



NS6 SERIES

**NS6 Series** couplings feature non-spill valves at a great price. Use the NS6 when even a few drops of spillage pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically resistant and easy to use. The non-spill design virtually eliminates spills, minimizes downtime and enhances operator safety. Soft touch overmold makes them comfortable in the hand and very attractive.

Features	Benefits
Non-spill design	Disconnect under pressure with no spills
Color coding	Instant visual differentiation of media lines
Glass-filled polypropylene	Durable and compatible with many chemicals
Colder thumb latch	One-hand connection and disconnection

**Specifications**

**Pressure:**  
Vacuum to 120 psi, 8.3 bar (see graph)

**Temperature:**  
32°F to 160°F (0°C to 71°C) (see graph)

**Materials:**  
**Main components:**  
Glass-filled polypropylene with TPV\* soft touch overmold

**Thumb latch:** Glass-filled polypropylene

**Valve spring (wetted):** 316 stainless steel

**External spring:** 316 stainless steel

**O-rings:** EPDM

**Color:**  
Gray with dark gray overmold standard; gray with red or blue overmold available†

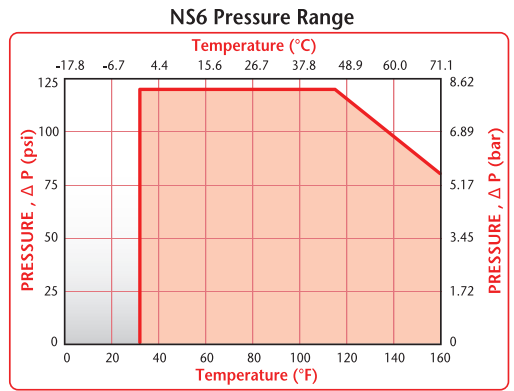
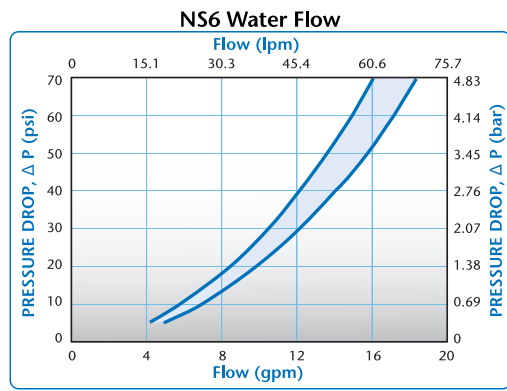
**Tubing Sizes:**  
3/8" to 1/2" ID, 9.5mm to 12.7mm ID

**Lubricants:** Krytox® PFPE (inert)

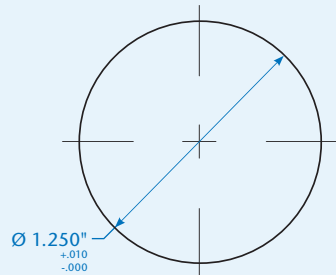
**Spillage:** ~0.03 cc/disconnect @ 0 psi, ~0.30 cc/disconnect @ 120 psi

\*The overmold material is known as TPV. (thermoplastic vulcanizate) This TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. The material is typically resistant to water, acids and bases.

†NOTE: Standard product is gray; color options require a set-up charge and minimum quantities. Please contact Colder for details.

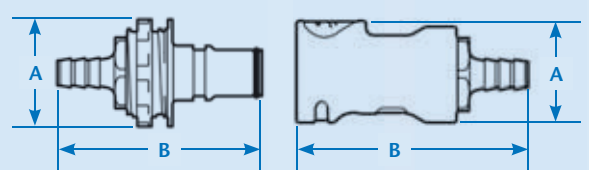


These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.



<b>COUPLING INSERTS</b>	<b>PANEL OPENING</b> see drawing	<b>MAX. PANEL THICKNESS</b> .25	<b>MIN. PANEL THICKNESS</b> .03
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### Product Dimensions



A = Height/Diameter    B = Total Length (including valve)

### Coupling Bodies

## POLYPROPYLENE

<b>TERMINATION</b> <i>IN-LINE</i> <i>PIPE THREAD</i>	<b>THREAD SIZE</b> 1/2" NPT 1/2" BSPT		<b>SHUTOFF</b> NS6D10008 NS6D10008BSPT	<b>A</b> 1.31 1.31	<b>B</b> 3.01 3.01
<b>TERMINATION</b> <i>IN-LINE</i> <i>COMPRESSION</i>	<b>TUBING SIZE</b> 1/2" OD	<b>METRIC EQ.</b> 12.7mm OD	<b>SHUTOFF</b> NS6D13008	<b>A</b> 1.31	<b>B</b> 3.53
<b>TERMINATION</b> <i>IN-LINE</i> <i>HOSE BARB</i>	<b>TUBING SIZE</b> 3/8" ID 1/2" ID	<b>METRIC EQ.</b> 9.5mm ID 12.7mm ID	<b>SHUTOFF</b> NS6D17006 NS6D17008	<b>A</b> 1.31 1.31	<b>B</b> 3.16 3.16



### Coupling Inserts

## POLYPROPYLENE

<b>TERMINATION</b> <i>IN-LINE</i> <i>PIPE THREAD</i>	<b>THREAD SIZE</b> 1/2" NPT 1/2" BSPT		<b>SHUTOFF</b> NS6D24008 NS6D24008BSPT	<b>A</b> 1.31 1.31	<b>B</b> 2.44 2.44
<b>TERMINATION</b> <i>IN-LINE</i> <i>COMPRESSION</i>	<b>TUBING SIZE</b> 1/2" OD	<b>METRIC EQ.</b> 12.7mm OD	<b>SHUTOFF</b> NS6D20008	<b>A</b> 1.31	<b>B</b> 3.01
<b>TERMINATION</b> <i>IN-LINE</i> <i>HOSE BARB</i>	<b>TUBING SIZE</b> 3/8" ID 1/2" ID	<b>METRIC EQ.</b> 9.5mm ID 12.7mm ID	<b>SHUTOFF</b> NS6D22006 NS6D22008	<b>A</b> 1.31 1.31	<b>B</b> 2.59 2.59
<b>TERMINATION</b> <i>PANEL MOUNT</i> <i>COMPRESSION</i>	<b>TUBING SIZE</b> 1/2" OD	<b>METRIC EQ.</b> 12.7mm OD	<b>SHUTOFF</b> NS6D40008	<b>A</b> 1.50	<b>B</b> 3.32
<b>TERMINATION</b> <i>PANEL MOUNT</i> <i>HOSE BARB</i>	<b>TUBING SIZE</b> 3/8" ID 1/2" ID	<b>METRIC EQ.</b> 9.5mm ID 12.7mm ID	<b>SHUTOFF</b> NS6D42006 NS6D42008	<b>A</b> 1.50 1.50	<b>B</b> 2.85 2.85



### Accessories

<b>PANEL MOUNT GASKET</b>	For sealing panel mount inserts listed above	<b>MATERIAL</b> EPDM FKM	<b>PART NO.</b> 1884300 1889600
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All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.