

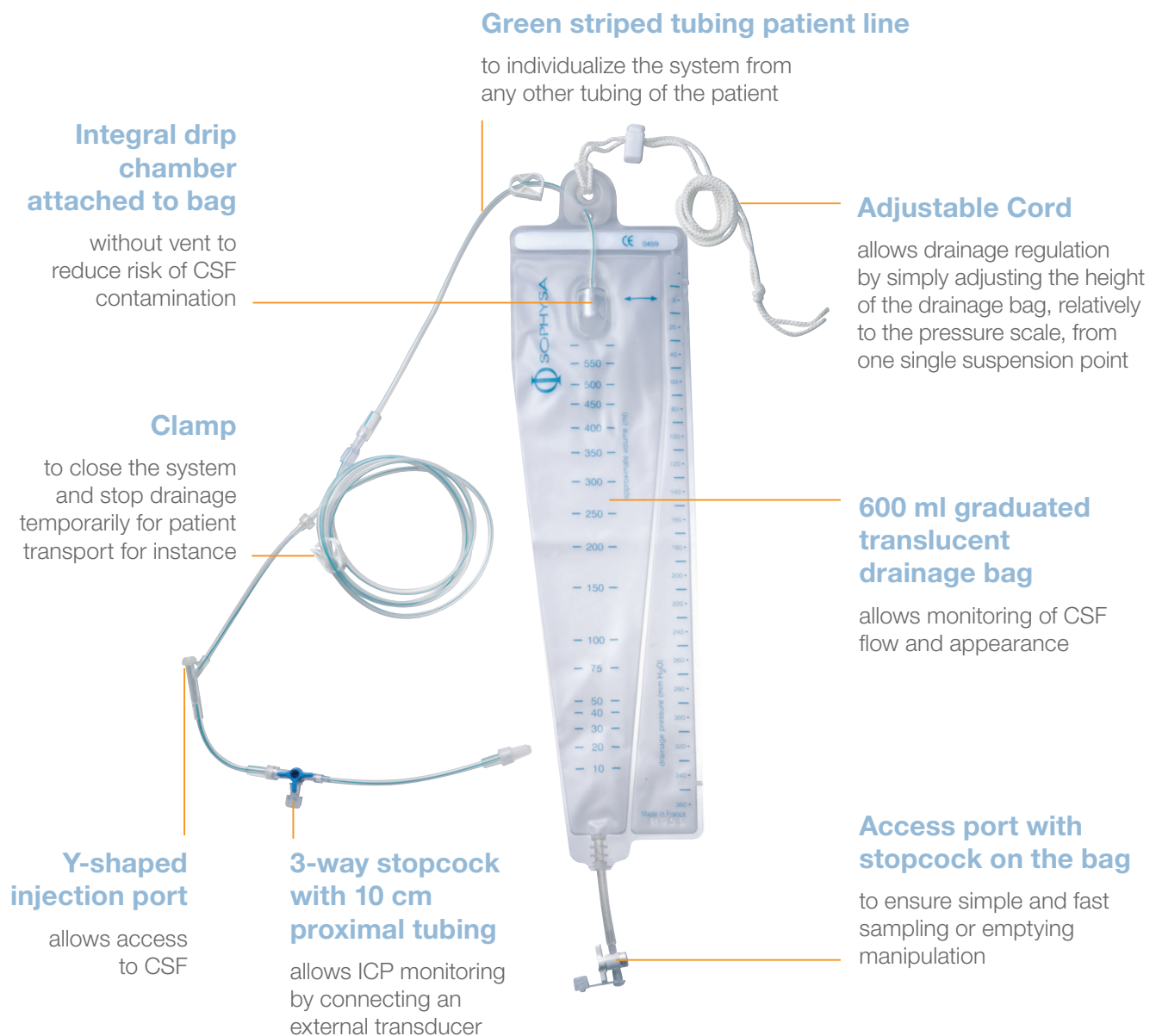
External CSF Drainage

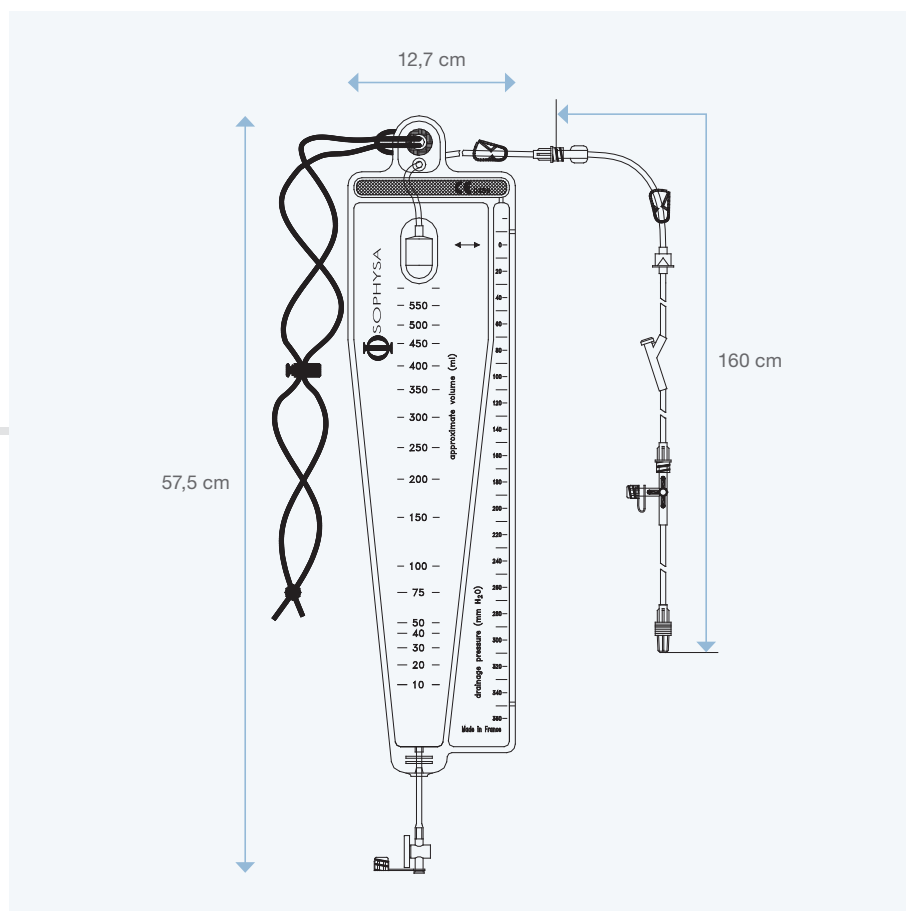
A complete range of External CSF Drainage and CSF monitoring products



External CSF Drainage System

A completely hermetic system, without vent, that allows aseptic shunting of CSF, from the ventricular cavities or the lumbar subarachnoid spaces.



