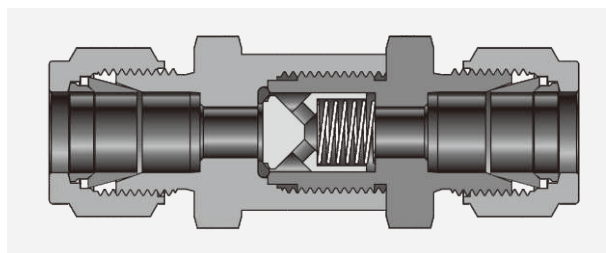


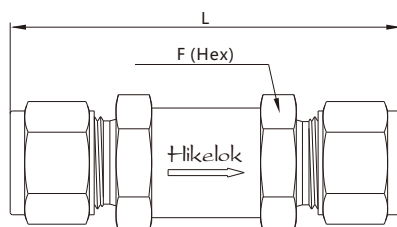


Check Valves-CV1 Series

- ❖ Maximum working pressure: 3000 psig (207 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



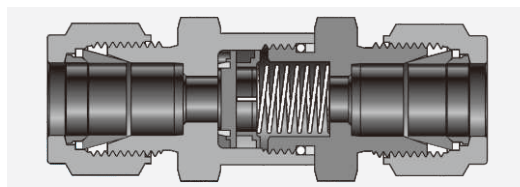
Dimensions



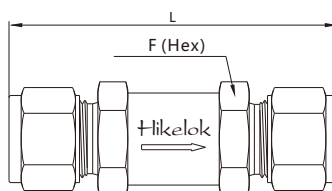
Basic Ordering Number	Connection Type and Size	CV	Dimension, in. (mm)	
			L	F
CV1-F2-	1/8" Hikelok	0.16	2.14 (54.3)	5/8 (15.88)
CV1-F4-	1/4" Hikelok	0.47	2.35 (59.7)	
CV1-F6-	3/8" Hikelok	1.47	3.17 (80.5)	7/8 (22.23)
CV1-F8-	1/2" Hikelok	1.68	3.42 (86.9)	
CV1-F12-	3/4" Hikelok	4.48	4.32 (110)	1 1/4 (31.75)
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)

Check Valves-CV2 Series

- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -10°F to 400°F (-23°C to 204°C)
- ❖ With bonded elastomer seal structure design
- ❖ Liquid or gas service
- ❖ Cracking pressure: 1/3 to 50 psig (0.02 to 0.34 bar)
- ❖ Variety of end connections and materials available



Dimensions



Basic Ordering Number	Connection Type and Size	CV	Dimension, in. (mm)	
			L	F
CV2-F2-	1/8" Hikelok	0.67	2.27 (57.7)	11/16 (17.46)
CV2-F4-	1/4" Hikelok		2.43 (61.7)	
CV2-F6-	3/8" Hikelok	1.8	2.75 (69.9)	1 (25.4)
CV2-F8-	1/2" Hikelok		2.96 (75.2)	
CV2-F12-	3/4" Hikelok	4.7	3.52 (89.4)	1 5/8 (41.28)
CV2-F16-	1" Hikelok		3.88 (98.6)	
CV2-M6-	6 mm Hikelok	0.67	2.43 (61.7)	11/16 (17.46)
CV2-M8-	8 mm Hikelok	1.8	2.70 (68.6)	1 (25.4)
CV2-M10-	10 mm Hikelok		2.80 (71.1)	
CV2-M12-	12 mm Hikelok		2.96 (75.2)	
CV2-M22-	22 mm Hikelok	4.7	3.48 (88.4)	1 5/8 (41.28)
CV2-M25-	25 mm Hikelok		3.88 (98.6)	
CV2-FNPT4-	1/4 Female NPT	0.67	2.13 (54.1)	11/16 (17.46)
CV2-FNPT6-	3/8 Female NPT	1.8	2.55 (64.8)	1 (25.4)
CV2-FNPT8-	1/2 Female NPT		3.03 (77.0)	1 1/16 (26.99)
CV2-FNPT12-	3/4 Female NPT	4.7	3.23 (82.0)	1 5/8 (41.28)
CV2-FNPT16-	1 Female NPT		3.83 (97.3)	
CV2-NPT2-	1/8 Male NPT	0.67	1.79 (45.4)	11/16 (17.46)
CV2-NPT4-	1/4 Male NPT		2.17 (55.1)	
CV2-NPT6-	3/8 Male NPT	1.8	2.36 (59.9)	1 (25.4)
CV2-NPT8-	1/2 Male NPT		2.73 (69.3)	
CV2-NPT12-	3/4 Male NPT	4.7	3.29 (83.6)	1 5/8 (41.28)
CV2-NPT16-	1 Male NPT		3.67 (93.2)	
CV2-FBT4-	1/4 Female BSPT	0.67	2.28 (57.9)	11/16 (17.46)
CV2-FBT8-	1/2 Female BSPT	1.8	3.29 (83.6)	1 1/16 (26.99)
CV2-FBT12-	3/4 Female BSPT	4.7	3.55 (90.2)	1 5/8 (41.28)
CV2-FBT16-	1 Female BSPT		3.83 (97.3)	
CV2-MBT4-	1/4 Male BSPT	0.67	2.17 (55.1)	11/16 (17.46)
CV2-MBT8-	1/2 Male BSPT	1.8	2.73 (69.3)	1 (25.4)
CV2-MBT12-	3/4 Male BSPT	4.7	3.35 (85.1)	1 5/8 (41.28)
CV2-MBT16-	1 Male BSPT		3.67 (93.2)	

