

SPECIFICATION

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

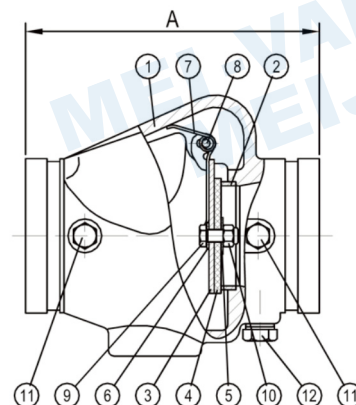


PRESSURE/TEMPERATURE RATINGS

Working pressure	350 PSI
Testing Pressure	Shell: 525 PSI, Seat: 385 PSI
Working temperature	EPDM ≤85°C
Suitable Media	

MATERIALS Specifications

Part	ASTM Spec.
1 Body	Ductile Iron ASTM A536
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 mm	A		Weight	
	In.	mm		In.	mm	Lbs	kg.
153-060	2	50	60.3	6.65	169	5.5	2.5
153-073	2½	65	73	7.2	183	8.8	4
153-076	3OD	65	76.1	7.2	183	8.8	4
153-089	3	80	88.9	7.8	198	13	6
153-114	4	100	114.3	8.58	218	20	9
153-140	5½OD	125	139.7	9.76	248	33	15
153-141	5	125	141.3	9.76	248	33	15
153-165	6½OD	150	165.1	10.6	270	42	19
153-168	6	150	168.3	10.6	270	42	19
153-219	8	200	219.1	12.8	325	77	35
153-273	10	250	273				
153-324	12	300	323.9				

Check Valve Performance Date

Formulas for Cv Values

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

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

ΔP = Pressure drop across valve (PSI)

$$C_v = \frac{Q}{\sqrt{\Delta P}} \times C$$

C_v = Flow coefficient

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

