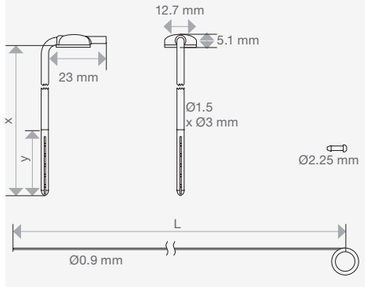
Right-Angle Catheters with Reservoir

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.

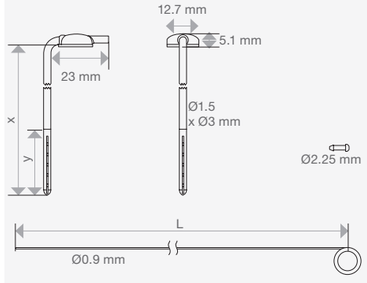


Product code	Description
SR33	**Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 3 cm** Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet L = 13 cm.
SR44	**Right Angle Anti-Blok™ Ventricular Catheter Reservoir, 4 cm** Intracranial length x = 4 cm. Proximal tip length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

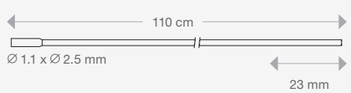
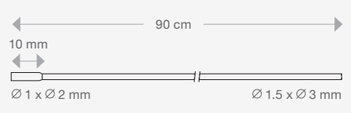
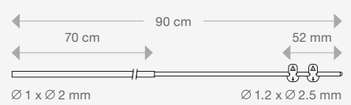
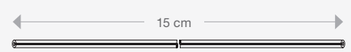


Product code	Description
SRS33	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 3 cm** Intracranial length x = 3 cm. Proximal tip length y = 13 mm. Introducing stylet L = 13 cm.
SRS44	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 4 cm** Intracranial length x = 4 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SRS05	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 5 cm** Intracranial length x = 5 cm. Proximal tip length y = 17 mm. Introducing stylet L = 13 cm.
SRS06	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 6 cm** Intracranial length x = 6 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS07	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 7 cm** Intracranial length x = 7 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS08	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 8 cm** Intracranial length x = 8 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS09	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 9 cm** Intracranial length x = 9 cm. Proximal tip length y = 21 mm. Introducing stylet L = 13 cm.
SRS10	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 10 cm** Intracranial length x = 10 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SRS11	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 11 cm** Intracranial length x = 11 cm. Proximal tip length y = 21 mm. Introducing stylet L = 16 cm.
SRS12	**Right Angle Anti-Blok™ Endoscopic Ventricular Catheter Reservoir, 12 cm** 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	**Catheter, Atrial/Peritoneal, 1.1 x 2.5 mm** 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	**Catheter, Peritoneal, Pliant** 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	**Catheter, Peritoneal, Pliant** 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.
	P05	**Catheter, Peritoneal, Extension tube** 1.2 mm ID, 2.5 mm OD, Length = 15 cm.

ID: Inside diameter - OD : Outside diameter

CSF Reservoirs

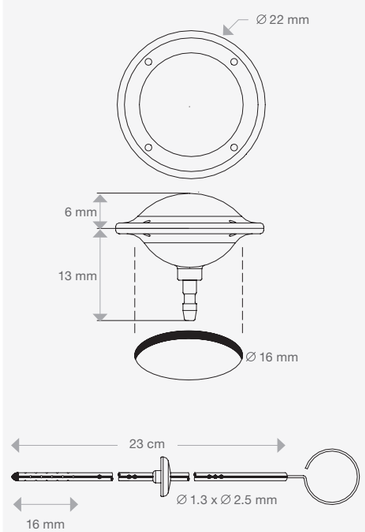
Standard

Standard CSF reservoirs are used for subcutaneous CSF access.
All reservoirs are supplied with a separate ventricular catheter.

Bottom inlet

Burr-Hole type

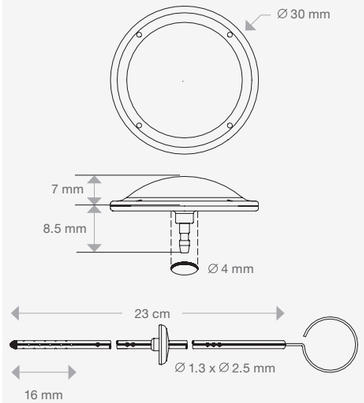
RE-2010

	Product code	Description
	RE-2010	**Standard CSF Reservoir, Bottom inlet, Burr-Hole, 22 mm** Designed to rest in the Burr-Hole. Transparent dome,base in polypropylene and radiopaque concave bottom. In case of needle penetration, the dome comes back impervious after needle withdrawal 4 suture holes. Access with a 24G or smaller Huber-point needle.

