

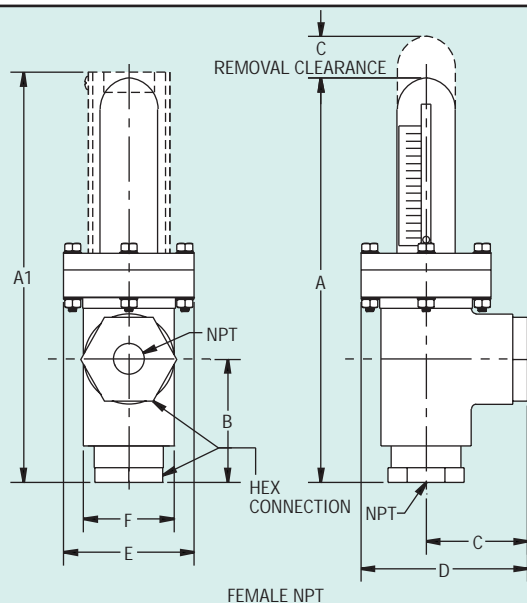


Model  
PVF

# PVC Flowmeters

Perfect for Compatible Acids, Caustics and D.I. Water

Flow

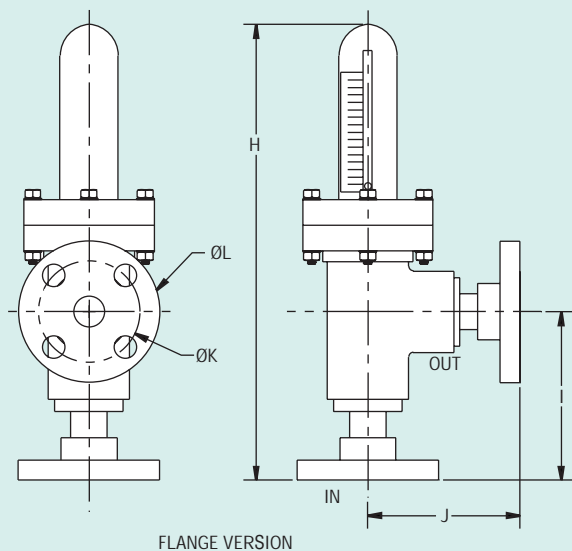


Standard (NPT)

Range	NPT	A	B	C	D	E	F	G
00/10 29/40	3/4"	11-1/32 [280.19]	3-25/64 [86.12]	2-53/64 [71.83]	4-43/64 [118.67]	3-39/64 [91.68]	2-35/64 [64.69]	3 [76.2]
11/17 41/51	1-1/2"	16-15/16 [430.21]	4-1/4 [107.95]	4 [101.6]	6-29/64 [163.91]	5-1/32 [127.79]	3-29/64 [87.71]	5 [127]
18/22 52/56	3"	24-11/32 [618.27]	7-29/32 [200.66]	7-29/32 [200.66]	11-19/32 [294.63]	5-1/32 [127.79]	4-5/16 [109.22]	5 [127]
23/28 57/62	4"	26-43/64 [728.20]	9-13/16 [248.66]	9-13/16 [248.66]	14-9/32 [362.96]	5-7/16 [138.17]	5-7/16 [138.17]	5 [127]

Optional Flange

Option	Range	Flange	H	I	J	K	L	# of Bolt Holes	Flange Opening Diameter
F1	00/10 29/40	3/4"	12-1/4 [311.65]	4-5/8 [117.6]	4-1/16 [103.38]	2-3/4 [69.85]	3-7/8 [98.55]	4	(1-1/8)
F2	11/17 41/51	1-1/2"	18-5/8 [473.19]	5-15/16 [151.13]	5-11/16 [144.78]	3-7/8 [98.55]	5 [127]	4	(2)
F3	18/22 52/56	3"	22-35/64 [572.64]	6-7/64 [155.18]	6-7/64 [155.18]	6 [152.4]	7-1/2 [190.5]	4	(3-1/2)
F4	23/28 57/62	4"	26-3/8 [669.86]	7-1/2 [190.5]	7-1/2 [190.5]	7-1/2 [190.5]	9 [228.6]	8	(4-1/2)



FLANGE VERSION

The Series PVF Flowmeters are heavy bodied meters for corrosives and high purity fluids. They are economically priced meters ideal for acids or de-ionized water making them suited for water & wastewater treatment facilities. The flowmeters are comprised of all plastic wetted components for maximum corrosion resistance. They have a full-scale accuracy of  $\pm 2\%$  and can be disassembled quickly without the meter being removed from the pipeline for easy cleaning. The Series PVF flowmeters are available with standard 3/4", 1-1/2", 3", and 4" female NPT connections. Optional flange connections are also available.