How to Order

CV1 — F8 — M10 — N — 1 — 316

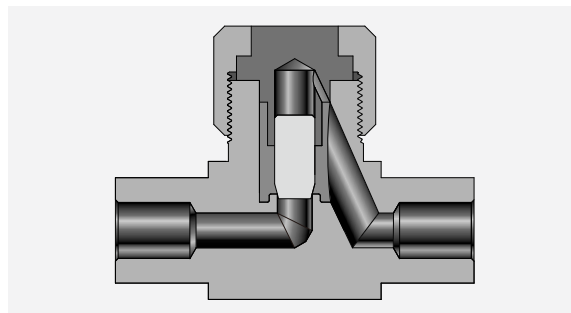
Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV1	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		V Fluorocarbon FKM	1 1 psig	316 316 S.S.
	NPT Male NPT	4 1/4 in.				2 1/3 psig	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		B Buna N	3 3 psig	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm			E Ethylene propylene	10 10 psig	304L 304L S.S.
	FMS Female ISO 261	10 10 mm			N Neoprene	25 25 psig	A400 Alloy 400
	MS Male ISO 261	12 3/4 in. or 12 mm			Z Kalrez		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					

CV2 — F8 — M10 — N — 1 — 316

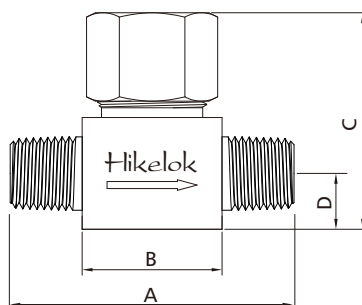
Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV2	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		V Fluorocarbon FKM	1 1 psig	316 316 S.S.
	NPT Male NPT	4 1/4 in.				2 1/3 psig	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		B Buna N	3 3 psig	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm			E Ethylene propylene	10 10 psig	304L 304L S.S.
	FMS Female ISO 261	10 10 mm			N Neoprene	25 25 psig	A400 Alloy 400
	MS Male ISO 261	12 3/4 in. or 12 mm				50 50 psig	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					
	FGFS Female GFS Fitting						
	GFS Male GFS Fitting						
	RGFS Rotatable Male GFS Fitting						

Check Valves-CV3 Series

- ❖ Maximum working pressure up to 6000 psig (413 bar)
- ❖ Working temperature from -65°F to 900°F (-53°C to 482°C)
- ❖ Metal to metal seal structure design
- ❖ Reverse flow coefficient less than 0.1% of forward flow coefficient
- ❖ No springs or elastomers
- ❖ Liquid or gas service
- ❖ Variety of end connections and materials



