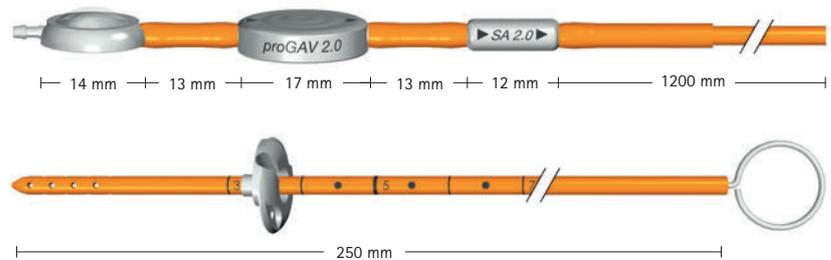


proGAV® 2.0 Shunt System XABO®

WITH PEDIATRIC CONTROL RESERVOIR

*An additional valve in the inlet of the pediatric CONTROL RESERVOIR makes it possible to pump cerebrospinal fluid in the direction of drainage only, allowing inspection of both the distal drainage section as well as the ventricular catheter

- proGAV 2.0 valve with integrated pediatric CONTROL RESERVOIR and XABO distal catheter
- XABO ventricular catheter with introducing stylet and pediatric deflector (13 mm)



Connector: $d_o = 1.9$ mm
 proGAV 2.0: $h = 4.5$ mm
 SA 2.0: $d_o = 4.2$ mm
 Catheters: $d_i = 1.2$ mm
 $d_o = 2.5$ mm

** preset to 5 cmH₂O



*pediatric CONTROL RESERVOIR

STANDARD CONFIGURATIONS

Art. No.	Differential pressure unit **	Gravitational unit
FX609A	0 - 20 cmH ₂ O	20 cmH ₂ O
FX610A	0 - 20 cmH ₂ O	25 cmH ₂ O

15 pirkimo dalis

ALTERNATIVE CONFIGURATIONS AVAILABLE

Art. No.	Differential pressure unit **	Gravitational unit
FX607A	0 - 20 cmH ₂ O	10 cmH ₂ O
FX608A	0 - 20 cmH ₂ O	15 cmH ₂ O
FX611A	0 - 20 cmH ₂ O	30 cmH ₂ O
FX612A	0 - 20 cmH ₂ O	35 cmH ₂ O

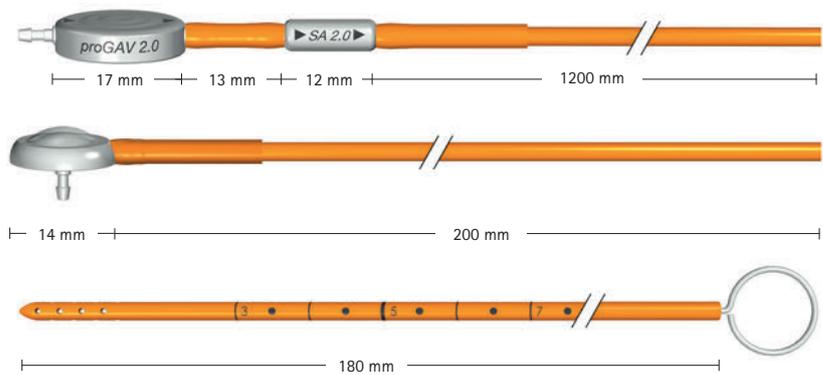
proGAV[®] 2.0 Shunt System XABO[®]

WITH PEDIATRIC SPRUNG RESERVOIR



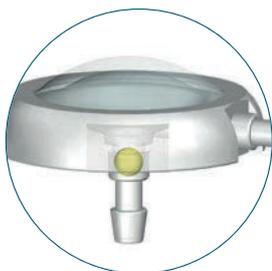
* An additional valve in the inlet of the pediatric SPRUNG RESERVOIR makes it possible to pump cerebrospinal fluid in the direction of drainage only, allowing inspection of both the distal drainage section as well as the ventricular catheter

