

NS212 SERIES



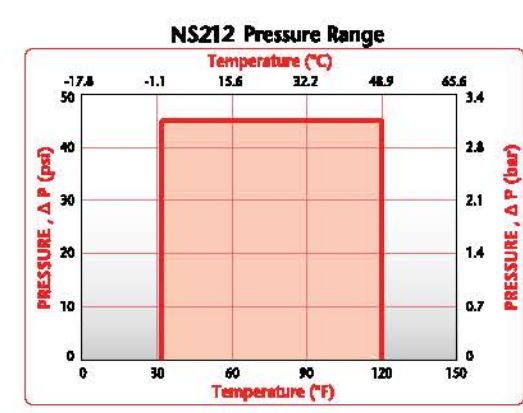
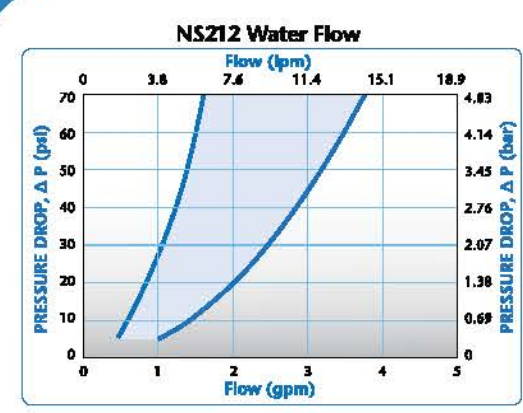
**NS212 Series couplings** were built on the company's proven platform of non-spill valves designed to provide fast, safe and virtually leak-free fluid line connections. The NS212 is an easy, twist-to-connect coupling with an integrated locking mechanism and double-sided non-spill shutoff valves. It is also chemically resistant and ideal for a diverse range of applications including printing and ink management, analytical instrumentation, electronic cooling and chemical handling. NS212 couplings provide high-flow fluid transfer in a small footprint.

**Features**

- Efficient, non-spill design
- Multiple seal materials
- Twist-to-connect locking
- Compact design
- Ultra low air inclusion

**Benefits**

- Disconnect under pressure with no spills
- Broad chemical compatibility for diverse applications
- Easy, non-spill connections in tight spaces
- High flow in a small connector
- Minimizes contaminants, reduces the need to purge lines



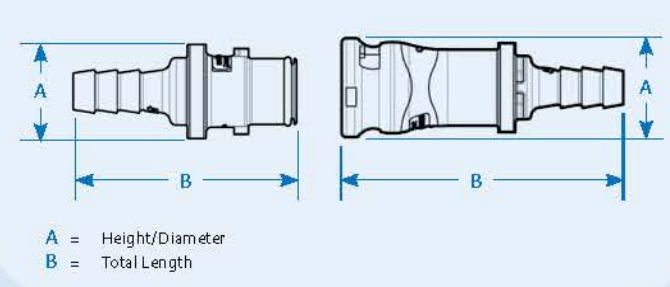
These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you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

**Specifications**

- Pressure:** Vacuum to 45 psi, 3.1 bar
- Temperature:** 32°F to 120°F (0°C to 49°C)
- Materials:**  
Main components and valves: Glass-filled polypropylene  
Valve spring: 316 stainless steel  
Seal material: EPDM (FKM/Simriz® FFKM optional)
- Color:** Gray with black accent standard
- Tubing Sizes:** 1/8" and 1/4" ID, 3.2mm and 6.4mm ID
- Spillage:** <0.025 cc/disconnect
- Inclusion:** 0.009 cc/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 Colder's products in their own application conditions.

*The new NS212 does not mate with the original NS2 parts. Contact Colder for additional compatibility information.*



**Product Dimensions**

PANEL OPENING see drawing	MAX. PANEL THICKNESS .30	MIN. PANEL THICKNESS .050
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**Coupling Bodies**

**POLYPROPYLENE**

TERMINATION	THREAD	METRIC EQ.	SHUTOFF	A	B
IN-LINE PIPE THREAD	1/8" NPT		NS2D100212	.71	1.74
IN-LINE FERRULESS POLYTUBE FITTING, PTF†	TUBING SIZE 1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	NS2D130412	.71	1.87
IN-LINE HOSE BARB	TUBING SIZE 1/8" ID 1/4" ID	3.2mm ID 6.4mm ID	NS2D170212 NS2D170412	.71 .71	1.87 2.05
PANEL MOUNT FERRULESS POLYTUBE FITTING, PTF†	TUBING SIZE 1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	NS2D120412	.88	1.87
PANEL MOUNT HOSE BARB	TUBING SIZE 1/8" ID 1/4" ID	3.2mm ID 6.4mm ID	NS2D160212 NS2D160412	.88 .88	1.79 2.05

**Coupling Inserts**

**POLYPROPYLENE**

TERMINATION	THREAD	METRIC EQ.	SHUTOFF	A	B
IN-LINE PIPE THREAD	1/8" NPT		NS2D240212	.64	1.27
IN-LINE FERRULESS POLYTUBE FITTING, PTF†	TUBING SIZE 1/4" OD, .17 ID	6.4mm OD, 4.3mm ID	NS2D200412	.64	1.39
IN-LINE HOSE BARB	TUBING SIZE 1/8" ID 1/4" ID	3.2mm ID 6.4mm ID	NS2D220212 NS2D220412	.64 .64	1.32 1.52

**Accessories**

PANEL MOUNT GASKET REPLACEMENT	For sealing panel mount bodies listed above	MATERIAL Buna-N	PART NO. 1830300
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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: Colder's Ferruleless PTF (polytube fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse.