CHECK VALVE

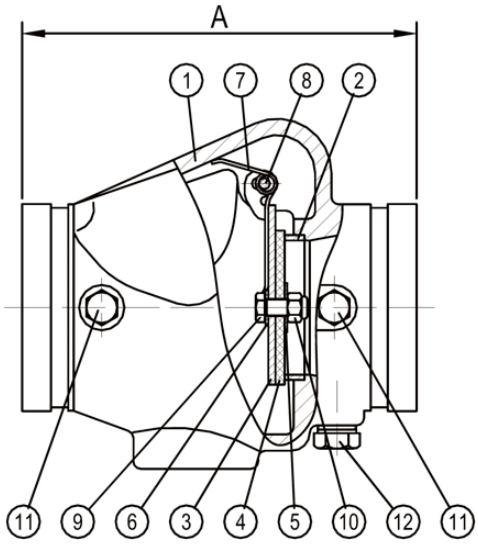
VCG01 - 350PSI Grooved-End Swing Check Valve

- Installed in both Horizontal or Vertical Line with Upward Flow
- Easier and Faster to Maintain and Install
- Low Pressure Drop
- EPDM non-stick leak tight sealing
- All Stainless Steel Wetted Parts to Provide Superior Corrosion Resistance
- FM Approved & UL/ULC Listed



Material Specifications

PART	SPECIFICATION
1. Body	Ductile Iron ASTM A 536
2. Seat	Bronze
3. Clapper	Stainless Steel 304
4. Facing Seal	EPDM Rubber
5. Clamping Ring	Stainless Steel 304
6. Gasket	EPDM Rubber
7. Spring	Stainless Steel 304
8. Hinge Pin	Stainless Steel 304
9. Bolt	Stainless Steel 304
10. Locknut	Stainless Steel 304
11. Plug 1/4" NPT	Carbon Steel
12. Plug 1/2" NPT	Carbon Steel



Dimension

Part Number	size		OD	A		Weight	
	In.	mm	mm	In.	mm	lbs	kg
VCG01-060	2	50	60.3	6.65	169	5.5	2.5
VCG01-073	2 1/2	65	73.0	7.20	183	8.8	4
VCG01-076	3OD	65	76.1	7.20	183	8.8	4
VCG01-089	3	80	88.9	7.80	198	13	6
VCG01-114	4	100	114.3	8.58	218	20	9
VCG01-140	5 1/2OD	125	139.7	9.76	248	33	15
VCG01-141	5	125	141.3	9.76	248	33	15
VCG01-165	6 1/2OD	150	165.1	10.63	270	42	19
VCG01-168	6	150	168.3	10.63	270	42	19
VCG01-219	8	200	219.1	12.80	325	77	35
VCG01-273	10	250	273.0				
VCG01-324	12	300	323.9				

