

Valves

Product Information Guide



Your single project source from start to finish.



B | BRAUN
SHARING EXPERTISE

B. Braun OEM Division

One source. Many options.

For more than 30 years, B. Braun has been an industry leader in the design and production of valves for a variety of medical device and pharmaceutical applications. We offer dozens of existing options, and have the experience and capabilities to provide custom valves. We can also integrate a valve into a custom set, device or kit that meets your unique requirements. When you choose B. Braun, you choose a partner that provides you with one source for your valve and final product needs.

Needle-Free Valves

Valves in this series are accessed with any male Luer, such as a syringe or IV adapter. The male adapter opens the valve and allows bi-directional flow. The valve automatically closes when the male Luer is removed, preventing the back flow of fluids.

Suggested applications: For needle-free intermittent injection, aspiration, or infusion of fluids.

CARESITE®

Designed to reduce catheter occlusions while preventing healthcare workers from accidental needlestick injuries, the CARESITE needleless connector features a clear housing that provides complete visibility of the fluid path. The LuerGuide design makes connection quicker with less effort while reducing the potential for slippage and touch contamination.

ULTRASITE®

A capless needle-free valve with male and female Luer lock connections, the ULTRASITE valve is easily accessed with a syringe or male Luer connection. The unique positive displacement design helps prevent fluid from being drawn back when the Luer taper is removed.

SAFSITE®

With proven performance since 1989, this bi-directional valve offers a safe and simple method of needle-free access using any standard Luer taper. Prevents back flow.



Valves are just the beginning

In addition to our extensive valve line, B. Braun offers a variety of flow control products, including:

- Hemostatic Y-Connectors
- Hemostasis Valves
- Touhy Borst Adapters
- Stopcocks

Visit our website at www.bbraunoem.com, or contact a B. Braun representative for more details.

Low Pressure Valves

Engineered to prevent back flow into primary IV container during piggyback hookup or bolus injection, these one-way, low pressure check valves operate with gravity/flow pressure for optimal shut-off performance.

Suggested applications: Extension and primary administration sets.



Normally Closed Valves

Designed for the intermittent injection of fluids while preventing back flow, the normally closed one-way check valve opens automatically when pressure is applied. Standard, low and high pressure options available.

Suggested applications: IV sets, pump sets, central venous catheters, extension sets, winged infusion sets, intermittent injection.



Dual Check Valves

Dual functioning check valves provide a closed system for the transfer of fluids from one container to another. Standard and high crack pressure versions enable aspiration through one port and injection out of another port.

Suggested applications: Aspiration or transfer of fluids in a closed system. When added to a Multiple Additive Transfer Set, ideal for transferring fluid from a bulk source into smaller volumes.



Aspiration Valves

These normally closed dual check valves allow fluid to be withdrawn under syringe pressure through the male luer top port. Valve facilitates aspiration of fluids to an off-line container. Ensures flow in one direction.

Suggested applications: Use with a syringe for aspiration or transfer of aqueous solutions in small volumes.



TRAC™ Trumpet Valves

The TRAC valve manually opens a path for irrigation, then automatically closes when released. The locking version facilitates unattended continuous applications. Single-handed operation.

Suggested applications: Procedures involving immediate and direct flushing. Ideal for surgical applications.



In-Line Valves

In-line back check valves feature a normally open flow control disk, allowing flow in one direction while preventing back flow.

Suggested applications: IV lines, extension sets, and syringes to prevent back flow in fluid management systems.

B. Braun Valves

Dual Check Valves

Back pressure: 30 PSI of water
Crack pressure: Combined valves provide a crack pressure of 1 PSI (27 inches of water)
Maximum pressure: 30 PSI
Materials: Polycarbonate clear
2 silicone disks
Lipid Resistant
Components do not contain natural rubber



S5401086SN



S5401070SN



S5401087SN



S5400727SN

High Crack Pressure Dual Check Valves

Back pressure: 30 PSI of water
Crack pressure: Inlet Port - 1.5 to 5.0 PSI
Outlet Port - 8.5 to 22.0 PSI of water
Maximum pressure: 30 PSI
Materials: Body: Polycarbonate blue
Two Luer slips: Polycarbonate clear, 2 silicone disks
Lipid Resistant
Components do not contain natural rubber



S5401096SN



S5401097SN

Aspiration Valves

Back pressure: 20 PSI of water
Crack pressure: Combined valves open between 15-145 inches of water
Maximum pressure: 20 PSI
Material: Polycarbonate clear; 2 silicone disks
Lipid Resistant
Components do not contain natural rubber



S5402511SN



S5402512SN

In-Line Check Valves

Back pressure: 30 PSI of water
Crack pressure: Disk is normally open
Maximum pressure: 30 PSI of water
Materials: Body: ABS white; silicone disk
Flow Rate: Approx. 190 mL/ min. of water at 36 inch head height
Components do not contain natural rubber



S5402000N



S5402015LN



S5402020LN



S5402005N

Flow rate dependent on connected device.
Flow rates and pressures are approximate and are for reference only, not for specification. Some restrictions may apply.

