

GCV1 Check Valves



Features

Pressure Rating	3000psig (206bar)@ 70°F (21°C)
Temperature rating	375°F (191°C) with viton o-ring
Body Material	Stainless Steel 316
Factory Testing	every valves are tested at the factory

Pressure-Temperature Rating

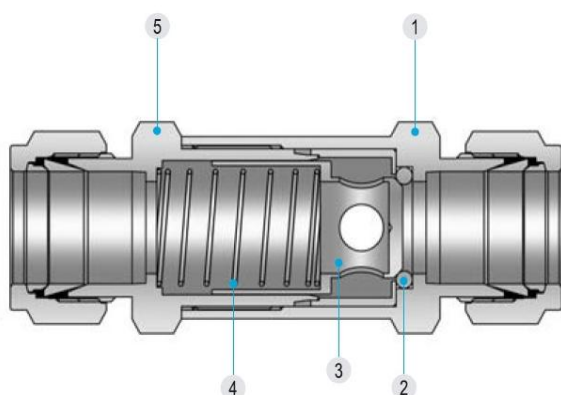
Applications

Chemical Plants, Steel Mills, Fuel Lines,
Oil & Gas Heavy Vehicles,

Testing

Every valve is factory tested with Nitrogen
@1000psig(69bar) for leakage at the seat
to a maximum allowable leak of 0.1sccm.

Material of Constructions



No	Description	Materials
1	Inlet Body	ASTM A276 Type 316
2	O-Ring	Viton
3	Poppet	ASTM A276 Type 316
4	Spring	304 Stainless Steel
5	Outlet Body	ASTM A276 Type 316

Table of Dimensions

Order Number		End Connections		Orifice (mm)	Cv	Dimensions (mm)			
Series	Part No.	Inlet	Outlet			h(Hex)	H(Hex)	L	I
GCV1	G-2TM	1/8" GPI Lok		4.8	0.16	15.88	11.11	55.60	25.00
	2NF-	1/8" Male NPT			0.47		-	44.40	-
	2ND-	1/8" Female NPT					-	46.50	25.00
	4TD-	1/4" GPI Lok					14.29	60.00	
	6MMD-	6mm GPI Lok					14.00		
	4N4TM-	1/4" Male NPT	1/4" GPI Lok				14.29	56.40	
	4NF	1/4" Male NPT					-	53.40	-
GCV2	4ND-	1/4" Female NPT		7.1	1.48	19.05	-	56.80	27.10
	6TD-	3/8" GPI Lok					17.46	65.50	
	10MM-	10mm GPI Lok					19.00	65.50	
	6NF-	3/8" Male NPT					-	55.50	-
GCV3	6ND-	3/8" Female NPT		10.0	1.7	22.22	-	63.80	36.20
	8TD-	1/2" GPI Lok					22.22	80.20	
	12MM-	12mm GPI Lok					22.00		
	8NF-	1/2" Male NPT					-	74.40	-
GCV4	8ND-	1/2" Female NPT		13.5	2.6	28.58	-	84.70	-
	10TD-	5/8" GPI Lok					25.40	91.80	48.10
GCV5	12TM-	3/4" GPI Lok		16.0	5.2	31.75	28.58	110.70	66.10
	12NF-	3/4" Male NPT					-	105.30	
	12ND-	3/4" Female NPT					-	103.00	-
GCV6	16TM-	1" GPI Lok		18.0	8.0	34.93	38.10	120.80	68.00
	16NF-	1" Male NPT					-	115.80	
	16N-	1" Female NPT				41.28	-	111.00	

*Dimensions are for reference only and are subject to change without prior notice.

Ordering Information

GCV



G



04T



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S316



Valve Series		End Connection						Size		Cracking Pressure				Body Materials																																																																									
		G: Tube Fitting						▽		<table><tr><th colspan="2">Cracking Pressure</th></tr><tr><td>1/3</td><td>1/3 psig</td></tr><tr><td>1</td><td>1 psig</td></tr><tr><td>3</td><td>3 psig</td></tr><tr><td>10</td><td>10 psig</td></tr><tr><td>25</td><td>25 psig</td></tr><tr><td>100</td><td>100 psig</td></tr></table>				Cracking Pressure		1/3	1/3 psig	1	1 psig	3	3 psig	10	10 psig	25	25 psig	100	100 psig	S316: 316 Stainless Steel																																																											
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