Dimensions



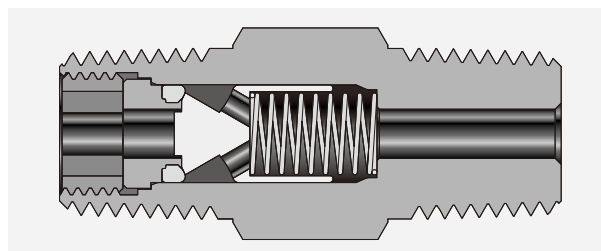
Basic Ordering Number	Connection Type and Size	Cv	Dimension, in. (mm)			
			A	B	C	D
CV3-F4-	1/4" Hikelok	0.30	2.40 (61.0)	1.01 (25.7)	1.47 (37.3)	0.39 (9.9)
CV3-F6-	3/8" Hikelok	0.64	2.83 (71.9)	1.31 (33.3)	1.85 (47.0)	0.50 (12.7)
CV3-F8-	1/2" Hikelok	2.20	3.92 (99.6)	2.19 (55.6)	2.44 (62.0)	0.62 (15.7)
CV3-F12-	3/4" Hikelok					
CV3-M6-	6 mm Hikelok	0.30	2.40 (61.0)	1.01 (25.7)	1.47 (37.3)	0.39 (9.9)
CV3-FNPT2-	1/8 Female NPT		2.00 (50.8)	1.0 (25.4)	1.47 (37.3)	0.39 (9.9)
CV3-FNPT4-	1/4 Female NPT	0.64	2.25 (57.2)	1.25 (31.8)	1.85 (47.0)	0.50 (12.7)
CV3-FNPT6-	3/8 Female NPT	2.20	3.12 (79.2)	1.86 (47.2)	2.44 (62.0)	0.62 (15.7)
CV3-FNPT8-	1/2 Female NPT					
CV3-FSW4-	1/4" FSW	0.30	1.81 (46.0)	0.9 (22.9)	1.47 (37.3)	0.39 (9.9)
CV3-FSW6-	3/8" FSW	0.64	2.25 (57.2)	1.25 (31.8)	1.85 (47.0)	0.50 (12.7)
CV3-FSW8-	1/2" FSW	2.20	3.13 (79.5)	1.88 (47.8)	2.44 (47.0)	0.62 (15.7)
CV3-FBW4-	1/4" FBW	0.30	1.81 (46.0)	0.9 (22.9)	1.47 (37.3)	0.39 (9.9)
CV3-FBW6-	3/8" FBW	0.64	2.25 (57.2)	1.25 (31.8)	1.85 (47.0)	0.50 (12.7)
CV3-FBW8-	1/2" FBW	2.20	3.13 (79.5)	1.88 (47.8)	2.44 (62.0)	0.62 (15.7)

How to Order

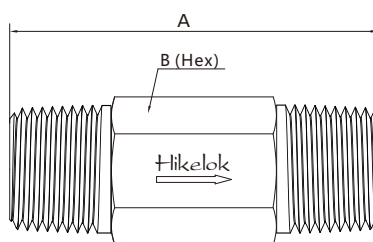
CV3—		F8	— M10 —		316
Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Body Material
CV3	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		316 316 S.S.
	NPT Male NPT	4 1/4 in.			316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm			304L 304L S.S.
	FMS Female ISO 261	10 10 mm			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
	MSW Metric Tube Socket Weld	18 18 mm			A276 Alloy C276
	FBW Fractional Tube Butt Weld	20 1 1/4 in. or 20 mm			DU7 Duplex 2507
	MBW Metric Tube Butt Weld	22 22 mm			CS Steel
	PSW Pipe Socket Weld	25 25 mm			
	PBW Pipe Buttt Weld				
	F Fractional Tube Fitting				
	M Metric Tube Fitting				
	UGF Nut + Gasket+ Fractional Bulge Nipple				
	UGM Nut + Gasket+ Metric Bulge Nipple				

Check Valves-CV4 Series

- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -10°F to 400°F (-23°C to 204°C)
- ❖ One-piece body design
- ❖ Fully contained O-ring seal
- ❖ Cracking pressure: 1/3 to 25 psig (0.02 to 1.7 bar)
- ❖ 316 stainless steel, brass and alloy body material
- ❖ Variety of end connections



Dimensions



Basic Ordering Number	Connection Type and Size	Cv	Dimension, in. (mm)	
			A	B
CV4-FNPT4-	1/4 Female NPT	0.35	2.41 (61.2)	3/4 (19.05)
CV4-FNPT8-	1/2 Female NPT	1.20	3.71 (94.2)	1 1/16 (26.99)
CV4-NPT4-	1/4 Male NPT	0.35	1.62 (41.1)	9/16 (14.29)
CV4-NPT8-	1/2 Male NPT	1.20	2.28 (57.9)	7/8 (22.23)
CV4-FBT4-	1/4 Female BSPT	0.35	2.54 (64.5)	3/4 (19.05)
CV4-MBT4-	1/4 Male BSPT	0.35	1.62 (41.1)	9/16 (14.29)

