

- 1 Locate the basic part number for the fixed or adjustable cracking pressure valve with the required end connection type and size.  
*Example: CPA4-4PF*
- 2 Add designator the required cracking pressure. Example: CPA4-4PF-50.
- 3 Add the body material designator to the part number. CPA4-4PF-50-316
- 4 Standard O-ring material is FKM. For other materials add the designator. Example: CPA4-4PF-50-316-EP
- 5 Add additional options and accessories in alphabetical order. Example: CPA4-4PF-50-316-EP-XP98

(basic part number) (options)

**A** - **B** - **C** - **D** - **E**

CPA4-4PF 50 316 EP XP98



A

End Connections		Basic Ordering Number
Inlet / Outlet	Size	
Fixed Cracking Pressure, CP Series		
Female NPT	1/4 in.	4CP4PF
	1/2 in.	8CP8PF
Male NPT	1/4 in.	4CP4PM
	1/2 in.	8CP8PM
Female/Male NPT	1/4 in.	4CP4PF4PM
Male/Female NPT	1/4 in.	4CP4PM4PF
	1/2 in.	8CP8PM8PF
Female ISO	1/4 in.	4CP4FRT
Male ISO	1/4 in.	4CP4MRT
Adjustable Cracking Pressure, CPA Series		
Female NPT	1/4 in.	4CPA4PF
Male NPT	1/4 in.	4CPA4PM
	1/2 in.	8CPA8PM
Male ISO	1/4 in.	4CPA4MRT
	1/2 in.	8CPA8MRT

B	CP Series Cracking Pressure psi	Designator
	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
CPA Series		Designator
3 to 50		-3
50 to 150		-50
150 to 350		-150
350 to 600		-350

C	Material	Designator
	316 SS	Blank
	Alloy 400	-M
	Alloy C-276	-HC
	Brass	-B

D	Material	Designator
	FKM	Blank
	Nitrile	-NBR
	Low-Temperature Nitrile	-NBR3
	Ethylene Propylene	-EP
	Neoprene	-NE
	FFKM	-KZ

E	Description	Designator
	No Lube	-XP97
	ASTM 93 Compliant Cleaning	-XP98

### Sour Gas Service

Selecting valves for sour gas applications requires the consideration of several factors including the temperature, pH, partial pressure of H<sub>2</sub>S, and whether the application is above or below ground. SSP offers four configurations to meet the requirements in NACE MR0175/ISO 15156-3 and NACE MR0103. To order valves for your sour gas applications add the designator below to the part number.

*Example: CPA4-4PF-50-316-SG2*

Designator	Wetted Part <sup>1</sup>	Body
SG1	Annealed 316 SS except body <sup>2</sup>	316 SS
SG2	Annealed 316 SS	316 SS
SG3	Alloy 400/UNS S20910	Alloy 400
SG4	Alloy 400/UNS S20910	Alloy 400

<sup>1</sup>Springs or other components may require other materials for functionality.

<sup>2</sup>Compression fittings and valve bodies with compression fitting ports are exempt from lower hardness requirements per ANSI/NACE MR0175/ISO 15156 and NACE MR0103.