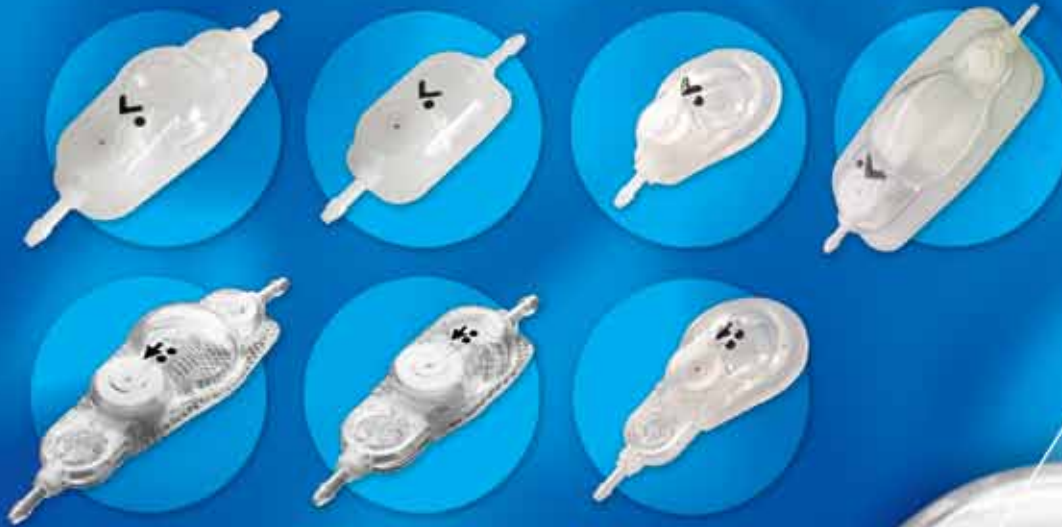




Strata[®] Family of Adjustable Valves

INNOVATIVE TECHNOLOGY FOR HYDROCEPHALUS



Simplicity. Quality. Convenience.

