

Обратные клапаны CV1

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Брянск (4832)59-03-52
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Вологда (8172)26-41-59
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Ижевск (3412)26-03-58
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Киров (8332)68-02-04
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Красноярск (391)204-63-61
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Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

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Ярославль (4852)69-52-93

Features

- ❖ Maximum working pressure: 3000 psig (206 bar)
- ❖ Working temperature: -10°F to 400°F (-23°C to 204°C)
- ❖ Cracking pressure: 1/3 to 25 psig (0.02 to 1.7 bar)
- ❖ Variety of end connections and materials available

Cracking Pressure

Series	Nominal Cracking Pressure psig (bar)	Cracking Pressure Range psig (bar)
CV1	1/3 (0.02)	0 to 3 (0 to 0.21)
	1 (0.06)	0 to 4 (0 to 0.28)
	3 (0.21)	1 to 5 (0.06 to 0.34)
	10 (0.68)	7 to 15 (0.49 to 1.1)
	25 (1.7)	20 to 30 (1.4 to 2.1)

Pressure-Temperature Ratings

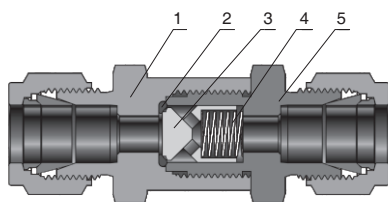
Ratings based on fluorocarbon FKM O-rings in 316 stainless steel valves and Buna N O-rings in brass valves.

Material	316 S.S.	Brass
Temperature, °F (°C)	Working Pressure, psig (bar)	
-10 (-23) to 100 (37)	3000 (206)	3000 (206)
200 (93)	2575 (177)	2600 (179)
250 (121)	2450 (168)	2405 (165)
300 (148)	2325 (160)	—
400 (204)	2185 (150)	—

Seal Materials

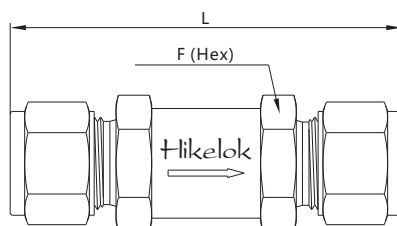
Seal Material	Temperature Range °F (°C)
Buna N	-10 to 250 (-23 to 121)
Ethylene propylene	-50 to 300 (-45 to 148)
Fluorocarbon FKM	-10 to 400 (-23 to 204)
Neoprene	-40 to 250 (-40 to 121)

Standard Materials of Construction



Component	Valve Material Grade/ASTM Specification	
	316 S.S.	Brass
1 Inlet Body	316 S.S./A479	Brass 360/B16
2 O-ring	Fluorocarbon FKM	Buna N
3 Poppet	316 S.S./A479	Brass 360/B16
4 Spring	302 S.S./A313	302 SS/A313
5 Outlet Body	316 S.S./A479	Brass 360/B16

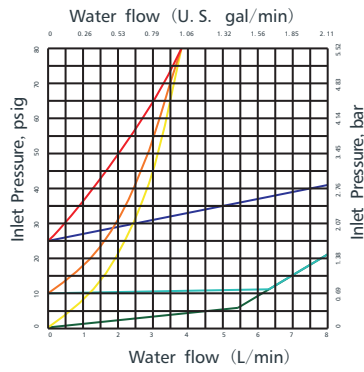
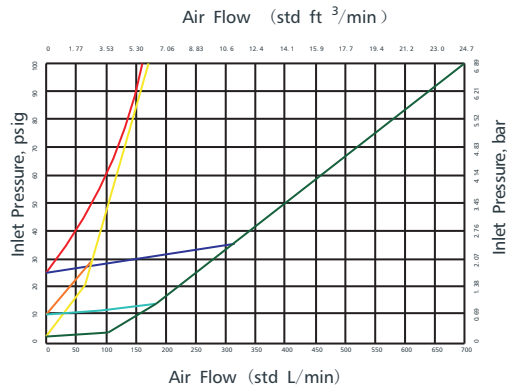
Dimensions