NOTE: Not all reservoirs may be available for immediate shipment.

Flat Bottom

RE-2011

	Product code	Description
	RE-2011	**Standard CSF Reservoir, Bottom inlet Flat Bottom, 30 mm** Requires smaller trephine opening, compared to the Burr-Hole model. Transparent dome, base in polypropylene and radiopaque concave bottom. In case of needle penetration, the dome comes back impervious after needle withdrawal. 4 suture holes. Access with a 24G or smaller Huber-needle.

NOTE: Not all reservoirs may be available for immediate shipment.

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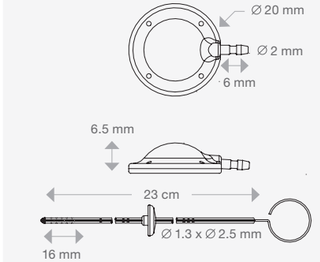
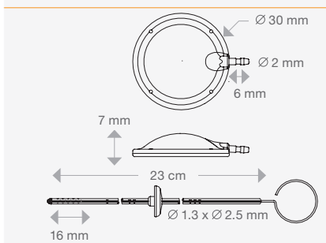
CSF Reservoirs I Standard

Side-inlet

Side-Inlet CSF Reservoirs are flat-bottom reservoirs to be implanted away from the Burr-Hole made in the skull.

RE-1021

RE-2021

	Product code	Description
	RE-1021	**Standard CSF Reservoir, Side inlet, Flat Bottom, 20 mm** Transparent dome, base in polypropylene and radiopaque bottom. In case of needle penetration, the dome comes back impervious after needle withdrawal 4 suture holes. Access with a 24G or smaller Huber-needle.
	RE-2021	**Standard CSF Reservoir, Side inlet, Flat Bottom, 30 mm** Transparent dome, base in polypropylene and radiopaque bottom. In case of needle penetration, the dome comes back impervious after needle withdrawal 4 suture holes. Access with a 24G or smaller Huber-needle.

NOTE: Not all reservoirs may be available for immediate shipment.

CSF Reservoirs

Convertible

Convertible reservoirs are designed to be connected to a shunt, should this conversion become necessary. For that purpose, they include a silicone lateral catheter closed at its distal end. This outlet catheter may be cut and connected to a valve.

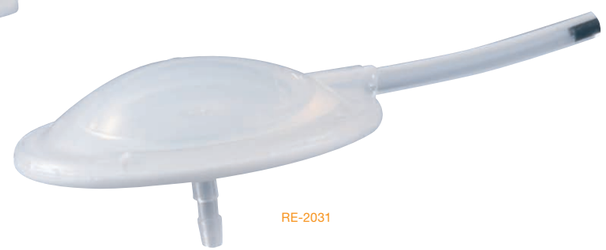
Burr-Hole type

Product code	Description
RE-1030	**Convertible CSF Reservoir, Burr-Hole, 16 mm** Transparent dome, base in polypropylene and silicone closed-end catheter with a radiopaque stripe. In case of needle penetration, the dome comes back impervious after needle withdrawal. 4 suture holes. Provided with a separated ventricular catheter. Access with a 24G or smaller Huber-point needle.
RE-2030	**Convertible CSF Reservoir, Burr-Hole, 22 mm** Transparent dome, base in polypropylene and silicone closed-end catheter with a radiopaque stripe. In case of needle penetration, the dome comes back impervious after needle withdrawal. 4 suture holes. Provided with a separated ventricular catheter. Access with a 24G or smaller Huber-point needle.

NOTE: Not all reservoirs may be available for immediate shipment.

SOPHYSA

Flat Bottom



Product code	Description
RE-1031	**Convertible CSF Reservoir, Flat Bottom, 22 mm** Transparent dome, base in polypropylene, radiopaque bottom and silicone closed-end catheter with a radiopaque stripe. In case of needle penetration, the dome comes back impervious after needle withdrawal. 4 suture holes. Provided with a separated ventricular catheter. Access with a 24G or smaller Huber-point needle.
RE-2031	**Convertible CSF Reservoir, Flat Bottom, 30 mm** Transparent dome, base in polypropylene, radiopaque bottom and silicone closed-end catheter with a radiopaque stripe. In case of needle penetration, the dome comes back impervious after needle withdrawal. 4 suture holes. Provided with a separated ventricular catheter. Access with a 24G or smaller Huber-point needle.

NOTE: Not all reservoirs may be available for immediate shipment.

