

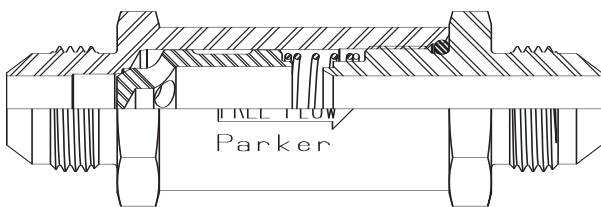
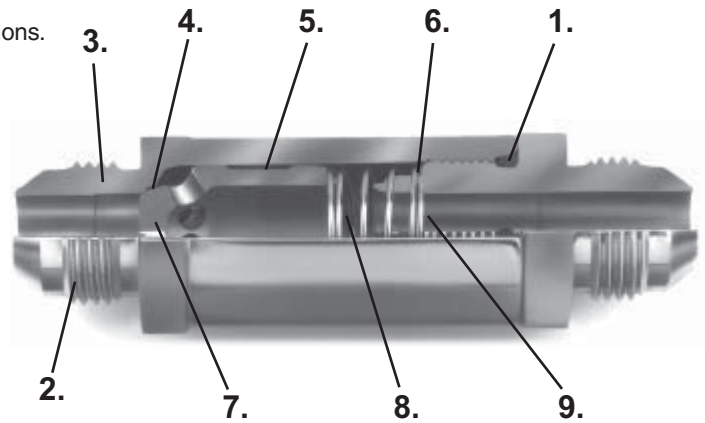


CV Series Check Valves Offer Port Thread Options for Special Plumbing Requirements

Parker's CV Series check valves are a rugged built and versatile product designed to protect hydraulic systems from fluid back pressure. The CV Series compliments the DT Series by adding the feature of modular design. This two piece body design offers more end configurations than a one piece body. The larger body also results in less pressure drop and increased performance. The CV Series are in-line unidirectional valves, available in sizes 1/4" to 1", with a pressure rating of up to 3000 PSI, flow capacities to 100 GPM, and a variety of port options. Standard spring crack pressures are 5 and 65 PSI. Other crack pressures available upon request.

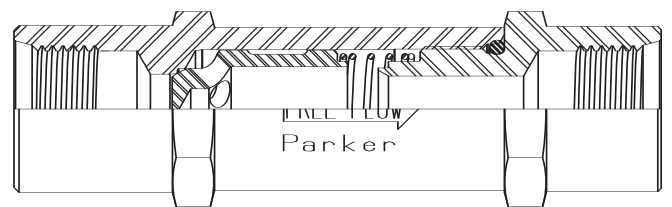
Features:

1. Nitrile O-ring is standard in the body assembly. Note port O-rings are included on the MO and MS port options.
2. Available with variety of thread design options.
3. All-steel construction
4. Valve seats resist damage from shocks, surges and contamination.
5. Poppet has an oil retention groove that lubricates the bore and eliminates galling.
6. Poppet spring is isolated from the liquid flow stream, minimizing turbulence.
7. Poppet is heat treated to help prevent damage from shocks, surges and galling.
8. Close tolerance fit between poppet and poppet retainer creates a cushion that protects valve from surge shock damage.
9. Optional crack pressures available upon request.