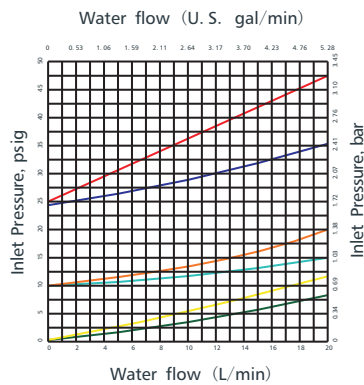
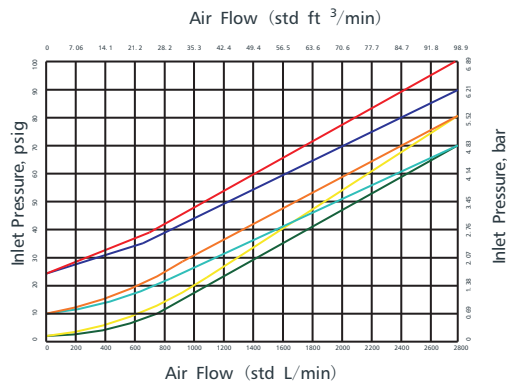
Basic Ordering Number	Connection Type and Size	CV	Dimension, in. (mm)	
			L	F
CV1-F2-	1/8" Hikelok	0.16	2.14 (54.3)	5/8 (15.88)
CV1-F4-	1/4" Hikelok	0.47	2.35 (59.7)	
CV1-F6-	3/8" Hikelok	1.47	3.17 (80.5)	7/8 (22.23)
CV1-F8-	1/2" Hikelok	1.68	3.42 (86.9)	
CV1-F12-	3/4" Hikelok	4.48	4.32 (110)	1 1/4 (31.75)
CV1-F16-	1" Hikelok		4.74 (120)	1 3/8 (34.93)
CV1-M6-	6 mm Hikelok	0.47	2.36 (59.9)	5/8 (15.88)
CV1-M10-	10 mm Hikelok	1.68	3.32 (84.3)	7/8 (22.23)
CV1-M12-	12 mm Hikelok		3.42 (86.9)	
CV1-FNPT2-	1/8 Female NPT	0.16	1.89 (48.0)	5/8 (15.88)
CV1-FNPT4-	1/4 Female NPT	0.47	2.15 (54.6)	3/4 (19.05)
CV1-FNPT6-	3/8 Female NPT	1.47	2.98 (75.7)	7/8 (22.23)
CV1-FNPT8-	1/2 Female NPT	1.68	3.58 (90.9)	1 1/16 (26.99)
CV1-FNPT12-	3/4 Female NPT	4.48	4.08 (104)	1 1/4 (31.75)
CV1-FNPT16-	1 Female NPT		4.84 (123)	1 5/8 (41.28)
CV1-NPT2-	1/8 Male NPT	0.16	1.71 (43.4)	5/8 (15.88)
CV1-NPT4-	1/4 Male NPT	0.47	2.09 (53.1)	
CV1-NPT6-	3/8 Male NPT	1.47	2.78 (70.6)	7/8 (22.23)
CV1-NPT8-	1/2 Male NPT	1.68	3.16 (80.3)	
CV1-NPT12-	3/4 Male NPT	4.48	4.08 (104)	1 1/4 (31.75)
CV1-NPT16-	1 Male NPT		4.52 (115)	1 5/8 (41.28)

Sizes and types listed does not contain all . Other sizes and types are available.

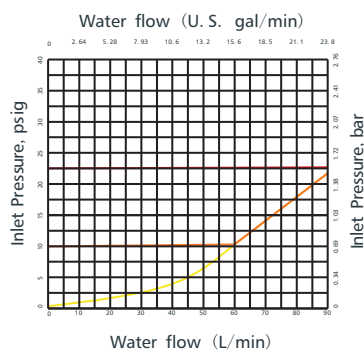
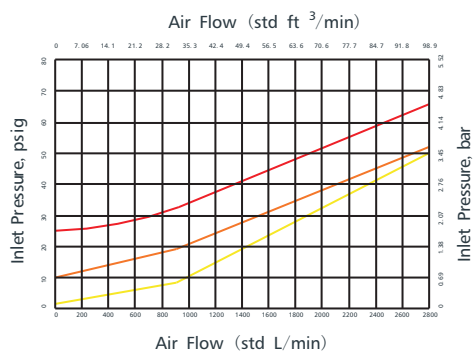
Flow Data at 70°F(20 °C)



- Cv = 0.16
Cracking Pressure = 1 psig
- Cv = 0.16
Cracking Pressure = 10 psig
- Cv = 0.16
Cracking Pressure = 25 psig
- Cv = 0.47
Cracking Pressure = 1 psig
- Cv = 0.47
Cracking Pressure = 10 psig
- Cv = 0.47
Cracking Pressure = 25 psig



- Cv = 1.47
Cracking Pressure = 1 psig
- Cv = 1.47
Cracking Pressure = 10 psig
- Cv = 1.47
Cracking Pressure = 25 psig
- Cv = 1.68
Cracking Pressure = 1 psig
- Cv = 1.68
Cracking Pressure = 10 psig
- Cv = 1.68
Cracking Pressure = 25 psig



- Cv = 4.48
Cracking Pressure = 1 psig
- Cv = 4.48
Cracking Pressure = 10 psig
- Cv = 4.48
Cracking Pressure = 25 psig

How to Order

CV1 — F8 — M10 — N — 1 — 316

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV1	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		V Fluorocarbon FKM	1 1 psig	316 316 S.S.
	NPT Male NPT	4 1/4 in.				2 1/3 psig	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		B Buna N E Ethylene propylene N Neoprene Z Kalrez	3 3 psig	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm				10 10 psig	304L 304L S.S.
	FMS Female ISO 261	10 10 mm				25 25 psig	A400 Alloy 400
	MS Male ISO 261	12 3/4 in. or 12 mm					A20 Alloy 20
	FBP Female BSPP	14 14 mm					A600 Alloy 600
	MBP Male BSPP	16 1 in. or 16 mm					A825 Alloy 825
	F Fractional Tube Fitting	18 18 mm					A276 Alloy C276
	M Metric Tube Fitting	20 1 1/4 in. or 20 mm					DU7 Duplex 2507
	UGF Nut + Gasket+ Fractional Bulge Nipple	22 22 mm					BR Brass
	UGM Nut + Gasket+ Metric Bulge Nipple	25 25 mm					

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