- proGAV 2.0 valve with XABO distal catheter
- Pediatric SPRUNG RESERVOIR with XABO distal catheter
- XABO ventricular catheter with introducing stylet



Connector: $d_o = 1.9$ mm
 proGAV 2.0: $h = 4.5$ mm
 SA 2.0: $d_o = 4.2$ mm
 Catheters: $d_i = 1.2$ mm
 $d_o = 2.5$ mm

** preset to 5 cmH₂O



*pediatric SPRUNG RESERVOIR

STANDARD CONFIGURATIONS

Art. No.	Differential pressure unit **	Gravitational unit
FX583A	0 - 20 cmH ₂ O	20 cmH ₂ O
FX584A	0 - 20 cmH ₂ O	25 cmH ₂ O

ALTERNATIVE CONFIGURATIONS AVAILABLE

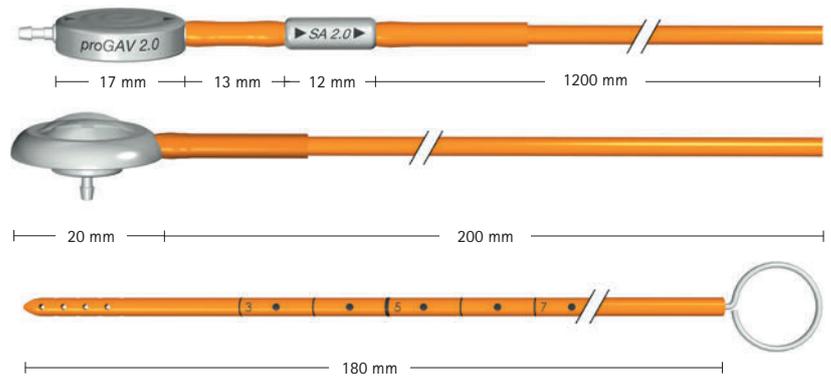
Art. No.	Differential pressure unit **	Gravitational unit
FX581A	0 - 20 cmH ₂ O	10 cmH ₂ O
FX582A	0 - 20 cmH ₂ O	15 cmH ₂ O
FX585A	0 - 20 cmH ₂ O	30 cmH ₂ O
FX586A	0 - 20 cmH ₂ O	35 cmH ₂ O

proGAV[®] 2.0 Shunt System XABO[®]

WITH SPRUNG RESERVOIR

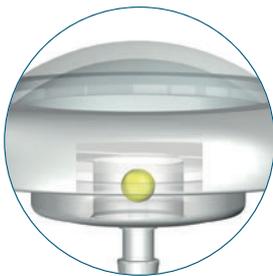
* An additional valve in the inlet of the SPRUNG RESERVOIR makes it possible to pump cerebrospinal fluid in the direction of drainage only, allowing inspection of both the distal drainage section as well as the ventricular catheter

- proGAV 2.0 valve with XABO distal catheter
- SPRUNG RESERVOIR with XABO distal catheter
- XABO ventricular catheter with introducing stylet



Connector: $d_o = 1.9$ mm
 proGAV 2.0: $h = 4.5$ mm
 SA 2.0: $d_o = 4.2$ mm
 Catheters: $d_i = 1.2$ mm
 $d_o = 2.5$ mm

** preset to 5 cmH₂O



*SPRUNG RESERVOIR

STANDARD CONFIGURATIONS

Art. No.	Differential pressure unit **	Gravitational unit
FX576A	0 - 20 cmH ₂ O	20 cmH ₂ O
FX577A	0 - 20 cmH ₂ O	25 cmH ₂ O

ALTERNATIVE CONFIGURATIONS AVAILABLE

Art. No.	Differential pressure unit **	Gravitational unit
FX574A	0 - 20 cmH ₂ O	10 cmH ₂ O
FX575A	0 - 20 cmH ₂ O	15 cmH ₂ O
FX578A	0 - 20 cmH ₂ O	30 cmH ₂ O
FX579A	0 - 20 cmH ₂ O	35 cmH ₂ O

