Strata® Family of Adjustable Valves

INNOVATIVE TECHNOLOGY FOR HYDROCEPHALUS

PS Medical® Strata® Adjustable Pressure Valves enable simple, non-invasive adjustment that doesn’t require x-ray confirmation and may reduce the need for revisions. The Strata valves are available in a wide range of configurations, providing convenience and flexibility for managing your hydrocephalus patients.

We offer the Strata Adjustable Valves, the Strata NSC Adjustable Valves, and the Strata NSC Lumboperitoneal Shunt Kit.

- Allows simple, non-invasive performance level adjustments in the physician’s office
- Easy for clinicians
- Requires no x-ray verification or confirmation
- May decrease the need for revisions, reducing patient trauma and cost

- Latex-free
- Lifetime limited warranty
- MRI-safe to 3.0 Tesla
- Designed to minimize the risk of inadvertent changes with technology that stabilizes the performance level settings

- Multiple valve sizes and shunt configurations
- Injectable reservoir dome
- Distal and proximal occluders for selective flushing
- Strata valves with a Delta Chamber are designed to help maintain the equilibrium of CSF pressure, regardless of patient’s body posture or flow control needs
Strata® Adjustment Systems

In the office or exam room, physicians can easily adjust and verify the pressure setting on a patient’s Strata Adjustable Shunt with the Strata Adjustment Tools or the StrataVarius® Adjustment System. Both devices are small enough to fit into a coat pocket and do not require an outside power source. These systems have proven accurate enough in verification that they do not require further confirmation via x-ray, unlike some of the other adjustment systems on the market.4

**Strata® Adjustment Tools**
- Locator Tool, Indicator Tool, Adjustment Tool

**StrataVarius® Adjustment System**
- Handheld adjustment tool for left- or right-hand use
- Built-in adjustment magnet and LCD readout screen
- Portal for valve palpation and magnetic valve adjustment
- Provides numeric interpretation (mm H2O) of the valve’s performance level setting with included Smart Card
- Powered by two AA batteries

Examples of readouts from the handheld StrataVarius® Adjustment System

Valve location and centering
Performance level verification

ORDERING INFORMATION
- **StrataVarius® Adjustment System**
  REF No. 45806
- **Strata® Adjustment Tools**
  REF No. 45805
Strata® Adjustable Pressure Valves

WITH SIPHON CONTROL

These adjustable pressure valves include overdrainage protection and a patented adjustable valve mechanism that enables non-invasive performance level adjustments using our handheld adjustment tools. The patented Delta® Chamber siphon-control device is a normally closed mechanism that opens in response to positive ventricular pressure, but remains closed in response to negative distal pressure.
Strata® NSC Adjustable Pressure Valves
WITH NO SIPHON CONTROL

These adjustable pressure valves include a patented adjustable valve mechanism that enables non-invasive performance level adjustments using our handheld adjustment tools.

ORDERING INFORMATION

Strata NSC Valve, Regular
REF No. 42365
92365 w/ BioGlide®

Strata NSC Valve, Small
REF No. 42355
92355 w/ BioGlide®

Strata NSC Burr Hole Valve
REF No. 42335

Strata NSC Valve, Small w/ Integral Peritoneal Catheter
REF No. Peritoneal Length
46655 120 cm
96655 90 cm w/ BioGlide

Strata NSC Burr Hole Valve w/ Integral Peritoneal Catheter
REF No. Peritoneal Length
46635 120 cm
Strata® NSC Adjustable LP Shunt Kit
FOR COMMUNICATING HYDROCEPHALUS

The Strata® NSC LP Valve is sized for subcutaneous placement in a lumboperitoneal (LP) shunt. It features an integral lumbar connector and strain relief for easy, non-kinking attachment of the proximal lumbar catheter. The peritoneal catheter includes a small (0.7 mm) inner lumen to preserve distal shunt resistance, as well as a radiopaque inner core and translucent wall to minimize tissue contact with barium.

- Integral Inlet Lumbar Connector
- Reservoir
- Occluder
- Integral Outlet Standard Connector
- Adjustable Valve Mechanism

Postoperative adjustment and verification of the Strata® NSC LP Valve requires the use of the StrataVarius® Adjustment System. Ref. No. 45806

ORDERING INFORMATION

Strata NSC LP Shunt Kit with Closed Tip Lumbar Catheter
REF No. 44420

Strata NSC LP Shunt Kit with Open Tip Lumbar Catheter
REF No. 44421

Strata NSC LP Shunt Kit with Closed Tip Lumbar Catheter and Integral Peritoneal Catheter, Small Lumen
REF No. 44430

Strata NSC LP Valve
REF No. 44465
References and Notes


3. The Strata valve has been tested to be “MRI-safe,” that is, exposure of the valve to 3 Tesla MRI will not damage the valve, but may change the valve pressure setting. Therefore, immediately after MRI exposure, the valve pressure setting needs to be checked by a neurosurgeon or attending physician.


For more information, contact your Medtronic NT sales representative or refer to www.medtronic.com.