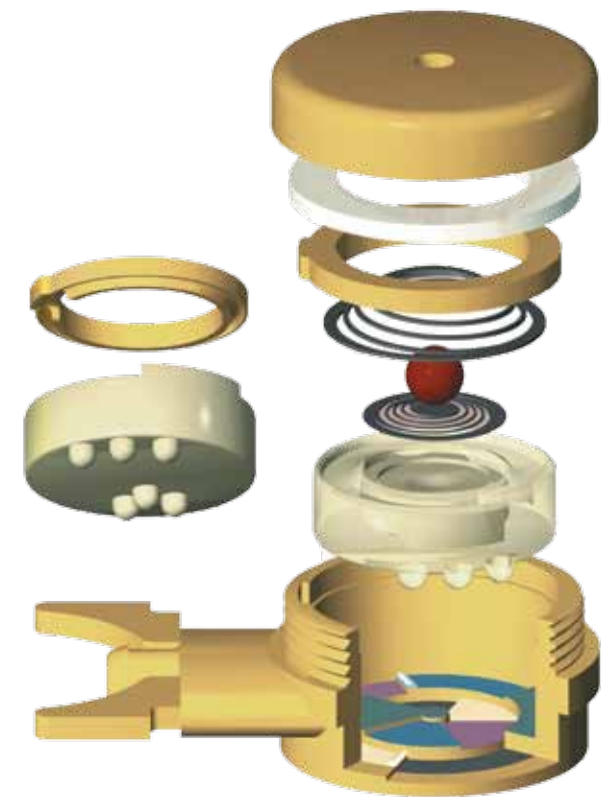
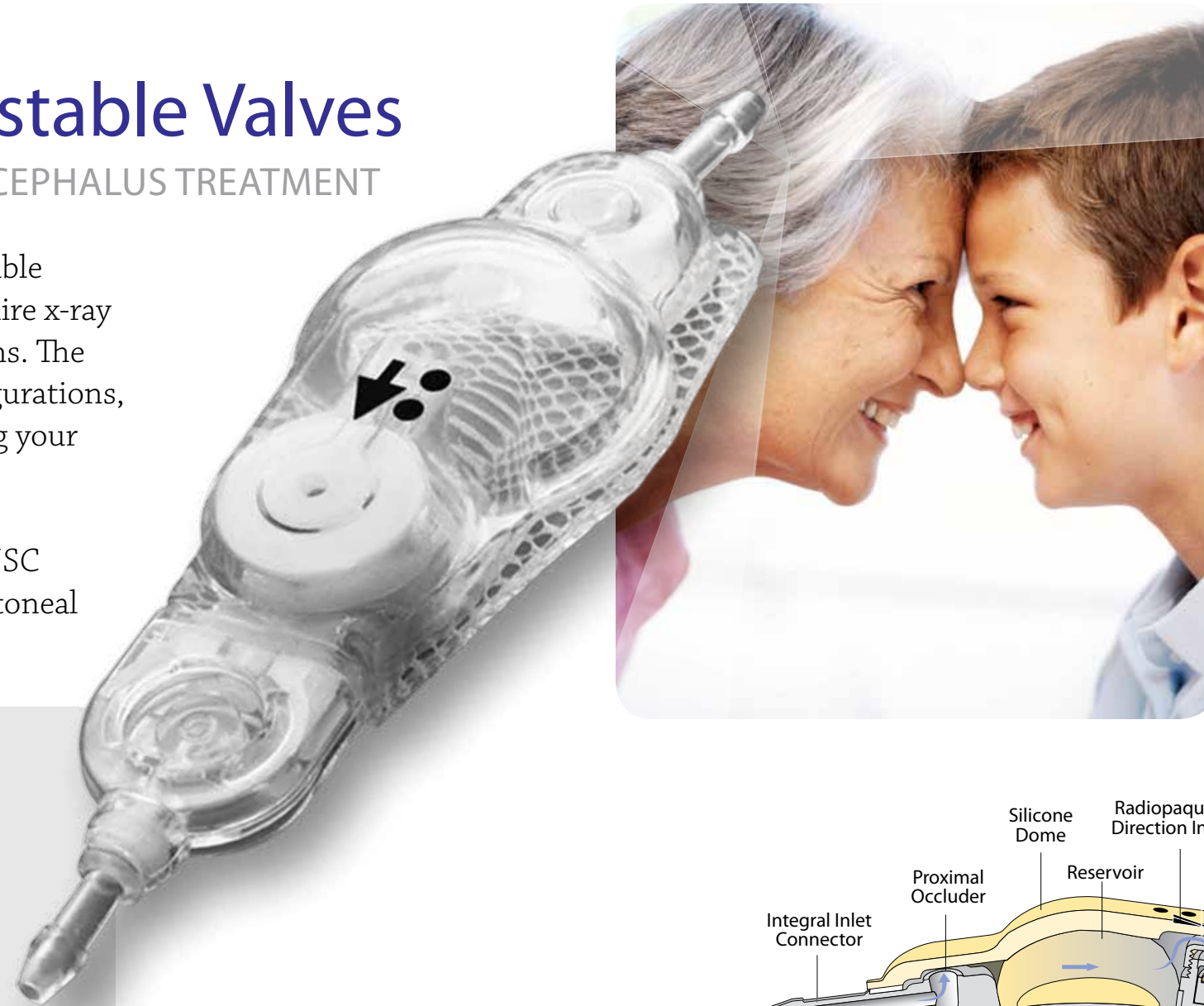
Strata® Family of Adjustable Valves