- *M.blue plus* Instrument Set
- *M.blue plus* Compass
- *M.blue plus* Adjustment ring
- *M.blue plus* Adjustment assistant



M.blue plus Compass



M.blue plus Adjustment ring



M.blue plus Adjustment assistant

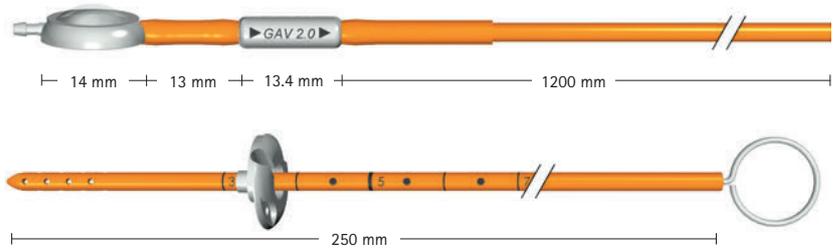
Art. Nr.	Instruments
FX890T	<i>M.blue plus</i> Instrument Set (includes FX891T and FX892T)
FX891T	<i>M.blue plus</i> Compass
FX892T	<i>M.blue plus</i> Adjustment ring
FX893T	<i>M.blue plus</i> Adjustment assistant

GAV[®] 2.0 Shunt System XABO[®]

WITH PEDIATRIC CONTROL RESERVOIR

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- GAV 2.0 valve with integrated pediatric CONTROL RESERVOIR and XABO distal catheter
- XABO ventricular catheter with introducing stylet and pediatric deflector (13 mm)



Connector: $d_o = 1.9$ mm
 Valve: $d_o = 4.2$ mm
 Catheters: $d_i = 1.2$ mm
 $d_o = 2.5$ mm



*pediatric CONTROL RESERVOIR

CONFIGURATIONS

Art. No.	lying	upright
FX152A	5 cmH ₂ O	20 cmH ₂ O
FX153A	5 cmH ₂ O	25 cmH ₂ O
FX154A	5 cmH ₂ O	30 cmH ₂ O
FX155A	5 cmH ₂ O	35 cmH ₂ O
FX156A	10 cmH ₂ O	25 cmH ₂ O
FX157A	10 cmH ₂ O	30 cmH ₂ O

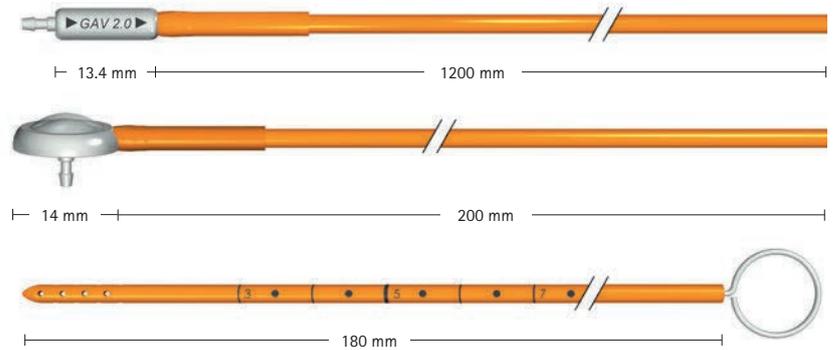
GAV[®] 2.0 Shunt System XABO[®]

WITH PEDIATRIC SPRUNG RESERVOIR



*An additional valve in the inlet of the pediatric SPRUNG RESERVOIR makes it possible to pump cerebrospinal fluid in the direction of drainage only, allowing inspection of both the distal drainage section as well as the ventricular catheter

- GAV 2.0 valve with XABO distal catheter
- Pediatric SPRUNG RESERVOIR with XABO distal catheter
- XABO ventricular catheter with introducing stylet



Connector: $d_o = 1.9 \text{ mm}$
 Valve: $d_o = 4.2 \text{ mm}$
 Catheters: $d_i = 1.2 \text{ mm}$
 $d_o = 2.5 \text{ mm}$



