



## NSH SERIES

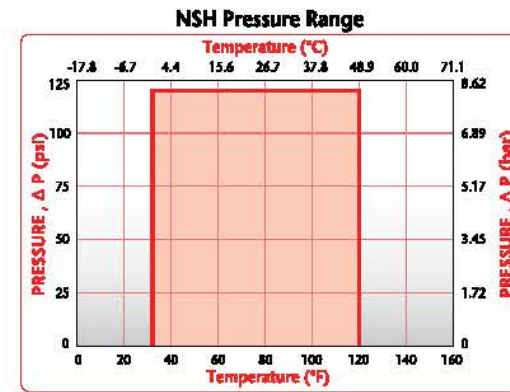
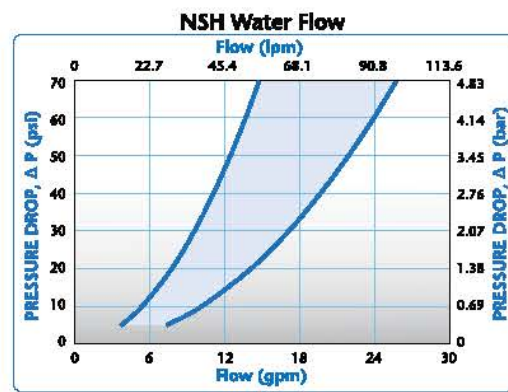
**NSH Series** couplings are general purpose versions of our pressure-balanced, non-spill, ChemQuik® CQG06 couplings. Molded polypropylene, EPDM seals and a 100% springless and metal-free flow path provide broad chemical resistance and exceptionally high flow capacity, allowing instant disconnects (and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

## Features

- Non-spill design
- Pressure-balanced design
- Springless flow path design
- Optional color coding

## Benefits

- Ultimate protection from chemicals and fumes
- Failsafe disconnect, even under pressure; easy to reconnect at high pressure
- Eliminates source of metallic contaminants
- Helps prevent accidental misconnects



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 120 psi, 8.3 bar

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

**Materials:**  
**Main components:** Glass-filled polypropylene

**Thumb latch:**  
Glass-filled polypropylene

**O-rings:** EPDM

**Springs (non-wetted):** 316 stainless steel

**Compression nuts:** White polypropylene

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

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

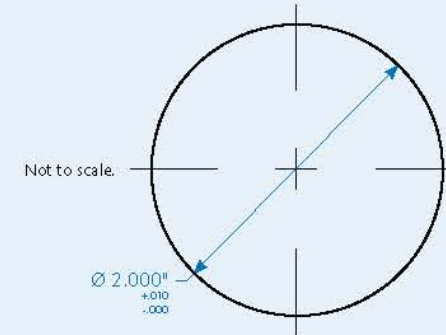
**Lubricants:** Krytox® PFPE (inert)

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

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

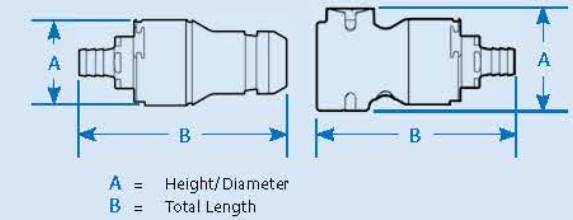
Compatible with ChemQuik® Dual Containment System; DrumQuik® Universal Dispense System and Asian Drum Adaptors.

**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.



	PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
COUPLING BODIES OR INSERTS	see drawing	.50	.12

## Product Dimensions



A = Height/Diameter  
B = Total Length

## Coupling Bodies

## POLYPROPYLENE

TERMINATION	THREAD SIZE	SHUTOFF	A	B
IN-LINE PIPE THREAD	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
IN-LINE COMPRESSION	3/8" OD	NSHD13006	2.0	3.97
	1/2" OD	NSHD13008	2.0	4.10
IN-LINE HOSE BARB	3/8" ID	NSHD17006	2.0	3.73
	1/2" ID	NSHD17008	2.0	3.73
	5/8" ID	NSHD17010	2.0	3.88
	3/4" ID	NSHD17012	2.0	3.88

## Coupling Inserts

## POLYPROPYLENE

TERMINATION	THREAD SIZE	SHUTOFF	A	B
IN-LINE PIPE THREAD	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
IN-LINE COMPRESSION	3/8" OD	NSHD20006	1.64	4.14
	1/2" OD	NSHD20008	1.64	4.27
IN-LINE HOSE BARB	3/8" ID	NSHD22006	1.64	3.90
	1/2" ID	NSHD22008	1.64	3.90
	5/8" ID	NSHD22010	1.64	4.05
	3/4" ID	NSHD22012	1.64	4.05

## Accessories

**DESCRIPTION**  
Panel mount kit with panel seal  
Dust plug/cap for body or insert\*

**PART NO.**  
NSH PMKIT12  
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.