



**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 safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically resistant and easy to use. The non-spill design effectively eliminates spills, minimizes downtime and enhances operator safety.

## FEATURES

Non-spill design

Color coding

Glass-filled polypropylene

Medical-grade ABS

## BENEFITS

Disconnect under pressure with no spills

Instant visual differentiation of media lines

Durable and compatible with many chemicals

Gamma sterilizable

## 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, ABS with TPE\* soft-touch overmold

**Thumb latch:** Glass-filled polypropylene, ABS

**Valve Spring:** 316 stainless steel

**O-rings:** EPDM

### COLOR:

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

**ABS:** White with teal overmold

### TUBING SIZES:

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

**LUBRICANTS:** Krytox® PFPE (inert)

### SPILLAGE:

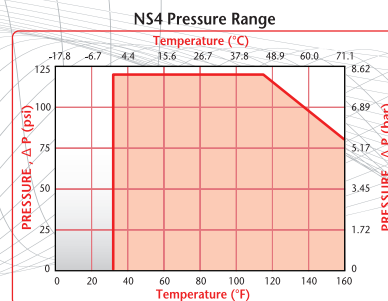
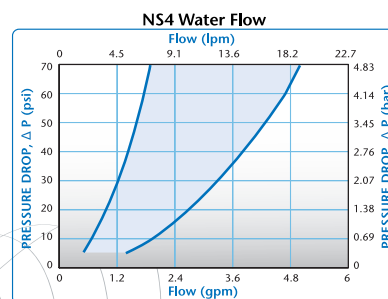
<0.10 cc per disconnect at all rated pressures

**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. The overmold material TPE (thermoplastic elastomer) is used with the NS4 ABS couplings. TPE is a blend of additives and copolymers in a special formulation that forms extremely durable bonds to the ABS substrate, while offering the traditional properties of soft-touch overmold.*

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

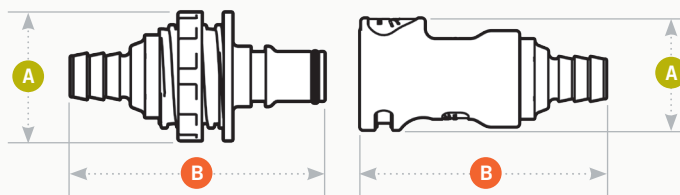
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NS4 SERIES CONNECTOR

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's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. **\*NOTE:** Patented 1/8" ID (3.2mm) hose barb connection has a support shroud allowing a maximum tube OD of 1/4" (6.4mm).

## Product Dimensions

A = HEIGHT/DIAMETER  
B = TOTAL LENGTH



## Coupling Bodies • POLYPROPYLENE / ABS



TERMINATION	THREAD SIZE	METRIC EQ.	POLYPROPYLENE SHUTOFF	ABS SHUTOFF	A	B
IN-LINE	1/4" NPT		NS4D10004	NS4D1000406	1.05	2.31
PIPE THREAD	1/4" BSPT		NS4D10004BSPT	NS4D10004BSPT06	1.05	2.29
IN-LINE	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	NS4D13004		1.05	2.32
FERRULELESS POLYTUBE FITTING, PTF†	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	NS4D13006	NS4D1300606	1.05	2.45
IN-LINE	1/8" ID*	3.2mm ID*	NS4D17002	NS4D1700206	1.05	2.09
HOSE BARB	1/4" ID	6.4mm ID	NS4D17004	NS4D1700406	1.05	2.34
	3/8" ID	9.5mm ID	NS4D17006	NS4D1700606	1.05	2.34

## Coupling Inserts • POLYPROPYLENE / ABS

ACCESSORIES: PANEL MOUNT GASKET FOR SEALING PANEL MOUNT INSERTS  
EPDM 1879800 I FKM 1889500



TERMINATION	THREAD SIZE	METRIC EQ.	POLYPROPYLENE SHUTOFF	ABS SHUTOFF	A	B
IN-LINE	1/4" NPT		NS4D24004	NS4D2400406	.96	1.95
PIPE THREAD	1/4" BSPT		NS4D24004BSPT	NS4D24004BSPT06	.96	1.95
IN-LINE	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	NS4D20004		.96	1.95
FERRULELESS POLYTUBE FITTING, PTF†	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	NS4D20006	NS4D2000606	.96	2.09
IN-LINE	1/8" ID*	3.2mm ID*	NS4D22002	NS4D2200206	.96	1.73
HOSE BARB	1/4" ID	6.4mm ID	NS4D22004	NS4D2200406	.96	1.98
	3/8" ID	9.5mm ID	NS4D22006	NS4D2200606	.96	1.98
PANEL MOUNT	1/4" OD, .17" ID	6.4mm OD, 4.3mm ID	NS4D40004		1.17	2.30
FERRULELESS POLYTUBE FITTING, PTF†	3/8" OD, 1/4" ID	9.5mm OD, 6.4mm ID	NS4D40006	NS4D4000606	1.17	2.43
PANEL MOUNT	1/8" ID*	3.2mm ID*	NS4D42002	NS4D4200206	1.17	2.07
HOSE BARB	1/4" ID	6.4mm ID	NS4D42004	NS4D4200406	1.17	2.32
	3/8" ID	9.5mm ID	NS4D42006	NS4D4200606	1.17	2.32
PANEL MOUNT	1/4" ID	6.4mm ID	NS4D43004		1.19	2.39
HOSE BARB ELBOW	3/8" ID	9.5mm ID	NS4D43006		1.19	2.39
ELBOW	1/4" ID	6.4mm ID	NS4D23004		0.96	2.04
HOSE BARB	3/8" ID	9.5mm ID	NS4D23006		0.96	2.04

## Coupling Reader • POLYPROPYLENE



TERMINATION	THREAD SIZE	METRIC EQ.	SHUTOFF
In-line	1/8" ID	3.2mm	iNS4DR2200200
Hose barb	1/4" ID	6.4mm	iNS4DR2200400
	3/8" ID	9.5mm	iNS4DR2200600

## Coupling Insert • POLYPROPYLENE



TERMINATION	THREAD SIZE	METRIC EQ.	SHUTOFF
In-line	1/8" ID	3.2mm	iNS4DR1700200
Hose barb	1/4" ID	6.4mm	iNS4DR1700400
	3/8" ID	9.5mm	iNS4DR1700600



Smart fluid handling to take you forward, faster.

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WARRANTY: All sales are subject to Colder Products Company's 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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