*pediatric SPRUNG RESERVOIR

CONFIGURATIONS

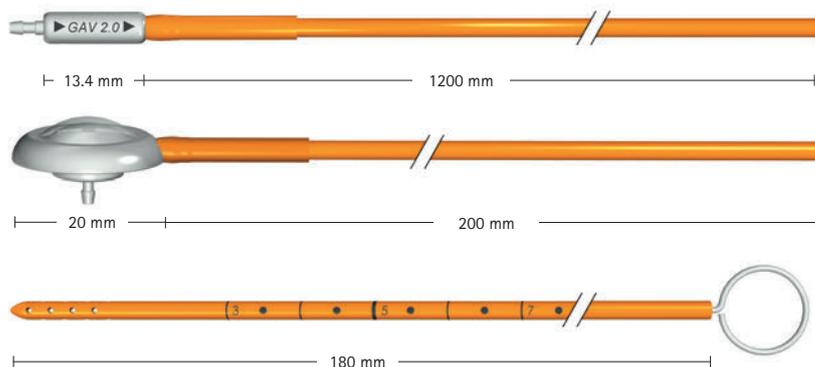
Art. No.	lying	upright
FX276A	5 cmH ₂ O	20 cmH ₂ O
FX277A	5 cmH ₂ O	25 cmH ₂ O
FX278A	5 cmH ₂ O	30 cmH ₂ O
FX279A	5 cmH ₂ O	35 cmH ₂ O
FX280A	10 cmH ₂ O	25 cmH ₂ O
FX281A	10 cmH ₂ O	30 cmH ₂ O

GAV[®] 2.0 plus Shunt System XABO[®]

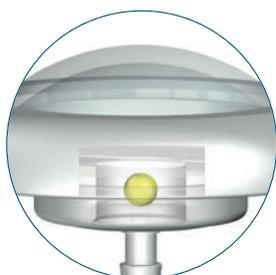
WITH SPRUNG RESERVOIR

*An additional valve in the inlet of the SPRUNG RESERVOIR makes it possible to pump cerebrospinal fluid in the direction of drainage only, allowing inspection of both the distal drainage section as well as the ventricular catheter

- GAV 2.0 valve with XABO distal catheter
- SPRUNG RESERVOIR with XABO distal catheter
- XABO ventricular catheter with introducing stylet



Connector: $d_o = 1.9$ mm
 Valve: $d_o = 4.2$ mm
 Catheters: $d_i = 1.2$ mm
 $d_o = 2.5$ mm



*SPRUNG RESERVOIR

CONFIGURATIONS

Art. No.	lying	upright
FX270A	5 cmH ₂ O	20 cmH ₂ O
FX271A	5 cmH ₂ O	25 cmH ₂ O
FX272A	5 cmH ₂ O	30 cmH ₂ O
FX274A	5 cmH ₂ O	35 cmH ₂ O
FX274A	10 cmH ₂ O	25 cmH ₂ O
FX275A	10 cmH ₂ O	30 cmH ₂ O

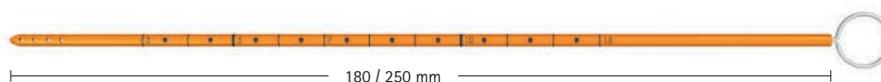
XABO® Catheters

- Impregnated with Clindamycin hydrochloride (0.15 weight %) and Rifampicin (0.054 weight %)
- Catheters are made of radiopaque silicone
- Inner diameter 1.2 mm
- Outer diameter 2.5 mm