## SPECIFICATIONS

**Service:** Compatible gases or liquids.

**Wetted Materials:** PVC, Buna-N O-rings.

**Temperature Limits:** See operating limits chart.

**Pressure Limits:** See operating limits chart.

**Accuracy:**  $\pm 2\%$  of full scale.

**Repeatability:**  $\pm 1/2\%$  of indicated flow rate.

**Process Connections:** 3/4", 1-1/2", 3", and 4" female NPT.

**Weight:** 3 lbs (1.4 kg) for 3/4", 9 lbs (4.1 kg) for 1-1/2", 14 lbs (6.4 kg) for 3", and 18 lbs (8.2) for 4".

## Water Service

Model No.	Description (Range and Connection)	
PVF-00	0.025-0.54 GPM Water	3/4" FNPT
PVF-01	0.04-0.80 GPM Water	3/4" FNPT
PVF-02	0.06-1.20 GPM Water	3/4" FNPT
PVF-03	0.08-1.64 GPM Water	3/4" FNPT
PVF-04	0.10-2.60 GPM Water	3/4" FNPT
PVF-05	0.15-3.80 GPM Water	3/4" FNPT
PVF-06	0.20-5.40 GPM Water	3/4" FNPT
PVF-07	0.20-7.00 GPM Water	3/4" FNPT
PVF-08	0.20-10.00 GPM Water	3/4" FNPT
PVF-09	0.60-15.00 GPM Water	3/4" FNPT
PVF-10	0.50-20.0 GPM Water	3/4" FNPT
PVF-11	0.50-11.0 GPM Water	1-1/2" FNPT
PVF-12	0.70-15.0 GPM Water	1-1/2" FNPT
PVF-13	1.00-25.0 GPM Water	1-1/2" FNPT
PVF-14	0.50-35.0 GPM Water	1-1/2" FNPT
PVF-15	1.00-50.0 GPM Water	1-1/2" FNPT
PVF-16	2.00-70.0 GPM Water	1-1/2" FNPT
PVF-17	4.00-120 GPM Water	1-1/2" FNPT
PVF-18	2.00-50.0 GPM Water	3" FNPT
PVF-19	4.00-100 GPM Water	3" FNPT
PVF-20	7.00-150 GPM Water	3" FNPT
PVF-21	10.0-200 GPM Water	3" FNPT
PVF-22	15.0-300 GPM Water	3" FNPT
PVF-23	4.00-100 GPM Water	4" FNPT
PVF-24	7.00-150 GPM Water	4" FNPT
PVF-25	10.0-200 GPM Water	4" FNPT
PVF-26	15.0-300 GPM Water	4" FNPT
PVF-27	15.0-400 GPM Water	4" FNPT
PVF-28	20.0-500 GPM Water	4" FNPT

## Air Service

Model No.	Description (Range and Connection)	
PVF-29	0.30-7.40 SCFM Air	3/4" FNPT
PVF-30	0.50-10.2 SCFM Air	3/4" FNPT
PVF-31	0.70-14.0 SCFM Air	3/4" FNPT
PVF-32	1.00-20.0 SCFM Air	3/4" FNPT
PVF-33	1.00-26.0 SCFM Air	3/4" FNPT
PVF-34	1.00-35.0 SCFM Air	3/4" FNPT
PVF-35	2.00-50.0 SCFM Air	3/4" FNPT
PVF-36	3.00-70.0 SCFM Air	3/4" FNPT
PVF-37	4.00-85.0 SCFM Air	3/4" FNPT
PVF-38	6.00-125 SCFM Air	3/4" FNPT
PVF-39	6.00-160 SCFM Air	3/4" FNPT
PVF-40	4.00-260 SCFM Air	3/4" FNPT
PVF-41	2.0-40.0 SCFM Air	1-1/2" FNPT
PVF-42	3.00-70.0 SCFM Air	1-1/2" FNPT
PVF-43	4.00-100 SCFM Air	1-1/2" FNPT
PVF-44	5.00-140 SCFM Air	1-1/2" FNPT
PVF-45	5.00-175 SCFM Air	1-1/2" FNPT
PVF-46	6.00-250 SCFM Air	1-1/2" FNPT
PVF-47	2.0-310 SCFM Air	1-1/2" FNPT
PVF-48	7.50-390 SCFM Air	1-1/2" FNPT
PVF-49	10.0-510 SCFM Air	1-1/2" FNPT
PVF-50	35.0-750 SCFM Air	1-1/2" FNPT
PVF-51	20.0-1000 SCFM Air	1-1/2" FNPT
PVF-52	30.0-600 SCFM Air	3" FNPT
PVF-53	40.0-1000 SCFM Air	3" FNPT
PVF-54	70.0-1750 SCFM Air	3" FNPT
PVF-55	100.0-2300 SCFM Air	3" FNPT
PVF-56	150.0-3500 SCFM Air	3" FNPT
PVF-57	40.0-1000 SCFM Air	4" FNPT
PVF-58	70.0-1750 SCFM Air	4" FNPT
PVF-59	100.0-2300 SCFM Air	4" FNPT
PVF-60	150.0-3500 SCFM Air	4" FNPT
PVF-61	150.0-4000 SCFM Air	4" FNPT
PVF-62	200.0-5000 SCFM Air	4" FNPT

Note: For optional flange connections contact the factory.

## OPERATING LIMITS FOR SERIES PVF FLOWMETERS

Maximum Non-Shock Working Pressure, PSIG @ °F (bar @ °C)								
Body Size and Description	70°F (21°C)	80°F (26°C)	100°F (37°C)	120°F (48°C)	140°F (60°C)	160°F (71°C)	180°F (82°C)	210°F (98°C)
3/4" PVC-NPT connection	250 (17)	255 (15)	150 (10)	90 (6)	50 (3)	N.R.	N.R.	N.R.
1-1/2" PVC-NPT connection	170 (11)	150 (10)	105 (7)	65 (4)	40 (2)	N.R.	N.R.	N.R.
3" and 4" PVC-NPT connection	160 (11)	150 (10)	105 (7)	65 (4)	40 (2)	N.R.	N.R.	N.R.
3/4" PVC-Flange connection	150 (10)	150 (10)	150 (10)	65 (4)	50 (3)	N.R.	N.R.	N.R.
1-1/2" PVC-Flange connection	150 (10)	150 (10)	105 (7)	65 (4)	40 (2)	N.R.	N.R.	N.R.
3" and 4" PVC-Flange connection	150 (10)	150 (10)	105 (7)	65 (4)	40 (2)	N.R.	N.R.	N.R.