



**NSH Series** couplings are general purpose versions of our pressure-balanced, non-spill, ChemQuik® CQG06 couplings. Molded polypropylene, EPDM seals and a 100% springless and metal-free flow path provide broad chemical resistance and exceptionally high flow capacity, allowing instant disconnects (and reconnects), even under pressure. Their non-spill design virtually eliminates spills, minimizes downtime and enhances operator safety in a very low cost package.

Features	Benefits
Non-spill design	Ultimate protection from chemicals and fumes
Pressure-balanced design	Failsafe disconnect, even under pressure; easy to reconnect at high pressure
Springless flow path design	Eliminates source of metallic contaminants
Optional color coding	Helps prevent accidental misconnects

## Specifications

- Pressure:** Vacuum to 120 psi, 8.3 bar

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- Temperature:**  
32°F to 120°F (0°C to 49°C)

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- Materials:**  
**Main components:** Glass-filled polypropylene  
**Thumb latch:** Glass-filled polypropylene  
**O-rings:** EPDM  
**Springs (non-wetted):** 316 stainless steel  
**Compression nuts:** White polypropylene

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- Color:**  
Gray with dark gray accent standard; red or blue thumb latch and insert tip available.

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- Tubing Sizes:**  
3/8" to 3/4" ID, 9.5mm to 19.0mm ID

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- Lubricants:** Krytox® PFPE (inert)

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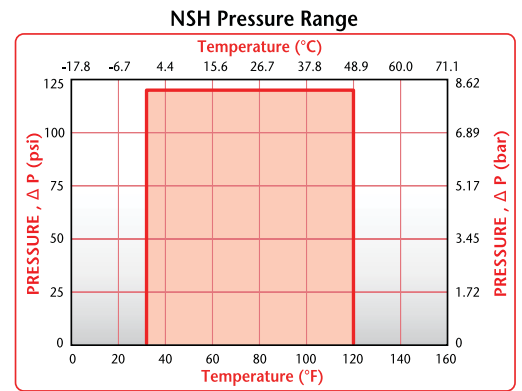
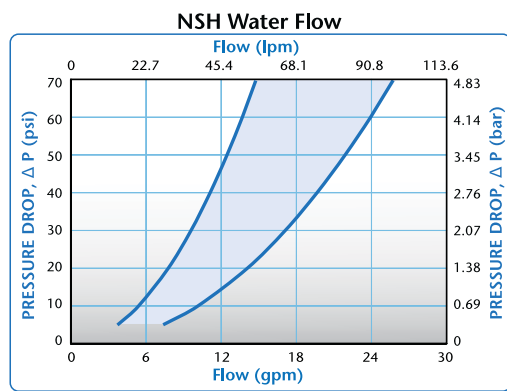
- Spillage:** <0.10 cc/disconnect (reconnect)  
**Inclusion:** 0.03 cc/connect

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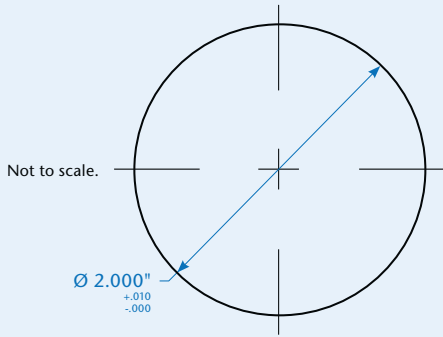
- Panel Mount:**  
Optional adaptor kit (see page 57)

Compatible with ChemQuik® Dual Containment System; DrumQuik® Universal Dispense System and Asian Drum Adaptors.

**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 products in their own application conditions. Use the graphs below as a guide.

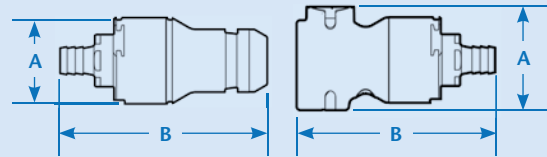


These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you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



	PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
<b>COUPLING BODIES OR INSERTS</b>	see drawing	.50	.12

## Product Dimensions



A = Height/Diameter  
B = Total Length

## Coupling Bodies

### POLYPROPYLENE

TERMINATION	THREAD SIZE	SHUTOFF	A	B	
<b>IN-LINE PIPE THREAD</b>	3/8" FEMALE NPT	NSHD19006	2.0	3.70	
	3/8" BSPT	NSHD10006BSPT	2.0	3.67	
	1/2" NPT	NSHD10008	2.0	3.81	
	3/4" NPT	NSHD10012	2.0	4.01	
TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
<b>IN-LINE COMPRESSION</b>	3/8" OD	9.5mm OD	NSHD13006	2.0	3.97
	1/2" OD	12.7mm OD	NSHD13008	2.0	4.10
TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
<b>IN-LINE HOSE BARB</b>	3/8" ID	9.5mm ID	NSHD17006	2.0	3.73
	1/2" ID	12.7mm ID	NSHD17008	2.0	3.73
	5/8" ID	15.9mm ID	NSHD17010	2.0	3.88
	3/4" ID	19.0mm ID	NSHD17012	2.0	3.88

## Coupling Inserts

### POLYPROPYLENE

TERMINATION	THREAD SIZE	SHUTOFF	A	B	
<b>IN-LINE PIPE THREAD</b>	3/8" FEMALE NPT	NSHD26006	1.64	3.87	
	3/8" BSPT	NSHD24006BSPT	1.64	3.84	
	1/2" NPT	NSHD24008	1.64	3.98	
	3/4" NPT	NSHD24012	1.64	3.98	
TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
<b>IN-LINE COMPRESSION</b>	3/8" OD	9.5mm OD	NSHD20006	1.64	4.14
	1/2" OD	12.7mm OD	NSHD20008	1.64	4.27
TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
<b>IN-LINE HOSE BARB</b>	3/8" ID	9.5mm ID	NSHD22006	1.64	3.90
	1/2" ID	12.7mm ID	NSHD22008	1.64	3.90
	5/8" ID	15.9mm ID	NSHD22010	1.64	4.05
	3/4" ID	19.0mm ID	NSHD22012	1.64	4.05

## Accessories

DESCRIPTION	PART NO.
Panel mount kit with panel seal Dust plug/cap for body or insert*	NSHPMKIT12 1800700 (not shown)



All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. \*Panel mount kit can be used with body for front mount or insert for front or rear mount.