INNOVATIVE TECHNOLOGY FOR HYDROCEPHALUS TREATMENT

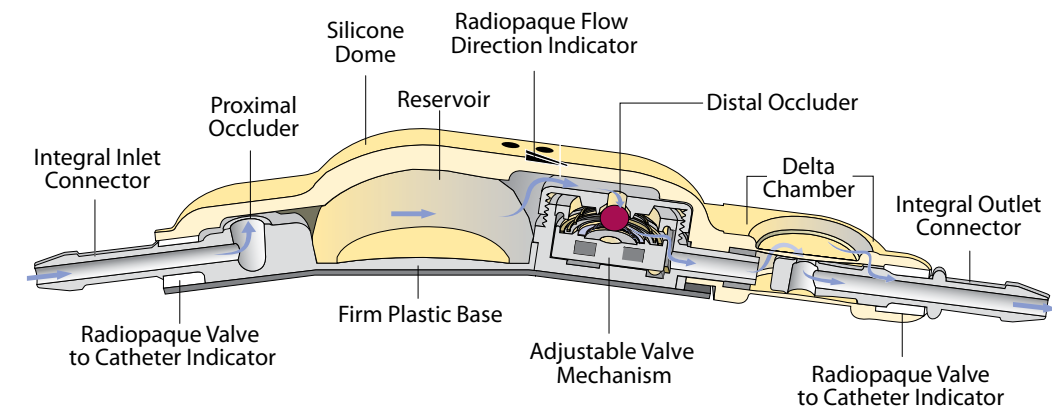
PS Medical® Strata® Adjustable Pressure Valves enable simple, non-invasive adjustment that doesn't require x-ray confirmation and may reduce the need for revisions. The Strata valves are available in a wide range of configurations, providing convenience and flexibility for managing your hydrocephalus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

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

- Strata Adjustable Valves
- Strata NSC
- Strata NSC LP



Valve Mechanism



Simplicity. Quality. Convenience.

- 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^{1,2}

- Latex-free
- Lifetime limited warranty
- MRI-safe to 3.0 Tesla³
- 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

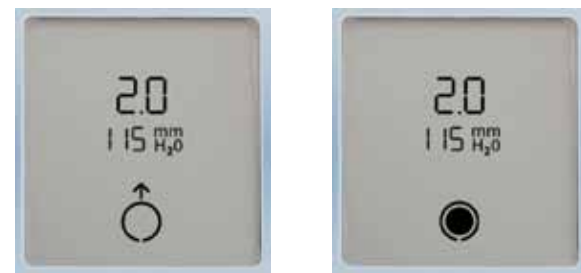
In the office or exam room, physicians can easily adjust and verify the pressure setting on a patient's Strata Adjustable Shunt with the Strata Adjustment Tools or the StrataVarius® Adjustment System. Both devices are small enough to fit into a coat pocket and do not require an outside power source. 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



Valve location and centering Performance level verification

Examples of readouts from the handheld StrataVarius® Adjustment System

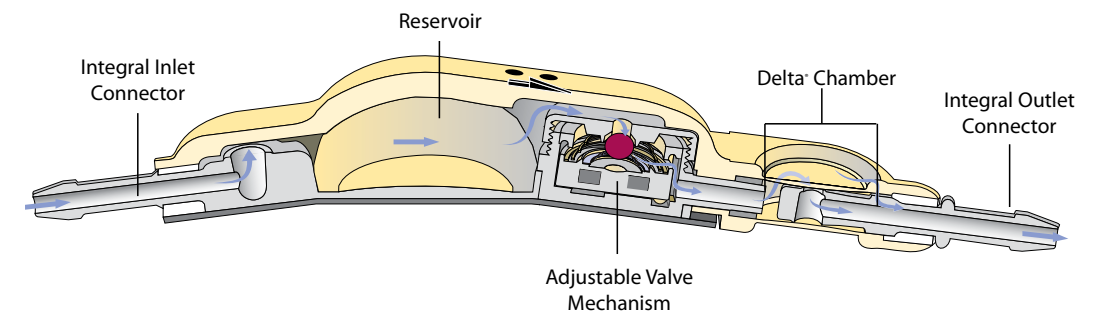
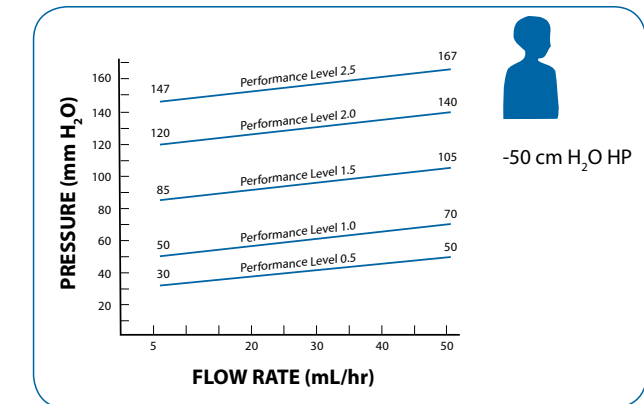
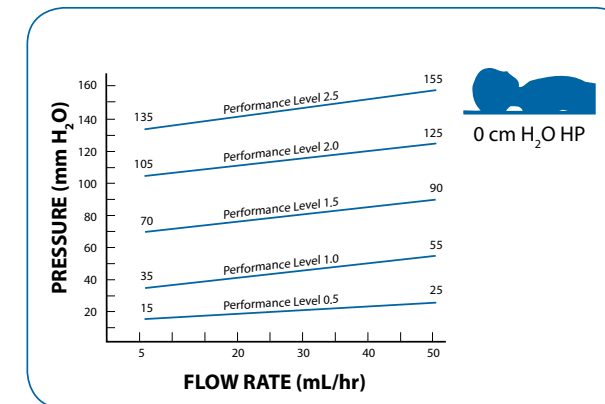


