

NS4 SERIES CONNECTOR

NS4 Series couplings feature non-spill valves in a compact size, at a great price. Use the NS4 when even a few drops pose problems regarding media cost or environmental regulations. These innovative couplings are lightweight, chemically resistant and easy to use. The non-spill design effectively eliminates spills and minimizes downtime. NS4 couplings are also available with optional RFID (Radio Frequency Identification) capability.



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* overmold

Thumb latch: Glass-filled polypropylene

Valve spring: 316 stainless steel

External spring: 316 stainless steel

O-rings: EPDM

COLOR:

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

TUBING SIZES:

1/8" to 3/8" ID, 3.2 mm to 9.5 mm ID

LUBRICANTS:

Krytox® PFPE (inert)

SPILLAGE:

<0.10 cc per disconnect at all rated pressures

INCLUSION:

0.26 cc per connect

WARNING: Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC's products in their own application conditions.

*The overmold material TPV (thermoplastic vulcanizate) is used with the NS4 polypropylene couplings. TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. TPV is typically resistant to water, acids and bases.

†NOTE: Standard product is gray; color options require a minimum quantity. Please contact CPC for details.

FEATURES

Non-spill design



BENEFITS

Disconnect under pressure with no spills

Color coding

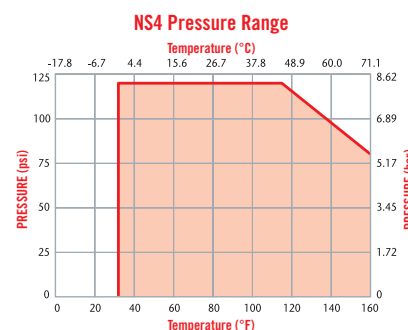
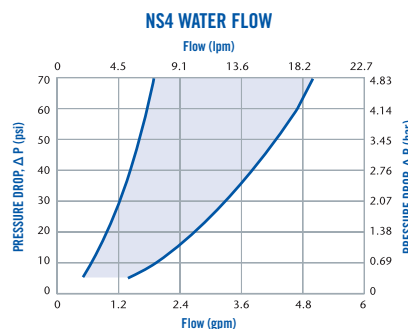


Instant visual differentiation of media lines

Glass-filled polypropylene



Durable and compatible with many chemicals



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.



cpcworldwide.com/NS4



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NS4 SERIES DIMENSIONS

COUPLING BODIES - Polypropylene/ABS



TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	POLYPROPYLENE SHUTOFF	A	B
IN-LINE PIPE THREAD	1/4" NPT		NS4D10004	1.05 (26.7)	2.31 (58.7)
	1/4" BSPT		NS4D10004BSPT	1.05 (26.7)	2.29 (58.2)
IN-LINE FERRULESS POLYTUBE FITTING, PTF†	1/4" OD, .17" ID	6.4 mm OD, 4.3 mm ID	NS4D13004	1.05 (26.7)	2.32 (58.9)
	3/8" OD, 1/4" ID	9.5 mm OD, 6.4 mm ID	NS4D13006	1.05 (26.7)	2.45 (62.2)
IN-LINE HOSE BARB	1/8" ID*	3.2 mm ID*	NS4D17002	1.05 (26.7)	2.09 (53.1)
	1/4" ID	6.4 mm ID	NS4D17004	1.05 (26.7)	2.34 (59.4)
	3/8" ID	9.5 mm ID	NS4D17006	1.05 (26.7)	2.34 (59.4)

COUPLING INSERTS - Polypropylene/ABS



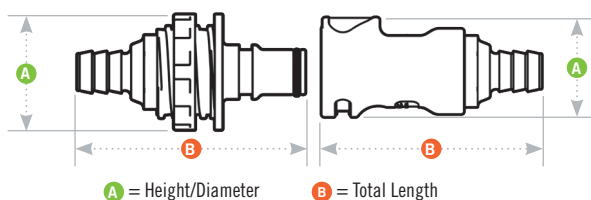
TERMINATION	TUBING/THREAD SIZE	METRIC EQ.	POLYPROPYLENE SHUTOFF	A	B
IN-LINE PIPE THREAD	1/4" NPT		NS4D24004	0.96 (24.4)	1.95 (49.5)
	1/4" BSPT		NS4D24004BSPT	0.96 (24.4)	1.95 (49.5)
IN-LINE FERRULESS POLYTUBE FITTING, PTF†	1/4" OD, .17" ID	6.4 mm OD, 4.3 mm ID	NS4D20004	0.96 (24.4)	1.95 (49.5)
	3/8" OD, 1/4" ID	9.5 mm OD, 6.4 mm ID	NS4D20006	0.96 (24.4)	2.09 (53.1)
IN-LINE HOSE BARB	1/8" ID*	3.2 mm ID*	NS4D22002	0.96 (24.4)	1.73 (43.9)
	1/4" ID	6.4 mm ID	NS4D22004	0.96 (24.4)	1.98 (50.3)
	3/8" ID	9.5 mm ID	NS4D22006	0.96 (24.4)	1.98 (50.3)
PANEL MOUNT FERRULESS POLYTUBE FITTING, PTF†	1/4" OD, .17" ID	6.4 mm OD, 4.3 mm ID	NS4D40004	1.17 (29.7)	2.3 (58.4)
	3/8" OD, 1/4" ID	9.5 mm OD, 6.4 mm ID	NS4D40006	1.17 (29.7)	2.3 (58.4)
PANEL MOUNT HOSE BARB	1/8" ID*	3.2 mm ID*	NS4D42002	1.17 (29.7)	2.07 (52.6)
	1/4" ID	6.4 mm ID	NS4D42004	1.17 (29.7)	2.32 (58.9)
	3/8" ID	9.5 mm ID	NS4D42006	1.17 (29.7)	2.32 (58.9)
PANEL MOUNT HOSE BARB ELBOW	1/4" ID	6.4 mm ID	NS4D43004	1.19 (30.2)	2.39 (60.7)
	3/8" ID	9.5 mm ID	NS4D43006	1.19 (30.2)	2.39 (60.7)
ELBOW HOSE BARB	1/4" ID	6.4 mm ID	NS4D23004	0.96 (24.4)	2.04 (51.8)
	3/8" ID	9.5 mm ID	NS4D23006	0.96 (24.4)	2.04 (51.8)

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. PTF fittings are designed for semi-rigid tubing, i.e., polyethylene, nylon, polyurethane, etc. †NOTE: CPC™ Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. *NOTE: 1/8" ID (3.2 mm) hose barb connection has a support shroud allowing a maximum tube OD of 1/4" (6.4 mm).

ACCESSORIES

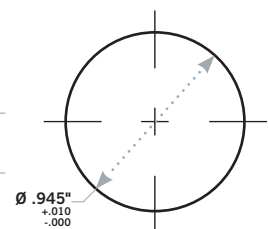
DESCRIPTION	MATERIAL	PART NO.
PANEL MOUNT GASKET REPLACEMENT: FOR SEALING PANEL MOUNT INSERTS LISTED ABOVE	EPDM	1879800

PRODUCT DIMENSIONS



PANEL DIMENSIONS

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



WARRANTY: All sales are subject to the Colder Products Company® limited express warranty set forth in the CPC catalog. Contact your local distributor or CPC Customer Service for warranty provisions.

Warning: Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of CPC. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

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