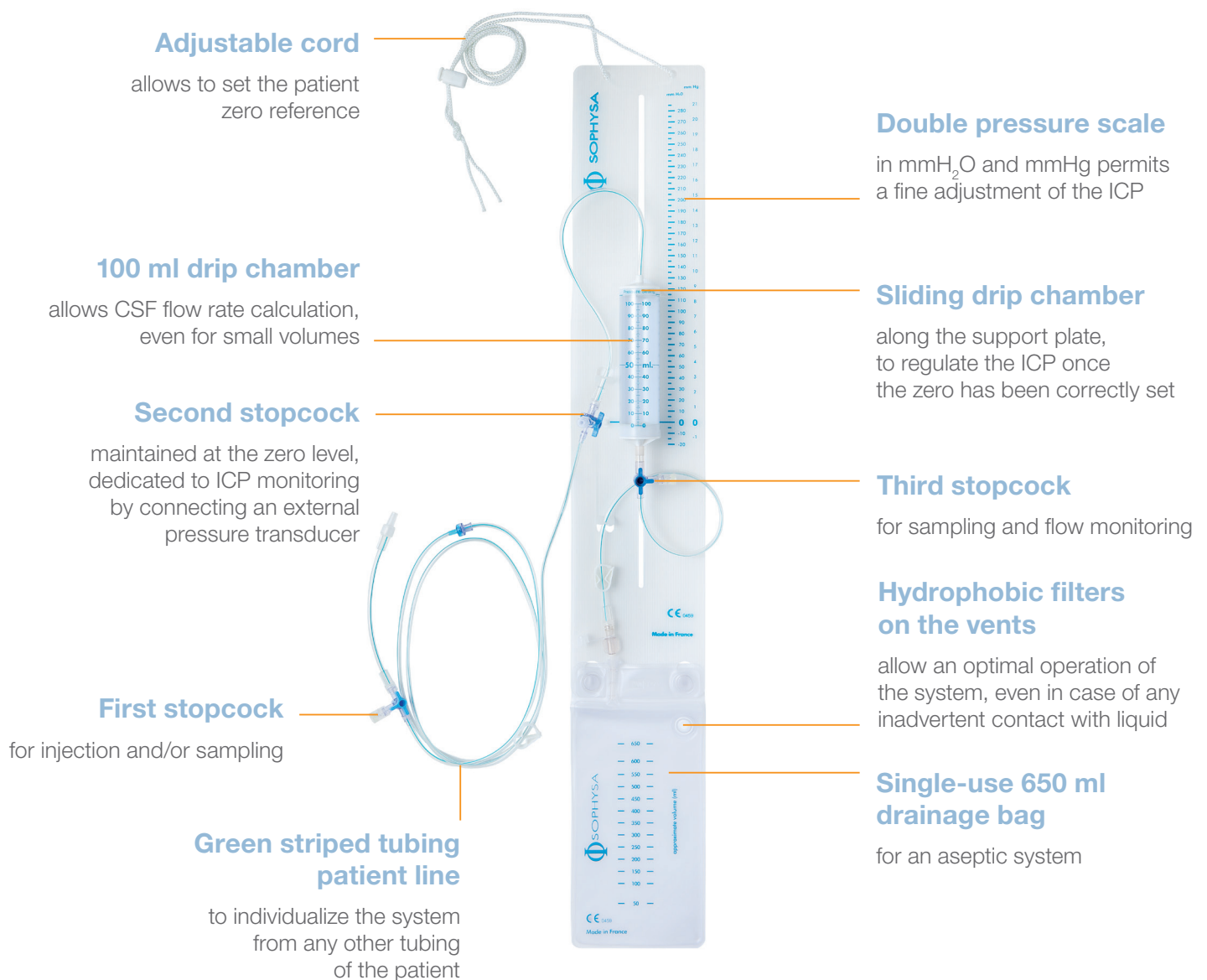


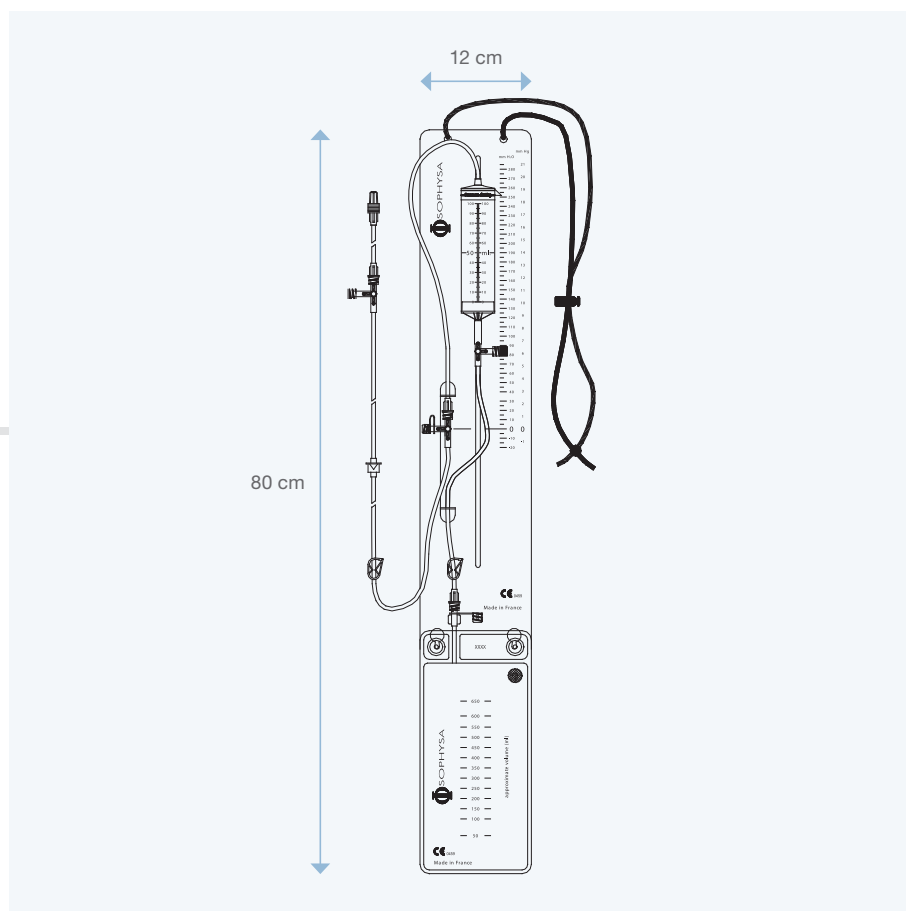
Product Code	Description
DE-210	<p>External CSF Drainage System</p> <ul style="list-style-type: none"> • 600 ml graduated drainage bag with: <ul style="list-style-type: none"> - integral drip chamber, 30 cm tubing length, with a clamp and a male Luer-Lock connector. - access port with stopcock and removable cap. - 360 mmH₂O graduated scale. • Drainage tubing, 160 cm length, identified by a green stripe embedded in tubing wall, with female Luer-Lock connector, clamp, anti-reflux valve, Y-shaped injection port, 3-way stopcock with a Luer-Lock connector, ending in a male Luer-Lock connector for connection to the catheter.
DE-220	<p>Replacement Bag for DE-210 (External CSF Drainage System)</p> <p>Replacement drainage bag for the External CSF Drainage System. 5 per package.</p> <ul style="list-style-type: none"> • 600 ml graduated drainage bag with: <ul style="list-style-type: none"> - integral drip chamber, 30 cm tubing length, with a clamp, and a male Luer-Lock connector. - access port with stopcock and removable cap. - 360 mmH₂O graduated scale.



External CSF Drainage & Monitoring System

A complete CSF drainage system with a graduated drip chamber that allows CSF flow rate calculation. This system also permits samples to be taken, medication to be injected and ICP to be monitored.





Product Code	Description
--------------	-------------

DE-410	External CSF Drainage and Monitoring System <ul style="list-style-type: none"> • Single-use drainage bag (650 ml), graduated, with protective cap and hydrophobic filter. • Support plate, graduated in mmH₂O, and mmHg, to adjust intracranial pressure (ICP). • 100 ml graduated drip chamber ($\pm 2\%$), with a hydrophobic air vent. • Three 3-way stopcocks with Luer-Lock connection, each with a latex free access site dedicated either to injection, sampling, or ICP measurements. • Drainage tubing, 160 cm length, identified by a green stripe embedded in tubing wall with Luer-Lock connections, an anti-reflux valve and a clamp.
--------	--



DE-420	Replacement Bag for DE-410 (External CSF Drainage and Monitoring System) <p>Replacement drainage bag for the version of the External CSF Drainage with CSF Flow Rate monitoring.</p> <p>5 per package.</p>
--------	---




External CSF Drainage Catheters

A complete range of ventricular and lumbar catheters is available.
They are meant to be used with the two different Sophysa external CSF drainage systems.