Connectors

2-ways

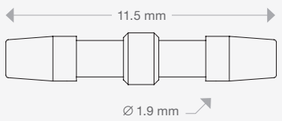
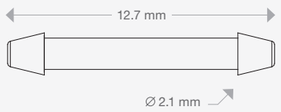
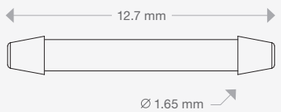
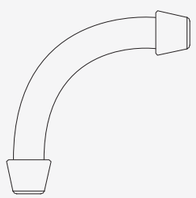
Symmetrical Straight and Right-Angle


CO-1010


CS1


NNCS1


CR1

	Product code	Description
	CO-1010	**Catheter Connector, Straight, Symmetrical, Titanium** 1.2 mm ID, 1.9 mm OD. Length: 11.5 mm. 5 units per box.
	CS1	**Catheter Connector, Straight, Symmetrical, 316L Steel** 1.1 mm ID, 2.1 mm OD. Length: 12.7 mm. 5 units per box.
	NNCS1	**Catheter Connector, Straight, Symmetrical, 316L Steel, Neonatal** 0.5 mm ID, 1.65 mm OD. Length: 12.7 mm. 1 unit per box.
	CR1	**Catheter Connector, Right Angle, 316L Steel** 1.1 mm ID, 2.1 mm OD. Lenght: 12.7 mm. 5 units per box.

ID: Inside diameter - OD : Outside diameter

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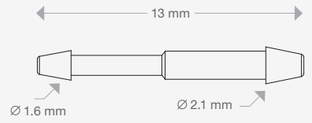
Asymmetrical Lumbar/Step-Down


CO-2010


CS2

	Product code	Description
	CO-2010	**Catheter Connector, Straight, Asymmetrical, Titanium** Inlet connector: 0.75 mm ID, 1.2 mm OD. Outlet connector: 1.2 mm ID, 1.9 mm OD. Length: 11.5 mm. 5 units per box.
	CS2	**Catheter Connector, Straight, Asymmetrical, 316L Steel** 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.

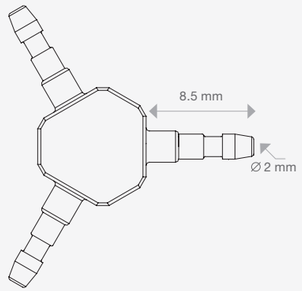
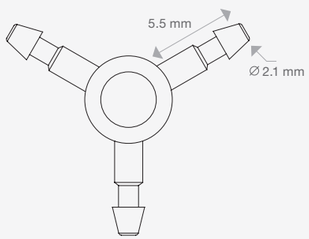
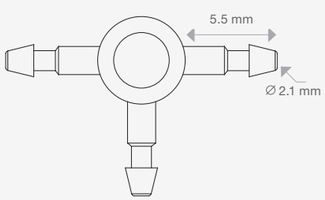
Connectors

3-ways

CO-3010

CY1

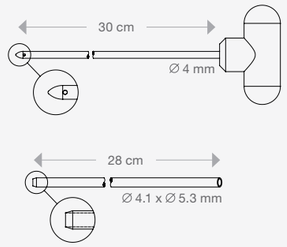
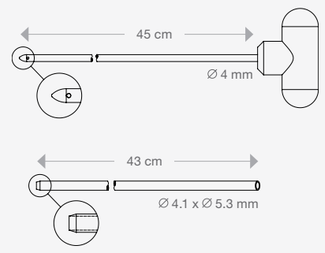
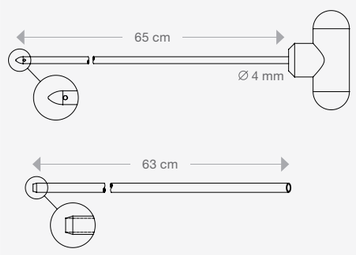
CT1

	Product code	Description
	CO-3010	**Catheter Connector, 3-ways, Polypropylene** Allows the connection of two ventricular catheters to one valve. 1 mm ID, 2 mm OD. 1 unit per box.
	CY1	**Catheter Connector, 3-ways, 316L Steel** Allows the connection of two ventricular catheters to one valve. 1.1 mm ID, 2.1 mm OD. 1 unit per box.
	CT1	**Catheter Connector, 3-ways, 316L Steel** Allows the connection of two ventricular catheters to one valve. 1.1 mm ID, 2.1 mm OD. 1 unit per box.

