



How to Order - CH Series High Pressure Check Valves

Part Number Configuration



CH Series Check Valves

Connections	Size	Basic Part Number	Valve Size	A - in. (mm)	H (Hex) - in. (mm)
Fractional Tube Fittings	1/8	CH4-D2	CH4	2.27 (57.7)	11/16
Fractional Tube Fittings	1/4	CH4-D4	CH4	2.44 (62.0)	11/16
Fractional Tube Fittings	3/8	CH8-D6	CH8	2.75 (69.9)	1
Fractional Tube Fittings	1/2	CH8-D8	CH8	2.96 (75.2)	1
Fractional Tube Fittings	3/4	CH16-D12	CH16	3.53 (89.7)	1 3/4
Fractional Tube Fittings	1	CH16-D16	CH16	3.88 (98.6)	1 3/4
Metric Tube Fittings	6	CH4-DM6	CH4	2.44 (62.0)	11/16
Metric Tube Fittings	8	CH8-DM8	CH8	2.70 (68.6)	1
Metric Tube Fittings	10	CH8-DM10	CH8	2.75 (69.9)	1
Metric Tube Fittings	12	CH8-DM12	CH8	2.96 (75.2)	1
Female NPT	1/4	CH4-4PF	CH4	2.26 (57.4)	11/16
Female NPT	3/8	CH8-6PF	CH8	2.55 (67.8)	1
Female NPT	1/2	CH8-8PF	CH8	3.03 (77.0)	1 1/16
Female NPT	3/4	CH16-12PF	CH16	3.23 (82.0)	1 3/4
Female NPT	1	CH16-12PM	CH16	3.83 (97.3)	1 3/4
Female ISO Tapered	1/4	CH4-4FRT	CH4	2.38 (60.5)	11/16
Female ISO Tapered	3/8	CH8-6FRT	CH8	2.86 (72.6)	1
Female ISO Tapered	1/2	CH8-8FRT	CH8	3.29 (83.6)	1 1/6



Male NPT	1/8	CH4-2PM	CH4	1.9 (48.3)	11/16
Male NPT	1/4	CH4-4PM	CH4	2.17 (55.1)	11/16
Male NPT	3/8	CH8-6PM	CH8	2.36 (59.9)	1
Male NPT	1/2	CH8-8PM	CH8	2.73 (69.3)	1
Male NPT	3/4	CH16-12PM	CH16	3.23 (80.0)	1 3/4
Male NPT	1	CH16-16PM	CH16	3.67 (93.2)	1 3/4
Male ISO Tapered	1/4	CH4-4MRT	CH4	2.17 (55.1)	11/16
Male ISO Tapered	1/2	CH8-8MRT	CH8	2.73 (69.3)	1
Male/Female NPT	1/4	CH4-4PM4PF	CH4	2.26 (57.4)	11/16
Male/Female NPT	1/2	CH8-8PM8PF	CH8	2.89 (73.4)	11/16
Fractional Tube Fittings/Male NPT	3/8	CH8-D6PM6	CH8	2.56 (65.0)	1
Fractional Tube Fittings/Male NPT	1/2	CH8-D8PM8	CH8	2.74 (69.6)	1

Material Designator:

Stainless Steel - 316

Example: CH4-D4-1-316

CRACKING PRESSURE DESIGNATOR	
Cracking Pressure psig	Designator
1/3	1/3
1	1
5	5
10	10
25	25

O-Rings

FKM O-rings are the standard seal material on CH check valves. To order, nonstandard O-rings insert the designator from the table below into the valve part number. Example: CH4-D4-316-BU



MATERIAL	DESIGNATOR	TEMPERATURE RATING °F (°C)
FKM	Blank	0 to 400 (-17 to 204)
NITRILE	-NBR	-40 TO 250 (-40 TO 121)
LOW-TEMP NITRILE	-NBR3	-65 TO 275 (-53 TO 135)
ETHYLENE PROPYLENE	-EP	-50 TO 300 (-45 TO 148)
KALREZ	-KZ	-10 TO 400 (-23 TO 204)

Safety Locks

Safety locks prevent accidental coupling and uncoupling. They can be used as part of a plant's Lockout/Tagout program. Safety locks can be ordered for 1/4", 3/8", 1/2" and 3/4" bodies.