Low Pressure Check Valves

Back pressure: 30 PSI of water
 Crack pressure: Disk is normally open
 Materials: Body: ABS; polyisoprene disk
 Flow Rate: Approx. 420 mL/ min. at 1 meter head height
 Low Back Pressure: 6.75 inches of water maximum to reseal
 High Back Pressure: 30 PSI of water
 Components do not contain natural rubber



S5402700N



S5401008N

Large Bore Low Pressure Normally Closed Valves

Back pressure: 30 PSI of water
 Crack pressure: 22 inches of water maximum
 Materials:
 Top: ABS blue
 Bottom: ABS clear; silicone disk
 Flow Rate: Approx. 450 mL/ min. at 1 meter head height
 Components do not contain natural rubber



S5401200N



S5401205N

Normally Closed Check Valves

Back pressure: 45 PSI
 Crack pressure: 1.5 PSI
 Nominal Range: 1.5 to 5.0 PSI
 Material: Polycarbonate clear; silicone disk
 Flow Rate: Approx. 225 mL/ min. at 5 PSI
 Components do not contain natural rubber



S5401004SN
 Lipid Resistant



S5401016N
 Lipid Resistant



S5401019N
 Lipid Resistant



S5401020SN
 Lipid Resistant

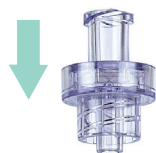
S5401072SN
 Lipid Resistant
 with cap and cover



S5400908N
 Material: Polyurethane clear
 Components do not contain BPA

Low Pressure Normally Closed Valves

Back pressure: 30 PSI of water
 Crack pressure: 7.5 in. of water or less (inlet port)
 Materials: Polycarbonate clear; silicone disk
 Flow Rate: Approx. 420 mL/ min. at 1 meter head height
 Low Back Pressure: 6.75 inches of water maximum to reseal
 High Back Pressure: 30 PSI of water
 Components do not contain natural rubber



S5401068SN



S5401071SN
 Option: ABS

High Pressure Normally Closed Valve

Back pressure: 400 PSI
 Crack pressure: 1.5 PSI to 5.0 PSI
 Maximum pressure: 400 PSI
 Material: Top: Polycarbonate blue
 Bottom: Polycarbonate clear; silicone disk
 Flow Rate: Approx. 225 mL/ min. at 5 PSI
 Lipid Resistant
 Components do not contain natural rubber



S5401033SN

Flow rate dependent on connected device.
 Flow rates and pressures are approximate and are for reference only, not for specification. Some restrictions may apply.

CARESITE®*

Needle-free Valve

Back pressure: 45 PSI of water
 Maximum pressure: 300 PSI
 Materials: Body: Polycarbonate clear
 Luer fitting: Polycarbonate clear
 Self-lube silicone elastomer piston
 Flow Rate: 148–208 mL/min. (9–12 L/hr)
 Negative Pressure: Opens at 634 mmHg
 Lipid Resistant
 Components do not contain natural rubber



S5403020N

* Limited availability. Please contact a B. Braun OEM representative for more information.

Normally Closed Manifolds

Material: Polycarbonate clear; two silicone disks
 Components do not contain natural rubber



S5401130S



S5401131S

Polycarbonate SPIN-LOCK® collar

Material: Polycarbonate clear; three silicone disks
 Components do not contain natural rubber



S5401140S



S5401141S

Polycarbonate SPIN-LOCK collar

Flow rate dependent on connected device.

Flow rates and pressures are approximate and are for reference only, not for specification. Some restrictions may apply.

