



## How to Order - CP / CPA Medium Pressure Check Valves

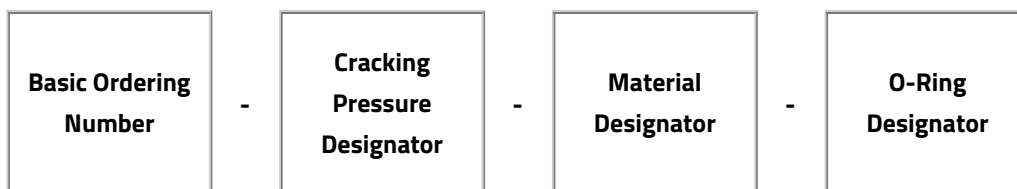
### Fixed Cracking Pressure, CP Series

End Connections Inlet/Outlet	End Connections Size	Basic Ordering Number	Series	Cv	Dimensions A, in. (mm)	Dimensions B, in. (mm)
Female NPT	1/4 in.	4CP4PF	4CP		2.41 (61.2)	3/4
Female NPT	1/2 in.	8CP8PF	8CP		3.71 (94.2)	1 1/16
Male NPT	1/4 in.	4CP4PM	4CP		1.62 (41.1)	9/16
Male NPT	1/2 in.	8CP8PM	8CP		2.28 (57.9)	7/8
Female/Male NPT	1/4 in.	4CP4PF4PM	4CP		2.29 (58.2)	3/4
Male/Female NPT	1/4 in.	4CP4PM4PF	4CP		1.75 (44.4)	3/4
Male/Female NPT	1/2 in.	8CP8PM8PF	8CP		2.83 (71.9)	1 1/16
Female ISO	1/4 in.	4CP4FRT	4CP		2.54 (64.5)	3/4
Male ISO	1/4 in.	4CP4MRT	4CP		1.62 (41.1)	9/16

### Adjustable Cracking Pressure, CPA Series

End Connections Inlet/Outlet	End Connections Size	Basic Ordering Number	Series	Cv	Dimensions A, in. (mm)	Dimensions B, in. (mm)
Female NPT	1/4 in.	4CPA4PF	4CPA		2.98 (75.7)	3/4
Male NPT	1/4 in.	4CPA4PM	4CPA		1.62 (41.1)	9/16
Male NPT	1/2 in.	8CPA8PM	8CPA		2.56 (65.0)	7/8
Male ISO	1/4 in.	4CPA4MRT	4CPA		1.62 (41.1)	9/16
Male ISO	1/2 in.	8CPA8MRT	8CPA		2.56 (65.0)	7/8

### Part Number Configuration





*Example: 4CP4PF-316-KZ (fixed cracking pressure, CP Series)*

*Example: 4CPA4PF-5-316-KZ (adjustable cracking pressure, CPA Series)*

<b>Cracking Pressure psi</b>	<b>Designator</b>
1/3	1/3
1	1
5	5
10	10
15	15
20	20
25	25
30	30
35	35
40	40
45	45
50	50
55	55
60	60
70	70
75	75
80	80
85	85
90	90
100	100



Material	Designator
<b>Valve Body</b>	
Stainless Steel	316
Brass	B
<b>O-Ring</b>	
*Viton™	V
**Buna N	BU
Ethylene Propylene	EP
Kalrez™	KZ

\*Viton™ O-ring comes standard on Stainless

\*\*Buna N O-ring comes standard on Brass

(no need to add designator to part number)

Cracking Pressure PSIG	Designator
3 to 50	3
50 to 150	50

## CP / CPA Series Medium Pressure Check Valves Accessories

### Deflector Caps

Deflector Caps are anodized aluminum machined caps which thread onto a ¼" or ½" male NPT check valve outlet. Defl ector caps are color-coded to Gas Association Standard EN 1089-3 which can be used to identify type of gas or hazard property, or the different colors can be used to identify system working pressure, valve cracking pressure, or other non-safety relief application. Deflector Caps are not to be used for code-rated relief applications.