Handheld Strata® Tools Adjustment System

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.



ORDERING INFORMATION

StrataVarius® Adjustment System
REF No. 45806

Strata® Adjustment Tools
REF No. 45805

ORDERING INFORMATION

Strata® II Valve, Regular
REF No. 42866
92866 w/ BioGlide®
Hydrophilic
Surface Modification



Strata II Valve, Small
REF No. 42856
92856 w/ BioGlide



Strata Bur Hole Valve
REF No. 42836



Strata II Valve, Regular, w/ Integral Peritoneal Catheter
REF No. Peritoneal Length
46866 120 cm
27815 90 cm
27819 90 cm with BioGlide



Strata II Valve, Small, w/ Integral Peritoneal Catheter
REF No. Peritoneal Length
46856 120 cm
27814 90 cm
27818 90 cm w/ BioGlide



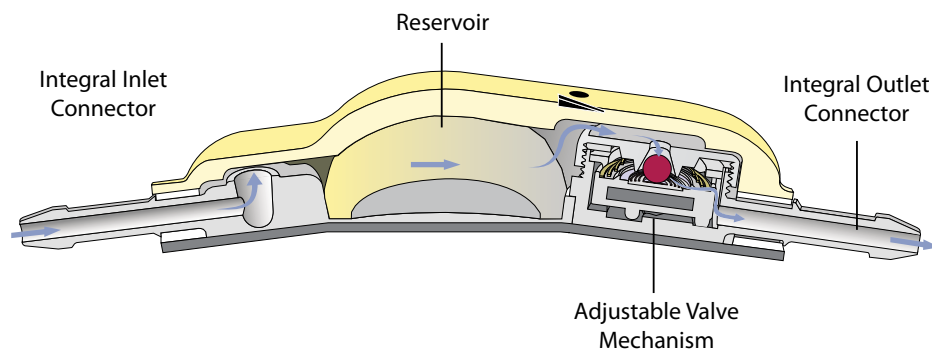
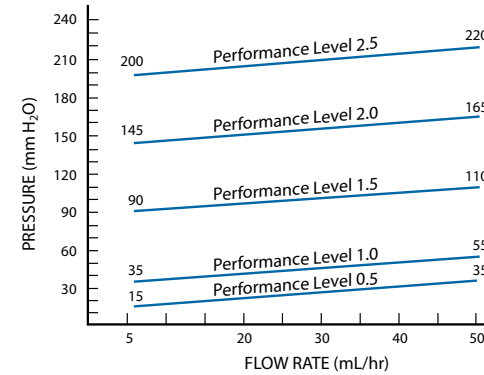
Strata Bur Hole Valve w/ Integral Peritoneal Catheter
REF No. Peritoneal Length
46836 120 cm