How to Order

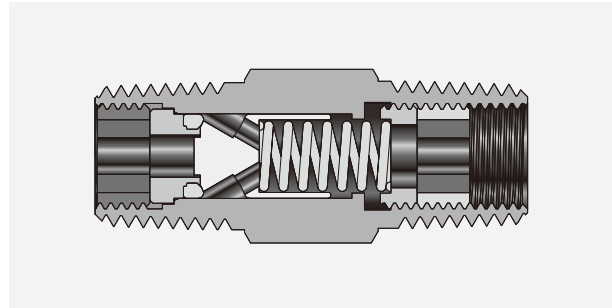
CV4— NPT8 — MBT8 — V — 1 — 316

Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV4	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.			B Buna N	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		E Ethylene propylene	3 3 psig	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm			N Neoprene	10 10 psig	304L 304L S.S.
	FMS Female ISO 261				Z Kalrez	25 25 psig	A400 Alloy 400
	MS Male ISO 261						A20 Alloy 20
	FBP Female BSPP						A600 Alloy 600
	MBP Male BSPP						A825 Alloy 825
							A276 Alloy C276
							DU7 Duplex 2507
							BR Brass

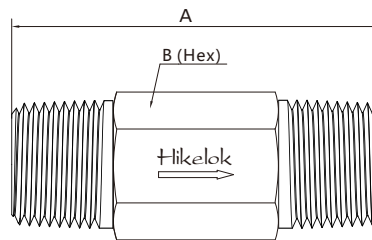
Check Valves-CV5 Series

Regolabile

- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -10°F to 400°F (-23°C to 204°C)
- ❖ One-piece body design
- ❖ Fully contained O-ring seal
- ❖ Adjustable spring sets cracking pressure
- ❖ Locking screw maintains setting
- ❖ Cracking pressure: 3 to 600 psig (0.21 to 41.3 bar)
- ❖ 316 stainless steel, brass and alloy body material
- ❖ Variety of end connections



Dimensions



Basic Ordering Number	Connection Type and Size	Cv	Dimension, in. (mm)	
			A	B
CV5-FNPT4-	1/4 Female NPT	0.35	2.98 (75.7)	3/4 (19.05)
CV5-NPT4-	1/4 Male NPT	0.35	1.62 (41.1)	9/16 (14.29)
CV5-NPT8-	1/2 Male NPT	1.20	2.56 (65.0)	7/8 (22.23)
CV5-MBT4-	1/4 Male BSPT	0.35	1.62 (41.1)	9/16 (14.29)
CV5-MBT8-	1/2 Male BSPT	1.20	2.56 (65.0)	7/8 (22.23)

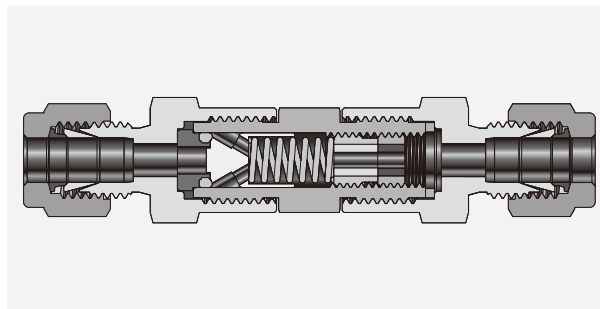
How to Order

CV5 — NPT8 — MBT8 — V — 50 — 316

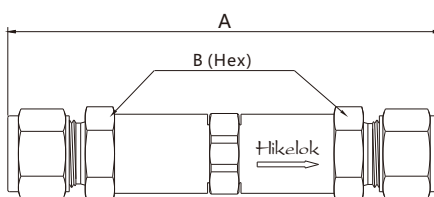
Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV5	FNPT Female NPT	2 1/8 in.	Same as inlet type and inlet size		V Fluorocarbon FKM	50 3 to 50 psig	316 316 S.S.
	NPT Male NPT	4 1/4 in.			B Buna N	150 50 to 150 psig	316L 316L S.S.
	FBT Female BSPT	6 3/8 in. or 6 mm	If outlet and inlet are the same, eliminate the outlet designator		E Ethylene propylene	350 150 to 350 psig	304 304 S.S.
	MBT Male BSPT	8 1/2 in. or 8 mm			N Neoprene	600 350 to 600 psig	304L 304L S.S.
	FMS Female ISO 261				Z Kalrez		A400 Alloy 400
	MS Male ISO 261						A20 Alloy 20
	FBP Female BSPP						A600 Alloy 600
	MBP Male BSPP						A825 Alloy 825
							A276 Alloy C276
							DU7 Duplex 2507
							BR Brass

Check Valves-CV6 Series

- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -10°F to 400°F (-23°C to 204°C)
- ❖ Fully contained O-ring seal
- ❖ Adjustable spring sets cracking pressure
- ❖ Locking screw maintains setting
- ❖ Cracking pressure: 3 to 600 psig (0.21 to 41.3 bar)
- ❖ 316 stainless steel, brass and alloy body material
- ❖ Variety of end connections