SAFSITE®

Needle-free Valves

Back pressure: 45 PSI of water
 Materials: Body: Polycarbonate clear, silicone disk
 Valve Plunger: Polycarbonate blue
 Cap (when included): H. D. Polyethylene blue
 Flow Rate: Approx. 325 mL/min. at 1 meter head height
 Negative Pressure: 284 mmHg; valve opens automatically
 Lipid Resistant
 Components do not contain natural rubber



S5401014SN



S5401010SN



S5401036SN
 S5401027SN
 with cap



S5401113

S5401103N
 with cap



S5401118N
 with cap



S5401018
 Luer slip
 compatible



S5401013N
 Luer lock
 with cap



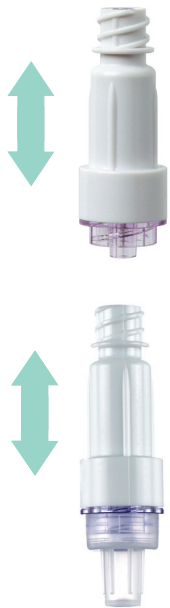
S5401109
 with cap



S5401108
 S5401057N
 with cap

ULTRASITE® Needle-free Valves

Back pressure: 45 PSI of water
Maximum pressure: 300 PSI
Materials: Body: Polycarbonate white
Luer fitting: Polycarbonate clear; Stainless steel spring
Flow Rate: 175-200 mL/min.
Negative Pressure: opens at 634 mmHg
Lipid Resistant
Components do not contain natural rubber



S5403040N



S5403050
with cover

S5403005N
Luer Slip compatible

S5403015N
Luer Slip compatible
with cover

Back pressure: 45 PSI of water
Maximum pressure: 45 PSI
Materials: Body: Polycarbonate white
Luer fitting: Polycarbonate clear
Stainless steel spring
Flow Rate: 175-200 mL/min.
Negative Pressure: Opens at 634 mmHg
Lipid Resistant
Components do not contain natural rubber



S5403001N

S5403006N
Luer Slip compatible

TRAC™ Valves



S5402597N

Back pressure: 30 PSI of water
Materials:
Body: Polycarbonate white
Plunger: Polycarbonate blue
Plunger Tip: Santoprene
Stainless Steel Spring
Flow Rate: Approx. > 48 mL/ min.
at 1 meter head of saline pressure
Force Required to Depress Button: < or equal to 3 pounds
Internal Hyrostatic Pressure: 30 PSI
Components do not contain natural rubber



S5402601N

Back pressure: 30 PSI of water
Materials:
Body: Polycarbonate white
Plunger: Polycarbonate white
Plunger Tip: Santoprene
Stainless Steel Spring
Flow Rate: Approx. > 48 mL/ min.
at 1 meter head of saline pressure
Force Required to Depress Button: < or equal to 3 pounds
Internal Hyrostatic Pressure: 30 PSI
Components do not contain natural rubber



S5402630N

Back pressure: 30 PSI of water
Materials:
Body: Polycarbonate clear
Plunger: Polycarbonate blue
Plunger Tip: Santoprene
Stainless Steel Spring
Flow Rate: Approx. > 48 mL/ min.
at 1 meter head of saline pressure
Force Required to Depress Button: < or equal to 3 pounds
Internal Hyrostatic Pressure: 30 PSI
Components do not contain natural rubber



S5402610N

Maximum pressure: 30 PSI
Materials:
Body: Polycarbonate white
Plunger: Polycarbonate white
Plunger Tip: Santoprene
Two seals: EPDM
Stainless Steel Spring
Flow Rate: Minimum flow channel of 0.150 inches allows
approximately 500 mL/min. at 1 meter head height of
0.9% saline pressure, Approx. > 48 nL/min.
at 1 meter head of saline pressure
Water Pressure: 30 PSI, static
Components do not contain natural rubber

Flow rate dependent on connected device.

Flow rates and pressures are approximate and are for reference only, not for specification. Some restrictions may apply.

Your Complete Outsourcing Partner

Your Source for Disposable Procedure Kits and Devices

As part of a 172-year-old company with over two dozen production sites worldwide, B. Braun OEM Division has the capabilities and expertise to turn your idea into a finished sterile product or kit. Our broad range of product experience covers a variety of applications and markets.

When you work with B. Braun, you have access to hundreds of existing options, which can help accelerate development time. Whether you're looking for a standard or modified product or a complete custom design, leverage our product expertise and complete capabilities to find a solution that meets your needs.

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- Quality and Regulatory
- Laboratory Services

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- Custom Kits
- Valves
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- Catheters
- Interventional

For more information, contact your B. Braun OEM Sales Representative, or call **866-8-BBRAUN**.



www.bbraunoem.com