Strata® NSC Adjustable Pressure Valves

WITH NO SIPHON CONTROL

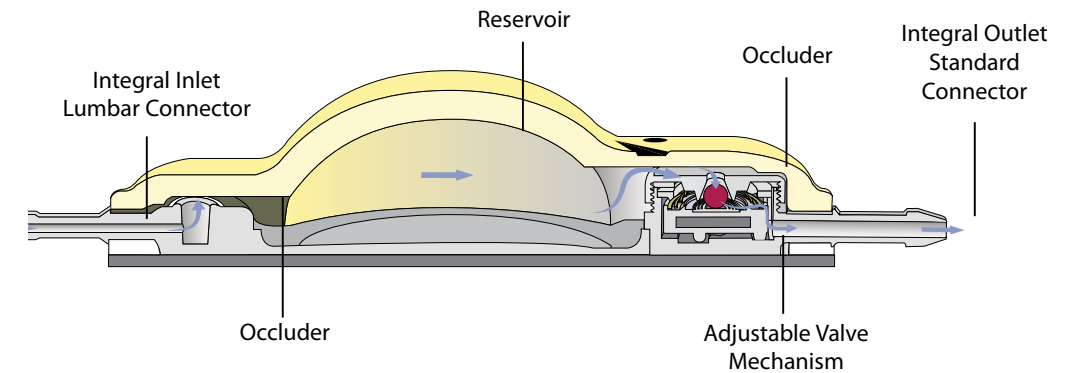
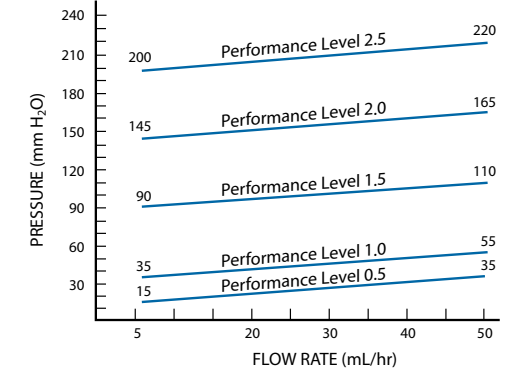
These adjustable pressure valves include a patented adjustable valve mechanism that enables non-invasive performance level adjustments using our handheld adjustment tools.



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.



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 with BioGlide



Strata NSC Burr Hole Valve w/ Integral Peritoneal Catheter

REF No. Peritoneal Length
46635 120 cm



Strata NSC Valve, Regular w/ Integral Peritoneal Catheter

REF No. Peritoneal Length
46665 120 cm
96665 90 cm w/ BioGlide



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

1. Ahn ES, Bookland M, Carson BS, Weingart JD, Jallo GI. The Strata® programmable valve for shunt-dependent hydrocephalus: the pediatric experience at a single institution. *Child's Nerv Syst.* 2007 Mar;23(3):297-303.
2. Kondagrski C, Thompson D, Reynolds M, Hayward RD. Experience with the Strata valve in the management of shunt overdrainage. *J Neurosurg.* 2007 Feb;106(2 Suppl):95-102.
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.
4. FDA 510(k) Clearance K040943 and K04199.

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

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Czech Republic 420-296-579580
France 33-155-381-700
Germany 49-2159-8149 209
Greece 30-210-67-79-099
Hong Kong 852-2919-1312
Hungary 36-30-5052987
India 91-22-26836733
Israel 972-9-972-4400
Italy 39-02-24137-324
Japan 81-3-6430-2017
Korea 82-2-3404-3600
Lebanon 961-1-370-670
Luxembourg 32-2456-09-09
Netherlands 31-45-566-8800
Poland 48-22-4656900
Portugal 351-21-724-51-28
Russian Federation 7 495 580 73 77
South Africa 27 11 466-1820
Spain 34-91-625-05-40
Taiwan 886-2-2183-6000
UK 44-1923-205-168
USA 1-901-344-0645



Caution: Federal (USA) law restricts this device to sale by or on the order of a physician.
Refer to product package insert for instructions, warnings, precautions and complications.