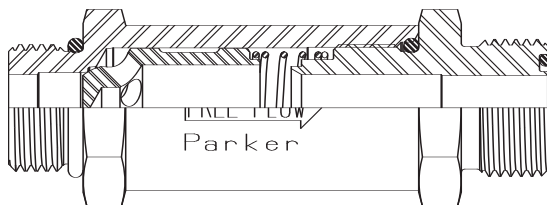
CV-MFMF

Male Flare 37° JIC Inlet to Male Flare 37° JIC Outlet



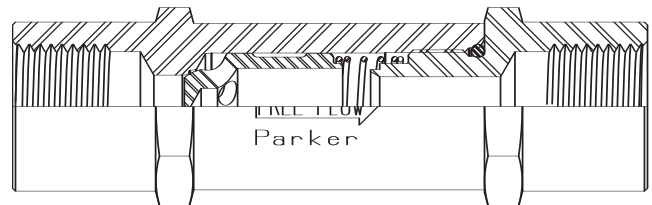
CV-FOFO

Female O-ring Boss Inlet to Female O-ring Boss Outlet



CV-MOMS

Male O-Ring Boss Inlet to Male Seal-Lok® Outlet



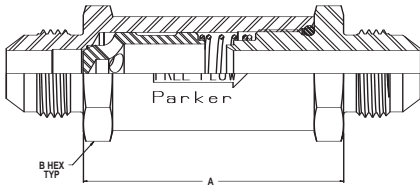
CV-FPPF

Female Pipe Thread Inlet to Female Pipe Thread Outlet

Check Valves

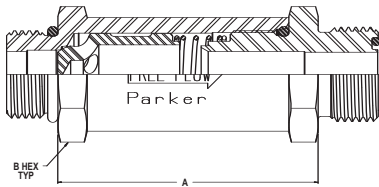
Specifications

CV-MFMF Male Flare 37° JIC Inlet to Male Flare 37° JIC Outlet



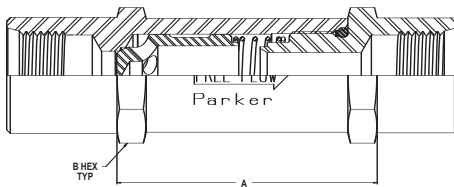
Valve Size (inch)	Part Number	Inlet Port Thread	Dimensions (inch)		Outlet Port Thread	** Std Crack Pressures (PSI)	Max Operating Pressure (PSI)
			A	B Hex			
1/4	CV-250-MFMF-**	7/16-20 UNF	1.53	.68	7/16-20 UNF	5, 65	3000
3/8	CV-370-MFMF-**	9/16-18 UNF	1.75	.81	9/16-18 UNF	5, 65	3000
1/2	CV-500-MFMF-**	3/4-16 UNF	2.22	1.00	3/4-16 UNF	5, 65	3000
5/8	CV-620-MFMF-**	7/8-14 UNF	2.41	1.12	7/8-14 UNF	5, 65	3000
3/4	CV-750-MFMF-**	1-1/16-12 UN	2.75	1.38	1-1/16-12 UN	5, 65	3000
1	CV-1000-MFMF-**	1-5/16-12 UN	3.31	1.62	1-5/16-12 UN	5, 65	3000

CV-MOMS Male O-Ring Boss Inlet to Male Seal-Lok® Outlet



Valve Size (inch)	Part Number	Inlet Port Thread	Dimensions (inch)		Outlet Port Thread	** Std Crack Pressures (PSI)	Max Operating Pressure (PSI)
			A	B Hex			
1/4	CV-250-MOMS-**	7/16-20 UNF	1.53	.68	9/16-18 UNF	5, 65	3000
3/8	CV-370-MOMS-**	9/16-18 UNF	1.75	.81	11/16-16 UN	5, 65	3000
1/2	CV-500-MOMS-**	3/4-16 UNF	2.22	1.00	13/16-16 UN	5, 65	3000
5/8	CV-620-MOMS-**	7/8-14 UNF	2.41	1.12	1-14 UNS	5, 65	3000
3/4	CV-750-MOMS-**	1-1/16-12 UN	2.75	1.38	1-3/16-12 UN	5, 65	3000
1	CV-1000-MOMS-**	1-5/16-12 UN	3.31	1.62	1-7/16-12 UN	5, 65	3000

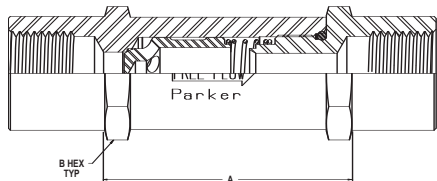
CV-FOFO Female O-ring Boss Inlet to Female O-ring Boss Outlet



Valve Size (inch)	Part Number	Inlet Port Thread	Dimensions (inch)		Outlet Port Thread	** Std Crack Pressures (PSI)	Max Operating Pressure (PSI)
			A	B Hex			
1/4	CV-250-FOFO-**	7/16-20 UNF	1.53	.68	7/16-20 UNF	5, 65	3000
3/8	CV-370-FOFO-**	9/16-18 UNF	1.75	.81	9/16-18 UNF	5, 65	3000
1/2	CV-500-FOFO-**	3/4-16 UNF	2.22	1.00	3/4-16 UNF	5, 65	3000
5/8	CV-620-FOFO-**	7/8-14 UNF	2.41	1.12	7/8-14 UNF	5, 65	3000
3/4	CV-750-FOFO-**	1-1/16-12 UN	2.75	1.38	1-1/16-12 UN	5, 65	3000
1	CV-1000-FOFO-**	1-5/16-12 UN	3.31	1.62	1-5/16-12 UN	5, 65	3000

