



VCSEF-P PVC/CPVC/PP SWING CHECK VALVE 150# FLANGED ENDS

Features

- Engineered for Quick Response, Full-Flow Fluid Transfer.
- Suitable for horizontal or up-flow vertical applications.
- Designed for optimum flow, quick response and positive shutoff with minimum turbulence.
- Standard O-ring seat and seals in EPDM or FKM. (Special order PTFE encapsulated seals available.)
- Top Access & O-ring Sealed Drain Plug for In-line Servicing
- Stainless Steel External Hardware
- Fully Serviceable, Replaceable Components
- Suitable for Vacuum Service
- Assembled with Silicone-Free, Water Soluble Lubricants
- Available with counter weight and/or position indicator
- constructed from PVC Type I, ASTM D 1784 Cell Classification 12454 or CPVC Type IV, ASTM D 1784 Cell Classification 23447, or Polypropylene, ASTM D 4101.

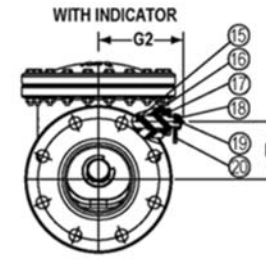
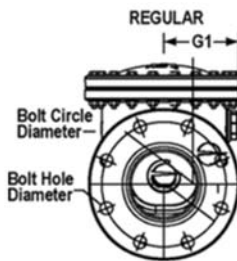


**THREADED BONNET
SIZES 3/4", 1" & 1-1/4"**

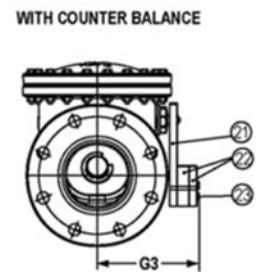
**BOLTED BONNET
SIZES 1-1/2" to 8"**

PRESSURE (PSIG) @ TEMPERATURE

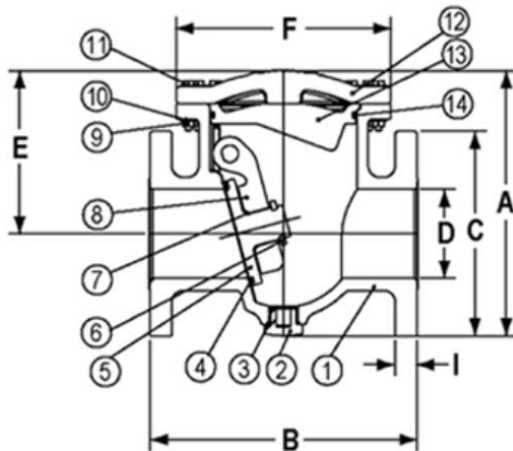
SIZE	MATERIAL	100 (F°)	140 (F°)	180 (F°)	200 (F°)
3/4 - 4	PVC	150	50	0	0
	CPVC	150	110	70	50
	PP	150	75	45	0
6	PVC	100	50	0	0
	CPVC	100	80	60	50
	PP	100	70	45	0
8	PVC	70	45	0	0
	CPVC	70	57	45	40
	PP	70	52	40	0



**OPTIONAL POSITION
INDICATOR SHOWS DISC
POSITION**



**OPTIONAL COUNTER
WEIGHT SHORTENS
CLOSING TIME**



BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
1	Body	PVC/CPVC/PP	12	Seal Carrier	PVC/CPVC/PP
2	Plug	PVC/CPVC/PP	14	Body O-ring	EPDM/FKM
3	Plug O-ring	EPDM/FKM	15	Arm Pin	PVC/CPVC/PP
4	Disk O-ring A	EPDM/FKM	16	Arm Pin Seal	FKM
5	Disc	PVC/CPVC/PP	17	Arm Pin Plug	PVC/CPVC/PP
6	Disc Ret Clip	PVC/CPVC	18	Arm Pin Washer	316SS
7	Disc O-ring B	EPDM/FKM	19	Arm Pin Bolt	316SS
8	Swing Arm	PVC/CPVC/PP	20	Indicator	PP
9	Nut	316SS	21	Counter Balance	PVC
10	Washer	316SS	22	Weight Block	PVC
11	Bolt	316SS	23	Weight Block Bolt	316SS
12	Bonnet	PVC/CPVC/PP	24	Arm Pin Ret Clip	PP

DIMENSIONS (in) / PERFORMANCE

SIZE	A	B	C	D	E	F	G1	G2	G3	H	I	Cv	Wt. (lb)
3/4	5-5/16	5-1/2	3-7/8	3/4	3-3/4	3-3/4	2-1/2	3	4	1-7/16	1/2	18.0	1.80
1	6-5/8	6-5/16	4-1/4	1	4-1/2	4-1/2	2-25/32	3-7/32	4-7/32	1-21/32	5/8	24.0	2.80
1-1/4	7-3/8	7-3/32	5	1-19/32	4-9/16	5-3/4	3-3/16	3-25/32	4-3/8	1-27/32	23/32	70.0	4.87
1-1/2	7-3/8	7-3/32	5	1-19/32	4-9/16	5-3/4	3-3/16	3-25/32	4-3/8	1-27/32	23/32	70.0	4.87
2	8-1/2	7-7/8	6	2	5-1/4	7	3-9/16	4-1/8	4-23/32	2-29/32	13/16	95.0	7.24
2-1/2	10-3/4	10-1/4	7-1/2	3-1/8	6-3/4	8-5/8	4-1/4	5	6-9/32	3-1/16	7/8	300.0	15.74
3	10-3/4	10-1/4	7-1/2	3-1/8	6-3/4	8-5/8	4-1/4	5	6-9/32	3-1/16	7/8	300.0	15.74
4	11-3/4	11-13/16	9	3-29/32	7-1/4	9-1/2	4-1/2	5-1/4	6-17/32	3-17/32	1	480.0	19.78
6	15-5/8	15-1/4	11	5-7/8	9-1/2	13-7/16	6	6-3/4	8-1/32	5-1/32	1	1100.0	44.56
8	19-1/8	19-23/32	13-1/2	7-7/8	11-5/8	16-5/16	7	7-3/4	9-1/32	6-1/2	1-5/32	1900.0	76.05

SUITABLE FOR OIL FREE AIR HANDLING TO 25 PSIG MAX. NOT FOR COMPRESSED AIR OR GAS.