



## Valves

### PRODUCT INFORMATION GUIDE

Your single project source  
from start to finish.

# 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 Luer 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 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.



## 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.



# 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](http://WWW.BBRAUNOEM.COM), OR CONTACT A B. BRAUN REPRESENTATIVE FOR MORE DETAILS.

## 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



## 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.

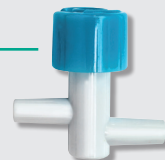
**SUGGESTED APPLICATIONS:**  
Aspiration or transfer of fluids for transferring fluid from a bulk source and into smaller volumes.



## 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 flushing.



## 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

*Not made with natural rubber latex*



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 - 9.0 TO 22.0 PSI

**MAXIMUM PRESSURE:** 30 PSI

**MATERIALS:** BODY: POLYCARBONATE BLUE  
 TWO LUER SLIPS: POLYCARBONATE CLEAR,  
 2 SILICONE DISKS

*Not made with natural rubber latex*



S5401096SN



S5401097SN



### 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:** 190 ML/ MIN. OF WATER AT  
 36 INCH HEAD HEIGHT

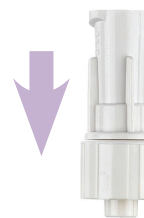
*Not made with natural rubber latex*



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S5402015LN



S5402020LN

## 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

*Not made with natural rubber latex*



## 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

*Not made with natural rubber latex*



## 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

*Not made with natural rubber latex*



## HIGH PRESSURE NORMALLY CLOSED VALVE

**BACK PRESSURE:** 400 PSI OF WATER

**CRACK PRESSURE:** 1.5 PSI TO 5.6 PSI

**MAXIMUM PRESSURE:** 400 PSI

**MATERIALS:** TOP: POLYCARBONATE BLUE  
BOTTOM: POLYCARBONATE CLEAR; SILICONE DISK

**FLOW RATE:**

APPROX. 225 ML/ MIN. AT 5 PSI

*Not made with natural rubber latex*



## NORMALLY CLOSED CHECK VALVES

**BACK PRESSURE:** 45 PSI OF WATER

**CRACK PRESSURE:** 1.5 PSI

**NOMINAL RANGE:** 1.5 TO 5.0 PSI

**MATERIALS:** POLYCARBONATE CLEAR TOP, POLYCARBONATE WHITE BOTTOM\*; SILICONE DISK

**FLOW RATE:**

APPROX. 225 ML/ MIN. AT 5 PSI

*Not made with natural rubber latex*





## CARESITE®\* NEEDLE-FREE VALVES

**BACK PRESSURE:** 8 PSI FOR 5 SECONDS (AIR), AND 45 PSI FOR 5 SECONDS (WATER)

**MAXIMUM PRESSURE:** 300 PSI, 350 PSI, AND 400 PSI OR GREATER FOR 10 SECONDS

### **MATERIALS:**

BODY: POLYCARBONATE CLEAR

LUER FITTING: POLYCARBONATE CLEAR

SELF-LUBE SILICONE ELASTOMER PISTON

**FLOW RATE:** 161-231 ML/MIN

**NEGATIVE PRESSURE:**

OPENS AT 634 MMHG

*Not made with natural rubber latex*



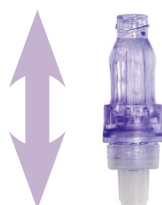
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\* Limited availability. Please contact a B. Braun OEM representative for more information.



S5403021N

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



S5403030N  
WITH CAP

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

## 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:** 400 ML/MIN

**NEGATIVE PRESSURE:** 284 MMHG;

VALVE OPENS AUTOMATICALLY

*Not made with natural rubber latex*



S5401014SN



S5401010SN



S5401036SN

S5401027SN  
WITH CAP



S5401118N  
WITH CAP



S5401109  
WITH CAP



S5401018  
LUER SLIP  
COMPATIBLE



S5401013N  
LUER LOCK  
WITH CAP



S5401108  
S5401057N  
WITH CAP

## ULTRASITE® NEEDLE-FREE VALVES

**BACK PRESSURE:** 45 PSI OF WATER

**MAXIMUM PRESSURE:** 300 PSI FOR 10 SECONDS (STRAIGHT VALVES) 10 PSI FOR 5 SECONDS (Y VALVES)

**MATERIALS:** BODY: POLYCARBONATE

WHITE LUER FITTING: POLYCARBONATE

CLEAR; STAINLESS STEEL SPRING

**FLOW RATE:** 175-200 ML/MIN.

**NEGATIVE PRESSURE:**

OPENS AT 634 MMHG

*Not made with natural rubber latex*



S5403040N  
S5403050N  
WITH COVER



S5403015N  
LUER SLIP  
COMPATIBLE  
WITH COVER



## TRAC™ VALVES

**BACK PRESSURE:** 30 PSI FOR 10 SECONDS

**MATERIALS:**

BODY: POLYCARBONATE BLUE OR 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 HYDROSTATIC PRESSURE:** 30 PSI

*Not made with natural rubber latex*



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S5402601N

## TRAC™ VALVES

**BACK PRESSURE:** 30 PSI FOR 10 SECONDS

**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

**INTERNAL HYDROSTATIC PRESSURE:** 30 PSI

*Not made with natural rubber latex*



S5402610N



YOUR SOURCE FOR DISPOSABLE  
PROCEDURE KITS AND DEVICES



## Your Complete Outsourcing Partner

### YOUR SOURCE FOR DISPOSABLE PROCEDURE KITS, DEVICES AND IV SOLUTIONS

As part of a 175+ 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.

#### SERVICES

- Project Management
- Design and Development
- Molding and Extrusion
- Assembly
- Printing and Packaging
- Sterilization
- Quality and Regulatory
- Laboratory Services

#### PRODUCTS

- Fluid Administration
- Custom Kits
- Valves
- Admixture
- Catheters
- Interventional
- IV / Irrigation Solutions
- Infusion Pumps
- Syringes
- Components

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