Check Valves

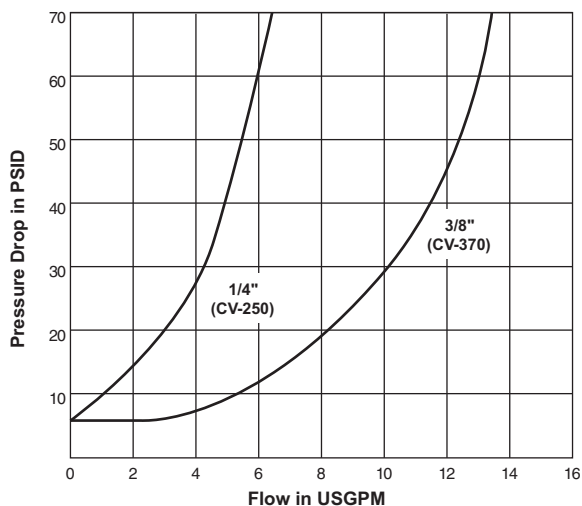
CV-FPPF Female Pipe Thread Inlet to Female Pipe Thread Outlet



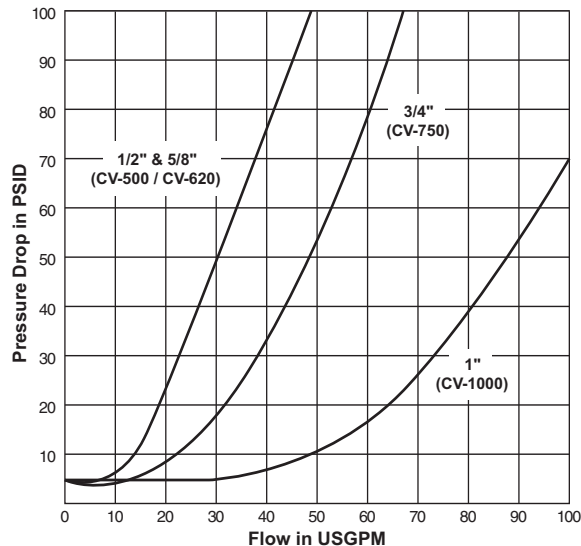
Valve Size (inch)	Part Number	Inlet Port Thread	Dimensions (inch)		Outlet Port Thread	** Std Crack Pressures (PSI)	Max Operating Pressure (PSI)
			A	B Hex			
1/4	CV-250-FPPF-**	1/4-18 NPSF	1.53	.75	1/4-18 NPSF	5, 65	3000
3/8	CV-370-FPPF-**	3/8-18 NPSF	1.75	.81	3/8-18 NPSF	5, 65	3000
1/2	CV-500-FPPF-**	1/2-14 NPSF	2.22	1.12	1/2-14 NPSF	5, 65	3000
3/4	CV-750-FPPF-**	3/4-14 NPSF	2.75	1.38	3/4-14 NPSF	5, 65	3000
1	CV-1000-FPPF-**	1 - 11-1/2 NPSF	3.31	1.62	1 - 11-1/2 NPSF	5, 65	3000

Flow Data

CV Series (1/4" & 3/8")
Test Fluid: Oil - 200 SUS



CV Series (1/2", 5/8", 3/4" & 1")
Test Fluid: Oil - 200 SUS



Ordering Information

CV - * * * - * * * * - * *

CRACK PRESSURE
 5 - 5 PSI
 65 - 65 PSI
 Other Crack Pressures up to 200 PSI in 5 PSI increments are available. Contact the Division for price and delivery on non-standard crack pressures

SERIES	SIZE	FITTING STYLE
250 - 1/4"	FOFO - Female O-Ring Boss Inlet to Female O-Ring Boss Outlet	
370 - 3/8"	MFMF - Male Flare Inlet to Male Flare Outlet	
500 - 1/2"	MOMS - Male O-Ring Boss Inlet to Male Seal-Lok® Outlet	
620 - 5/8"	FPPF - Female Pipe Inlet to Female Pipe Outlet	
750 - 3/4"		
1000 - 1"		