Dimensions



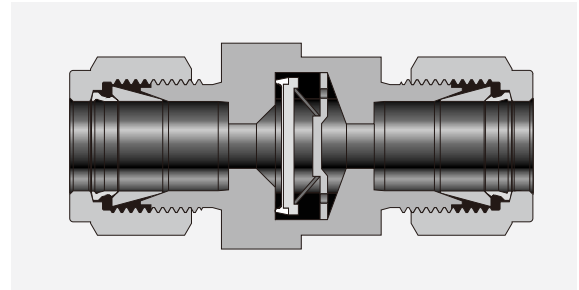
Basic Ordering Number	Connection Type and Size	Cv	Dimension, in. (mm)	
			A	B
CV6-F4-	1/4" Hikelok	0.37	3.23 (82.0)	5/8 (15.88)
CV6-M6-	6 mm Hikelok			
CV6-M8-	8 mm Hikelok		3.32 (84.3)	
CV6-GFS4-	1/4" Male GFS		3.09 (78.5)	

How to Order

CV6 — F4 — M6 — V — 50 — 316							
Series	Inlet Type	Inlet Size	Outlet Type	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV6	F Fractional Tube Fitting	2 1/8 in.	Same as inlet type and inlet size If outlet and inlet are the same, eliminate the outlet designator		V Fluorocarbon FKM	50 3 to 50 psig	316 316 S.S.
	M Metric Tube Fitting	4 1/4 in.			B Buna N	150 50 to 150 psig	316L 316L S.S.
		6 3/8 in. or 6 mm			E Ethylene propylene	350 150 to 350 psig	304 304 S.S.
	GFS Male GFS Fitting	8 1/2 in. or 8 mm			N Neoprene	600 350 to 600 psig	304L 304L S.S.
					Z Kalrez		A400 Alloy 400
							A20 Alloy 20
							A600 Alloy 600
							A825 Alloy 825
							A276 Alloy C276
							DU7 Duplex 2507
							BR Brass

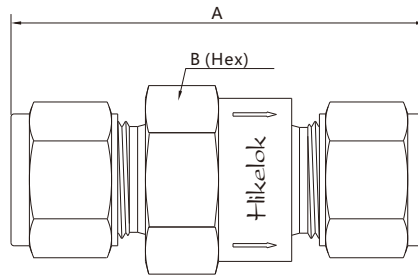
Check Valves-CV7 Series

- ❖ Maximum working pressure up to 3000 psig (206 bar)
- ❖ Working temperature from -10°F to 400°F (-23°C to 204°C)
- ❖ All-Welded body design
- ❖ Standard or high-purity wetted surface finishes for choice
- ❖ Cracking pressure less than 2 psig (0.14 bar)
- ❖ 316L stainless steel body material
- ❖ Tube butt weld, female GFS fitting, integral male GFS fitting, rotatable male GFS fitting, and Hikelok tube fitting end connections are available



Dimensions

Hikelok®



Solution Provider for Fluid Systems

Basic Ordering Number	Connection Type and Size	Cv	Dimension, in. (mm)	
			A	B
CV7-FBW4-	1/4" FBW	0.55	1.24 (31.5)	7/8 (22.23)
CV7-FBW6-	3/8" FBW	0.70		
CV7-FBW8-	1/2" FBW			
CV7-MBW6-	6 mm MBW	0.55	1.80 (45.7)	1 (25.4)
CV7-GFS4-	1/4" Male GFS	0.70	2.06 (53.8)	
CV7-GFS8-	1/2" Male GFS			
CV7-F4-	1/4" Hikelok	0.55	1.96 (49.8)	7/8 (22.23)
CV7-M6-	6 mm Hikelok	0.70		

How to Order

CV7	F4	M6	V	316L		
Series	Inlet Type	Inlet Size	Outlet Size	Seal Material	Cracking Pressure	Body Material
CV7	F Fractional Tube Fitting	2 1/8 in.	Same as inlet type and inlet size	If outlet and inlet are the same, eliminate the outlet designator	V Fluorocarbon FKM	316 316 S.S.
	M Metric Tube Fitting	4 1/4 in.			B Buna N	316L 316L S.S.
	FBW Fractional Tube Butt Weld	6 3/8 in. or 6 mm	E Ethylene propylene			
	MBW Metric Tube Butt Weld	8 1/2 in. or 8 mm	N Neoprene			
	GFS Male GFS Fitting					
	FGFS Female GFS Fitting					
	RGFS Rotatable Male GFS Fitting					