ID: Inside diameter - OD : Outside diameter

Catheter Passers

Disposable

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

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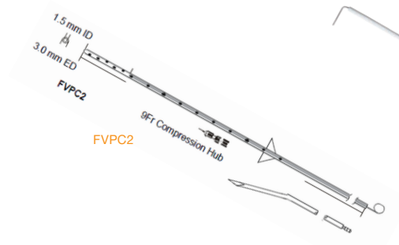
EXTERNAL DRAINAGE

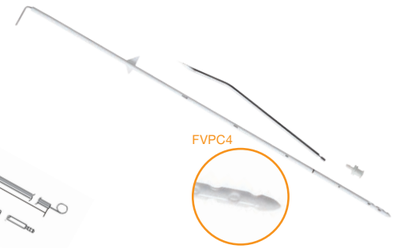
CONTENTS

External CSF Drainage

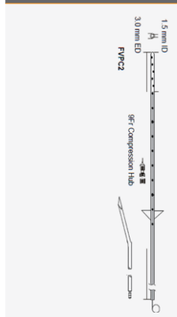
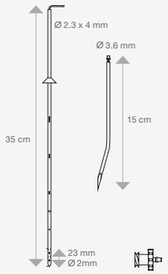
Catheters

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





Ventricular catheters

	Product Code	Description
	FVPC2	**Fifth Ventricle Spiral-Port Ventricular Catheter** **Ventricular catheter in radiopaque silicone elastomer:** • 35 cm length, 1.5 mm ID, 3 mm OD, 0.5 mm diameter holes • Multiperforated over a distance of 23 mm from the proximal tip • Markings every centimeter from 3 to 10 cm, and at 15 and 20 cm from the ventricular tip **Supplied with:** • Luer-Lock connector • Stainless steel stylet • Trocar for tunnelling • Pre-attached suture tab at 29 cm from the proximal end
	FVPC4	**External Ventricular Catheter (Large Lumen)** **Ventricular catheter in radiopaque silicone elastomer:** • 35 cm length, 2 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:** • Luer-Lock connector • Introducing stylet • Trocar for tunnelling • Pre-attached suture tab at 25 cm from the proximal end

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NEUROMONITORING

CONTENTS

Neuromonitoring

Pressio® 2 Monitor

The Pressio® 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® 2 ICP Monitor and dedicated Pressio® Catheters.

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

Pressio® 2 Monitor

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

Patient monitor cable types

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

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

Pressure cable

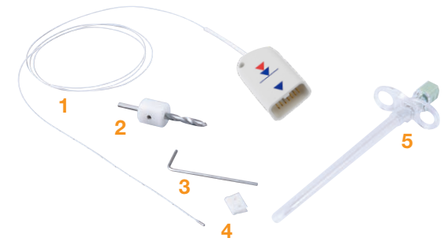
	Product code	Description	
	PSO-MC01	Patient Monitor Cable, Philips (Agilent)	12 pins
	PSO-MC02	Patient Monitor Cable, Siemens (Sirecust)	10 pins
	PSO-MC03	Patient Monitor Cable, Spacelabs & Mindray	6 pins
	PSO-MC04	Patient Monitor Cable, GE (Datex-Ohmeda)	10 pins
	PSO-MC05	Patient Monitor Cable, GE Solar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

Temperature cable

	Product code	Description	
	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
	PSO-PT PSO-PTT	**Pressio® catheter kit, Parenchymal Tunneling** **ICP only / ICP + ICT Monitoring** 1. Polyamide Catheter with sensors, 0.7mm diameter 2. 3.5mm drill bit, with adjustable stop 3. Allen wrench, to adjust drill bit stop 4. Fixation wing 5. Tunnelling needle
	PSO-PB PSO-PBT	**Pressio® catheter kit, Parenchymal with Bolt** **ICP only / ICP + ICT Monitoring** 1. Polyamide Catheter with sensors, 0.7mm diameter 2. Bolt with tightening screw 3. Spacer ring to adjust bolt depth 4. 2.7mm diameter drill bit, with adjustable stop 5. Allen wrench, to adjust drill bit stop 6. Stylet
	PSO-VT PSO-VTT	**Pressio® catheter kit, Ventricular Tunneling** **ICP only / ICP + ICT Monitoring** 7. Allen wrench, to adjust drill bit stop 8. Luer lock connection for external CSF drainage 9. 3.5 diameter drill bit, with adjustable stop 10. Fixation wing 11. Ventricular Catheter with sensors, in a 3 mm silicon sheath, with pre-inserted stylet, and dedicated lumen for CSF drainage, and depth markings 12. Trocar with tunnelling sheath

Pressio® accessories

	Product code	Description
	PSO-MRI	Pressio® MRI Support For positioning Pressio® Catheter during MRI examination

Product code	Description
PSO-DR	Single-use, disposable drill

Product Code Index

SOPHYSA

At the heart of the **brain**

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