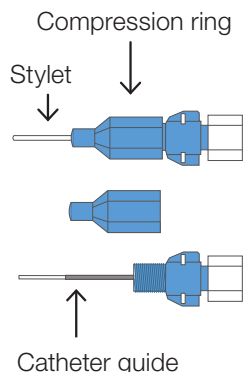
Ventricular catheters

	Product Code	Description
	DE-106	External Ventricular Catheter Ventricular catheter: <ul style="list-style-type: none">• 29 cm length, 1.5 mm ID, 3.0 mm OD• with radiopaque stripe• multiperforated over a distance of 23 mm from the proximal tip• depth markings at 5, 10, 15 cm from the proximal tip Supplied with: <ul style="list-style-type: none">• female Luer-Lock connector• introducer stylet• trocar for tunnelling• suture tab
	DE-105	External Ventricular Catheter (Large Lumen) Ventricular catheter: <ul style="list-style-type: none">• 35 cm length, 2.3 mm ID, 4 mm OD, 2 mm diameter holes• in radiopaque silicone elastomer• multiperforated over a distance of 25 mm from the proximal tip• depth markings at 5, 7.5, 10, 15 and 20 cm from the proximal tip Supplied with: <ul style="list-style-type: none">• a female Luer-Lock connector• introducer stylet• trocar for tunnelling• pre-attached suture tab at 25 cm from the proximal end

Lumbar catheters

	Product Code	Description
	DE-108	External Lumbar Catheter Radiopaque lumbar catheter: <ul style="list-style-type: none"> • 90 cm length, 0.76 mm ID, 1.60 mm OD • multiperforated over a distance of 23 mm from the proximal tip • depth markings at 11, 16, 21, 26 cm from the proximal tip • with an opened-end tip Supplied with: <ul style="list-style-type: none"> • Tuohy needle (14 G), 9 cm length • Compression hub. • suture tab
	DE-109	External Lumbar Catheter with Introducer Guide Radiopaque lumbar catheter: <ul style="list-style-type: none"> • 90 cm length, 0.76 mm ID, 1.60 mm OD • multiperforated over a distance of 23 mm from the proximal tip • depth markings at 11, 16, 21, 26 cm from the proximal tip • with a closed-end tip Supplied with: <ul style="list-style-type: none"> • Tuohy needle (14 G), 9 cm length • Compression hub • suture tab • introducer guide

Focus on the compression hub : an alternative to the classical Luer-Lock connector

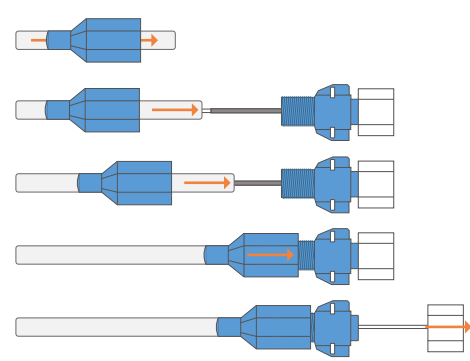


Compression ring

Stylet

Catheter guide

- ① Unscrew the compression ring
- ② Insert the distal end of the catheter through the compression ring.
- ③ Push the distal end of the catheter onto the stylet.
- ④ Push the distal end of the catheter onto the guide catheter as far as possible.
- ⑤ Screw the compression ring
- ⑥ Remove the stylet and connection the compression hub to the patient line



Reference	Designation
-----------	-------------

External CSF Drainage System



DE-210 External CSF Drainage System

DE-220 Replacement bag for DE-210 (External CSF Drainage System)

External CSF Drainage & Monitoring System



DE-410 External CSF Drainage & Monitoring System

DE-420 Replacement bag for DE-410 (External CSF Drainage & Monitoring System)

External CSF Drainage – Catheters

DE-106 External Ventricular Catheter

DE-105 External Ventricular Catheter (Large Lumen)

DE-108 External Lumbar Catheter

DE-109 External Lumbar Catheter with Introducer Guide

External CSF Drainage – Kits

DE-306 External Ventricular Drainage System, Complete Kit (DE-210 + DE-106)

DE-305 External Ventricular Drainage System, Complete Kit (Large Lumen) (DE-210 + DE-105)

DE-308 External Lumbar Drainage System, Complete Kit (DE-210 + DE-108)

DE-406 External Ventricular Drainage and Monitoring, Complete Kit (DE-410 + DE-106)

DE-408 External Lumbar Drainage and Monitoring, Complete Kit (DE-410 + DE-108)