

# Pneumatic Quick Couplings

## General Purpose

# IH Series

## Snap-tite Design

Manual Sleeve, Single Shut-off



A Pneumatics



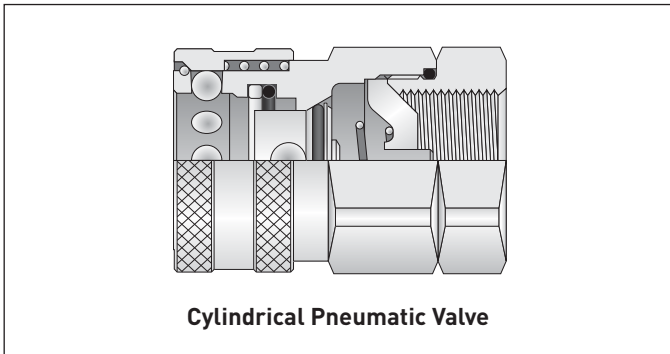
IH couplers are steel with a cylindrical valve designed specifically for pneumatic use. When paired with an unvalved/plain H Series nipple, it functions as a durable single shut-off connection. Standard seal is nitrile.

### Features:

- Sizes 1/4" - 3/4"
- Steel body material
- Standard seal material is nitrile with other options available
- Optional sleeve lock helps to prevent accidental disconnection
- Manually operated sleeve provides secure connection
- Coupler has 360° cylindrical valve contact

### Applications include:

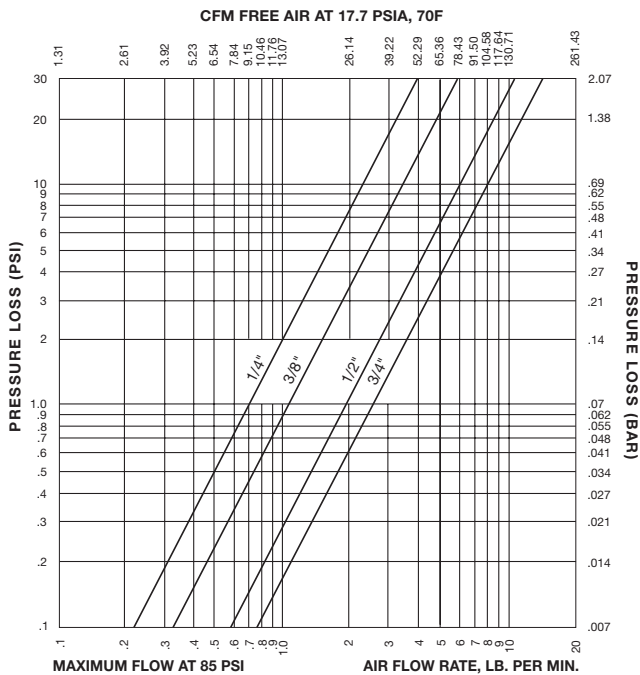
- Industrial air lines
- Pneumatic tools



IH Series Working Pressures (psi)				
Valved on coupler and unvalved nipple (Single Shut-off)				
Body Size	1/4	3/8	1/2	3/4
Steel	6500	4500	4000	3500

**NOTE:** Pressure ratings were established under static pressure conditions. Therefore, pressure ratings for any given flow, pressure surge and/or vibration may vary from these ratings. Burst pressures listed were taken at the point at which failure rendered the quick disconnect inoperative. (Proof pressure equals 1-1/2 times the working pressure; burst pressure equals 2 times working pressure.)

## Performance





**IH Series Couplers - Valved**



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats	Sleeve Lock
1/4	VIHC4-4F	1/4 -18 NPTF (female)	1.65	1.19	1.00	
1/4	VIHC4-4FSL	1/4 -18 NPTF (female)	1.65	1.19	1.00	Y
1/4	VIHC4-4M	1/4 -18 NPT (male)	2.09	1.02	0.88	
1/4	VIHC4-4MSL	1/4 -18 NPT (male)	2.09	1.02	0.88	Y
3/8	VIHC6-6F	3/8 -18 NPTF (female)	1.90	1.19	1.00	
3/8	VIHC6-6FSL	3/8 -18 NPTF (female)	1.90	1.19	1.00	Y
3/8	VIHC6-6M	3/8 -18 NPT (male)	2.19	1.19	1.00	
3/8	VIHC6-6MSL	3/8 -18 NPT (male)	2.19	1.19	1.00	Y
1/2	VIHC8-8F	1/2 -14 NPTF (female)	2.09	1.39	1.19	
3/4	VIHC12-12F	3/4 -14 NPTF (female)	2.42	1.73	1.50	

**H Series Nipples - Unvalved / Plain**



Body Size	Part No. Steel	Thread Size	Length	Largest Diameter	Wrench Flats
1/4	PHN4-4F	1/4 -18 NPTF (female)	1.32	0.73	0.88
1/4	PHN4-4M	1/4 -18 NPT (male)	0.78	0.65	0.56
3/8	PHN6-6F	3/8 -18 NPTF (female)	1.52	0.94	0.81
3/8	PHN6-6M	3/8 -18 NPT (male)	0.98	0.80	0.69
1/2	PHN8-8F	1/2 -14 NPTF (female)	1.72	1.15	1.00
1/2	PHN8-8M	1/2 -14 NPTF (male)	1.01	1.02	0.88
3/4	PHN12-12F	3/4 -14 NPT (female)	1.92	1.37	1.19
3/4	PHN12-12M	3/4 -14 NPT (male)	1.14	1.22	1.06