

# NS6 SERIES CONNECTOR

**NS6 Series couplings** 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 and minimizes downtime. Soft touch overmold makes them comfortable in the hand and very attractive.



## SPECIFICATIONS

### PRESSURE:

Vacuum to 120 psi, 8.3 bar

### TEMPERATURE:

32°F to 160°F (0°C to 71°C)

### MATERIALS:

#### Main components and valves:

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" and 1/2" ID, 9.5mm and 12.7mm ID

### LUBRICANTS:

Krytox® PFPE (inert)

### SPILLAGE:

~0.03 cc per disconnect @ 0 psi,

~0.30 cc/disconnect @ 120 psi

### INCLUSION:

0.42 cc per connect

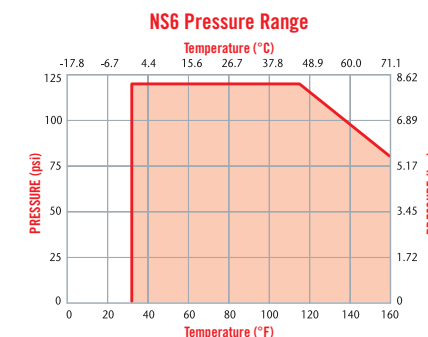
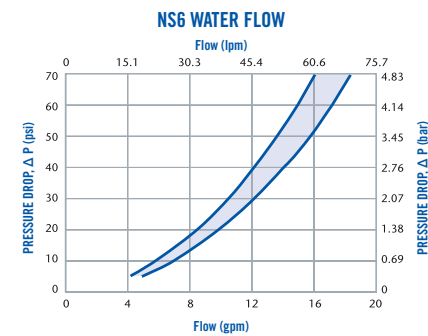
\*The overmold material is a TPV (thermoplastic vulcanizate). This TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. The material is typically resistant to water, acids and bases.

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

### FEATURES

- 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
- CPC thumb latch → One-hand connection and disconnection

### BENEFITS



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.



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## NS6 SERIES DIMENSIONS

### COUPLING BODIES - Polypropylene

TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE PIPE THREAD	1/2" NPT		NS6D10008	1.31 (33.3)	3.01 (76.5)
	1/2" BSPT		NS6D10008BSPT	1.31 (33.3)	3.01 (76.5)
IN-LINE COMPRESSION	1/2" OD	12.7mm OD	NS6D13008	1.31 (33.3)	3.53 (89.7)
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	NS6D17006	1.31 (33.3)	3.16 (80.3)
	1/2" ID	12.7mm ID	NS6D17008	1.31 (33.3)	3.16 (80.3)

### COUPLING INSERTS - Polypropylene

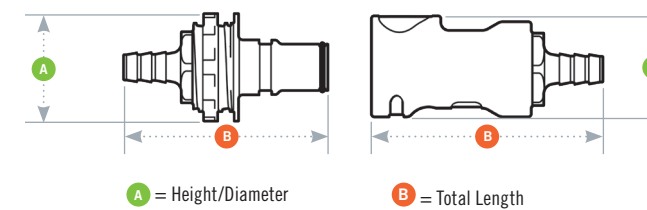
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE PIPE THREAD	1/2" NPT		NS6D24008	1.31 (33.3)	2.44 (62.0)
	1/2" BSPT		NS6D24008BSPT	1.31 (33.3)	2.44 (62.0)
IN-LINE COMPRESSION	1/2" OD	12.7mm OD	NS6D20008	1.31 (33.3)	3.01 (76.5)
IN-LINE HOSE BARB	3/8" ID	9.5mm ID	NS6D22006	1.31 (33.3)	2.59 (65.8)
	1/2" ID	12.7mm ID	NS6D22008	1.31 (33.3)	2.59 (65.8)
PANEL MOUNT COMPRESSION	1/2" OD	12.7mm OD	NS6D40008	1.50 (38.1)	3.32 (84.3)
PANEL MOUNT HOSE BARB	3/8" ID	9.5mm ID	NS6D42006	1.50 (38.1)	2.85 (72.4)
	1/2" ID	12.7mm ID	NS6D42008	1.50 (38.1)	2.85 (72.4)

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.

### ACCESSORIES

DESCRIPTION	MATERIAL	PART NO.
PANEL MOUNT GASKET REPLACEMENT: FOR SEALING PANEL MOUNT BODIES LISTED ABOVE	EPDM	1884300
	FKM	1889600

### PRODUCT DIMENSIONS



### PANEL DIMENSIONS

COUPLING INSERTS	PANEL OPENING	PANEL THICKNESS MAX.-MIN.
	see drawing	0.25 - 0.03