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c UL us LISTED

Check Valve Performance Date

Formulas for C_v Values

$$P = \frac{Q^2}{C_V^2}\ \Delta$$

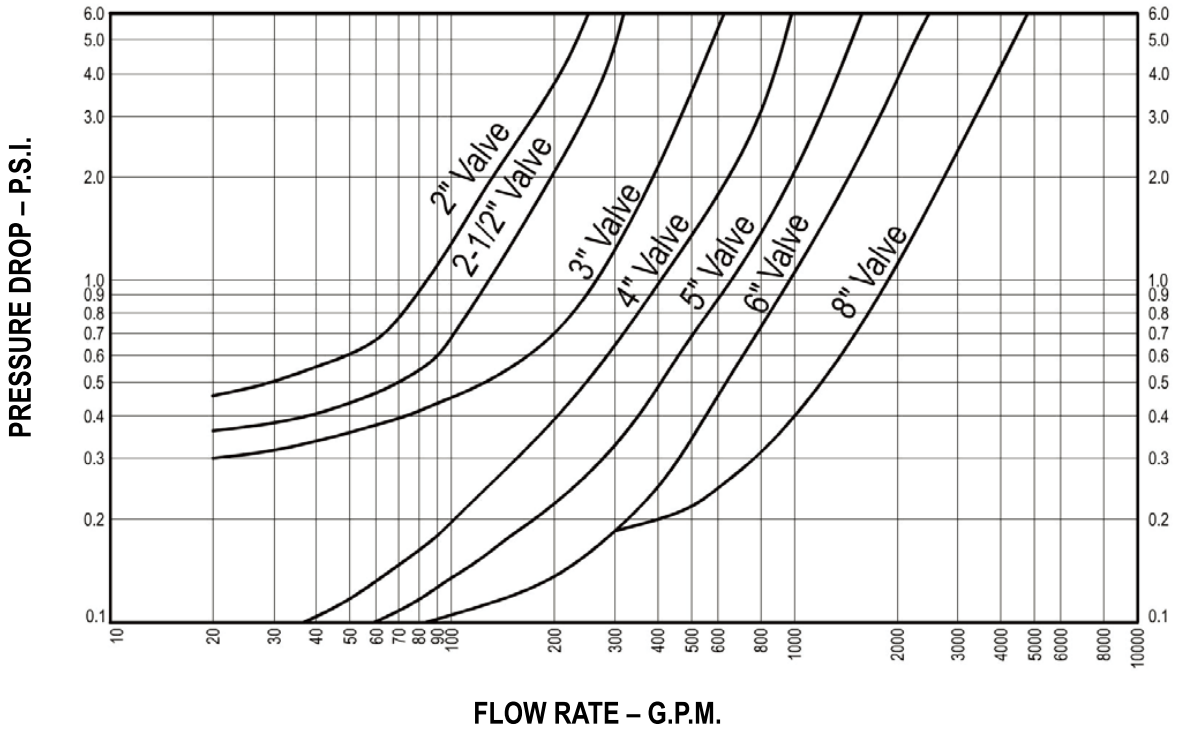
$$_{V}\ \sqrt{\Delta P}\ \times\ C=\ Q$$

Where: Q = Flow rate (gallons per minute: GPM)

ΔP = Pressure drop across valve (PSI)

C_v = Flow coefficient

Nominal Size		Pipe O.D.	Cv (Full	Nominal Size		Pipe O.D.	Cv (Full	Nominal Size		Pipe O.D.	Cv (Full
In.	mm	mm	Open)	In.	mm	mm	Open)	In.	mm	mm	Open)
2	50	60.3	100	4	100	114.3	390	6 1/2OD	150	165.1	1000
2 1/2	65	73.0	140	5 1/2OD	125	139.7	700	6	150	168.3	1000
3OD	65	76.1	140	5	125	141.3	700	8	200	219.1	1800
3	80	88.9	250								



HMER.EX15737
Check Valves

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Check Valves

See General Information for Check Valves

FLOWCOM MECHANICAL TECHNOLOGY CO LTD EX15737

SUITE F, 23RD FL
LIANGFENG TOWER
8 DONGFANG RD
200120 SHANGHAI, CHINA

Swing-type, Model VCG01, 2, 2-1/2, 3, 4, 5, 6, 8 in.(DN 65, DN150), with resilient seat for rated working pressures of 350 psig horizontal and vertical installation.

Swing-type, Model VCF01, 2, 2-1/2, 3, 4, 5, 6, 8 in.(DN 65, DN150), with resilient seat for rated working pressures of 350 psig horizontal and vertical installation.

Last Updated on 2011-03-14

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Single Check Valves

Single check valves are used in fire protection systems to allow waterflow in one direction only. Typical applications are at connections between public water supplies and private fire service systems, at the discharge from fire pumps, at gravity tank connections and at fire service pumper connections.

Valves identified in the listing by a single asterisk (*) have side covers; valves identified by a double asterisk (**) have no removable covers; others have top covers. Clearance must be provided for side-cover valves to permit clapper removal. Valves without covers must be removed from the system for clapper replacement or repair. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

VGC01

Product Designation	*Description*	*Nominal Pipe Size, in.*	*Max Working Pressure, psi (kPa)*	*Remarks*
VCG01	Swing Check Valve, Grooved Ends	2-1⁄2, 3OD, 3, 4, 5-1⁄2OD, 5, 6-1⁄2OD, 6, 8	350 (2415)	a

Remarks

a. Resilient Seat

Company Name:	FlowCom Mechanical Technology Co Ltd
Company Address:	Suite F, 23rd Floor, Leiangfeng Tower, 8 Dongfang Road, Pudong, Shanghai, PR China 200120
Company Website:	http://www.flowcomtech.com
Listing Country:	China
Certification Type:	FM Approved

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