## Shunting System

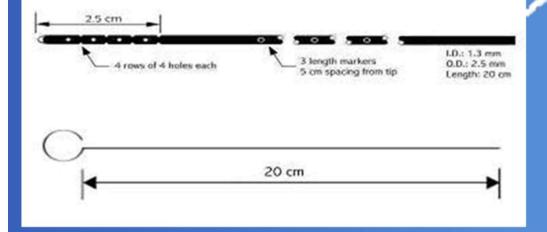




### Ventricular Catheter 01101

Barium-impregnated silicone catheter provides resistance to kinking and compression. Stainless steel stylet allows catheter to be directed during catheter placement. The catheter is fabricated from silicone elastomer tubing impregnated with barium to provide radiopacity.

Barium impregnation allows for visualization of the catheter on x-ray.
non-ferrous design won't interfere with CT scans or MRI.



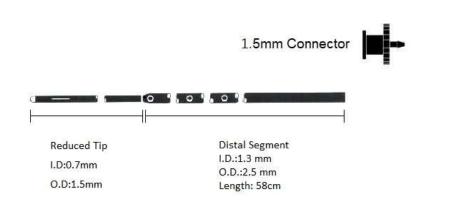
Included with product 1ea. Ventricular Catheter Barium Impregnated I.D.: 1.3 mm O.D.: 2.5 mm Length: 20 cm 1ea. Stainless Steel Stylet (20 cm)

## BMI® Medical Distal Catheter (03107)

Barium-impregnated silicone catheter provides resistance to kinking and compression. All catheter impregnated with white barium to provide radiopacity and resistance to catheter kinking and compression.

The proximal tip is filled with tantalum-impregnated silicone elastomer.

CSF fluid flow from 4 slit openings prevent penetration and the obstruction of the catheter. Free-flow slit openings design to eliminate distal end migration.



Included with product 1ea. Distal Catheter Barium Impregnated I.D.: 1.3 mm O.D.: 2.5 mm Length: 58 cm 1ea. Connector (1.5 mm)

#### CSF Valve Burr Hole (L.M.H)

Two sizes are available: 12mm/14mm. (Pediatric/Adult) High, Medium, Low pressure are available.

#### **Features**

**1.Flexible silicone elastomer eliminating valve sticking and deformation.** 

2.Connector included.

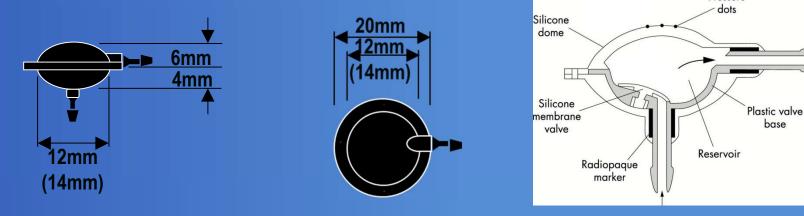
**3.Internal flow path is uncomplicated.** 

4.Two-way flushing eliminates separate reservoirs or antechambers.

5.Non-metallic design will neo interfere with CT scans or MRI.

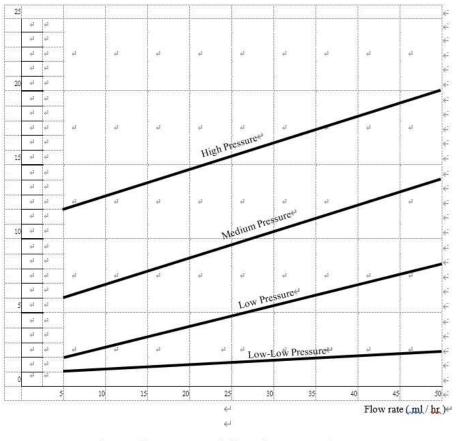
6.Polypropylene needle guard prevents complete penetration of the valve by needles. 7.Slicone elastomer dome is injectable.

02512 0



	Low Low Pressure	Low pressure	Medium pressure	High pressure
Flow rate 5 ml / hr	1 cm / H <sub>2</sub> O	2 cm / H <sub>2</sub> O	6 cm / H <sub>2</sub> O	12 cm / H <sub>2</sub> O
Flow rate50 ml / hr	3 cm / H <sub>2</sub> O	8 cm / H <sub>2</sub> O	14 cm / H <sub>2</sub> O	20 cm / H <sub>2</sub> O
remark		•		

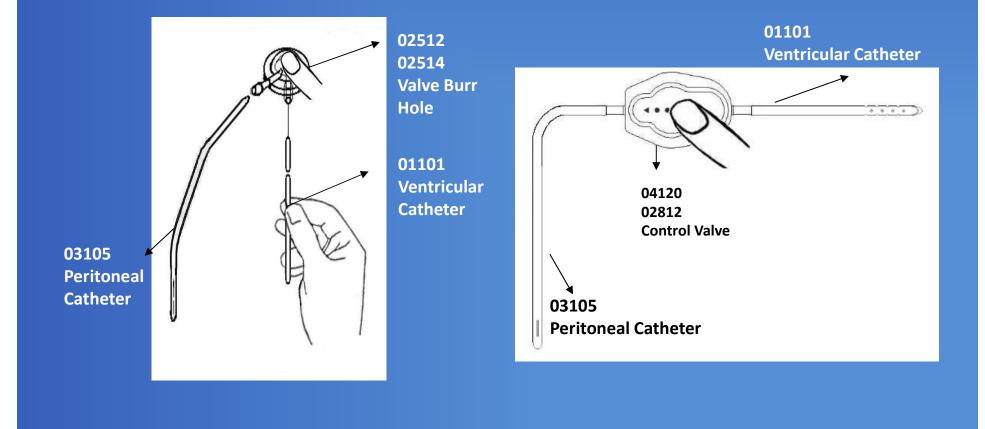
pressure∉



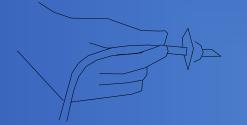
Pressure / Flow Characterics

Flow rate between 5~50 ml / hr , tolerance $\pm 2$ cm / H<sub>2</sub>O $\leftrightarrow$ 

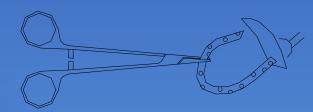
### BMI® Medical \_\_\_\_\_\_ Shunting System-Instructions for Use



#### **Bulb Drainage Instructions**



1.Starting with trocar inside wound, push trocar through to a separate exit site 2 to 5 cm from the wound.

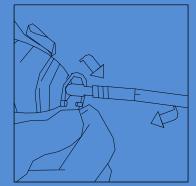


2.Cut catheter section with holes to needed wound length and insert into wound site. CAUTION: Make sure all drainage holes are contained tissue in order to maintain suction.

3.Cut off trocar, place slide clamp on catheter, and attach catheter to connector with a pushing and twisting motion CAUTION: Check tubing seals at all connecting points

4.Squeeze reservoir and close FLUSH port by inserting attached plug.

5.TO empty or reset, open FLUSH port, FLUSH contents into appropriate container, compress reservoir and reseal port. NOTE: For optimal drainage place the reservoir below wound site.



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