Color	Condition	Order Code 1/4"	Order Code 1/2"
Bright Green	Inert	4CP-DC-GN	8CP-DC-GN
Red	Flammable	4CP-DC-RD	8CP-DC-RD
Maroon	Acetylene	4CP-DC-MR	8CP-DC-MR
Dark Green	Argon	4CP-DC-DG	8CP-DC-DG
Black	Nitrogen	4CP-DC-BK	8CP-DC-BK
Grey	Carbon Dioxide	4CP-DC-GY	8CP-DC-GY
Brown	Helium	4CP-DC-BN	8CP-DC-BN

## Field Modification Kits

Field Modification Kits are available to rebuild or change the cracking pressure of an existing Medium Pressure Check Valve (CP/CPA series only). This work should be done by a qualified valve repair or automation facility only. Field Modification Kits include work instructions for disassembly, replacing, and reassembly, and a replacement o-ring, spring, and label to apply over the factory-assigned part number indicating the new cracking pressure for the valve.

Configuration	Part Number	Description
4CP Non-Adjustable Spring Kits	4CPSK-1/3	Spring Kit 4CP 1/3#
	4CPSK-1	Spring Kit 4CP 1#
	4CPSK-5	Spring Kit 4CP 5#
	4CPSK-10	Spring Kit 4CP 10#
	4CPSK-20	Spring Kit 4CP 20#
	4CPSK-25	Spring Kit 4CP 25#
	4CPSK-30	Spring Kit 4CP 30#
	4CPSK-35	Spring Kit 4CP 35#
	4CPSK-40	Spring Kit 4CP 40#
	4CPSK-45	Spring Kit 4CP 45#
	4CPSK-50	Spring Kit 4CP 50#
	4CPSK-55	Spring Kit 4CP 55#
	4CPSK-60	Spring Kit 4CP 60#
	4CPSK-70	Spring Kit 4CP 70#
	4CPSK-75	Spring Kit 4CP 75#



	4CPSK-80	Spring Kit 4CP 80#
	4CPSK-85	Spring Kit 4CP 85#
	4CPSK-90	Spring Kit 4CP 90#
	4CPSK-100	Spring Kit 4CP 100#
4CPA Adjustable Spring Kits	4CPASK-3-50	Spring Kit 4CPA 3-50#
	4CPASK-50-150	Spring Kit 4CPA 50-150#
	4CPASK-150-350	Spring Kit 4CPA 150-350#
	4CPASK-350-600	Spring Kit 4CPA 350-600#

Configuration	Part Number	Description
8CP Non-Adjustable Spring Kits	8CPSK-1/3	Spring Kit 8CP 1/3#
	8CPSK-1	Spring Kit 8CP 1#
	8CPSK-5	Spring Kit 8CP 5#
	8CPSK-10	Spring Kit 8CP 10#
	8CPSK-20	Spring Kit 8CP 20#
	8CPSK-25	Spring Kit 8CP 25#
	8CPSK-30	Spring Kit 8CP 30#
	8CPSK-35	Spring Kit 8CP 35#
	8CPSK-40	Spring Kit 8CP 40#
	8CPSK-45	Spring Kit 8CP 45#
	8CPSK-50	Spring Kit 8CP 50#
	8CPSK-55	Spring Kit 8CP 55#
	8CPSK-60	Spring Kit 8CP 60#
	8CPSK-70	Spring Kit 8CP 70#



	8CPSK-75	Spring Kit 8CP 75#
	8CPSK-80	Spring Kit 8CP 80#
	8CPSK-85	Spring Kit 8CP 85#
	8CPSK-90	Spring Kit 8CP 90#
	8CPSK-100	Spring Kit 8CP 100#
8CPA Adjustable Spring Kits	8CPASK-3-50	Spring Kit 8CPA 3-50#
	8CPASK-50-150	Spring Kit 8CPA 50-150#
	8CPASK-150-350	Spring Kit 8CPA 150-350#
		Spring Kit 8CPA 350-600#