PERITONEAL CATHETER

Art. No.	Length
FY010A	600 mm
FY011A	900 mm
FY012A	1200 mm



VENTRICULAR CATHETER

Art. No.	Length
FY020A	180 mm
FY021A	250 mm



Deflector

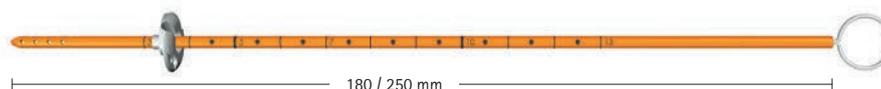


VENTRICULAR CATHETER WITH DEFLECTOR

Art. No.	Length	Deflector diameter
FY022A	180 mm	13 mm
FY023A	250 mm	13 mm



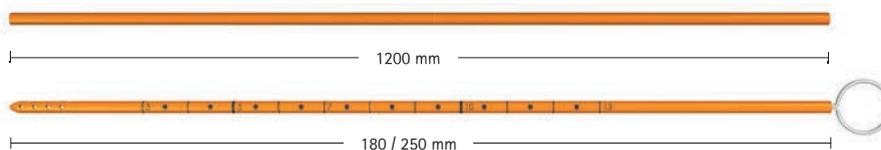
pediatric deflector



VENTRICULAR CATHETER WITH PEDIATRIC DEFLECTOR

Art. No.	Length	Deflector diameter
FY024A	180 mm	16 mm
FY025A	250 mm	16 mm

- Set contains one ventricular catheter and one peritoneal catheter



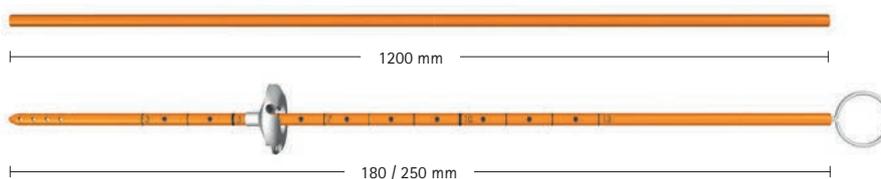
CATHETER SET

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Art. No.	Ventricular Catheter	Peritoneal Catheter
FY040A	180 mm	1200 mm
FY041A	250 mm	1200 mm



Deflector

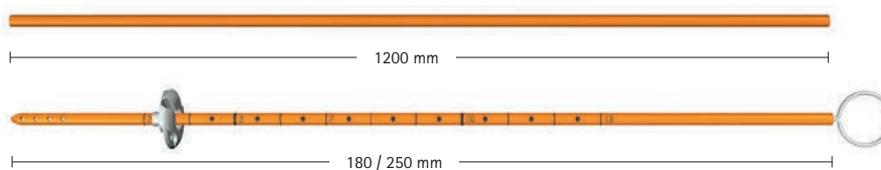


CATHETER SET WITH DEFELECTOR

Art. No.	Ventricular Catheter	Peritoneal Catheter
FY042A	180 mm	1200 mm
FY043A	250 mm	1200 mm



pediatric deflector



CATHETER SET WITH PEDIATRIC DEFLECTOR

Art. No.	Ventricular Catheter	Peritoneal Catheter
FY044A	180 mm	1200 mm
FY045A	250 mm	1200 mm

OUR SHUNT SYSTEMS – YOUR CHOICE

OUR SHUNT SYSTEMS

	<i>M.blue</i> [®]	<i>M.blue plus</i> [®]	<i>proGAV</i> [®] 2.0	<i>GAV</i> [®] 2.0	SHUNT-ASSISTANT [®] 2.0	<i>miniNAV</i> [®]	Accessories
Description	Adjustable gravitational valve with integrated differential pressure unit	Adjustable differential pressure valve with adjustable gravitational unit	Adjustable differential pressure valve with gravitational unit	Gravitational valve for the treatment of hydrocephalus	Gravitational unit for integration into shunt systems in order to avoid excess drainage	Differential pressure valve, specifically for premature babies and newborns or bedridden or non-mobile patients	
Indication							
NPH	✓	✓	✓	✓	✓		
Pediatric HC	✓	✓	✓	✓	✓	✓	
Adult HC	✓	✓	✓	✓	✓	✓	
Patient							
Bedridden	✓	✓	✓	✓	✓	✓	
Active	✓	✓	✓	✓	✓	*	
Feature							
3-Tesla MR Conditional	✓	✓	✓	✓	✓	✓	
Gravitational unit	✓	✓	✓	✓	✓		
Adjustable	✓	✓	✓				
LP				✓	✓		
XABO[®]	✓	✓	✓	✓			✓

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