

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.

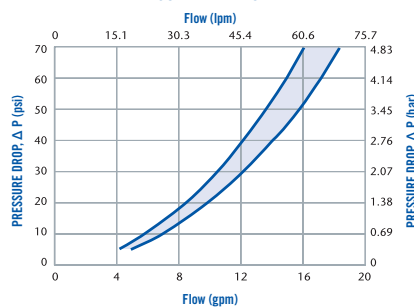
†NOTE: Standard product is gray; color options require a set-up charge and minimum quantities. Please contact CPC for details.

FEATURES

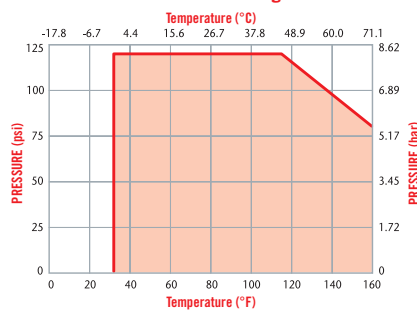
- Non-spill design → Disconnect under pressure with no spills
- Color coding → Instant visual differentiation of media lines
- Glass-filled polypropylene → Durable and compatible with many chemicals
- CPC thumb latch → One-hand connection and disconnection

BENEFITS

NS6 WATER FLOW



NS6 Pressure Range






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

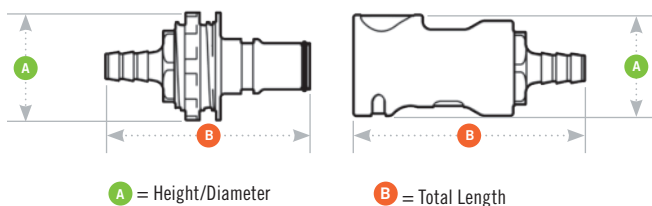
| TERMINATION | TUBING/THREAD SIZE | METRIC EQ. | SHUTOFF | A | B |
|--|--------------------|------------|---------------|-------------|-------------|
|  IN-LINE PIPE THREAD | 1/2" NPT | | NS6D24008 | 1.31 (33.3) | 2.44 (62.0) |
| | 1/2" BSPT | | NS6D24008BSPT | 1.31 (33.3) | 2.44 (62.0) |
|  IN-LINE 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

