

# LOW COST ALL-PLASTIC VORTEX METERS

## For Liquids Only with Flows As Low As 0.6 GPM



- ✓ Standard 4 to 20 mA Output for Use with DPF60 Batch and Ratemeters
- ✓ All-Plastic Wetted Parts – Excellent for Use with Low Viscosity Corrosives and Ultra-Pure Liquids
- ✓ Modular Components Easily Replaced in the Field
- ✓ Male NPT Connected – Threads Directly In-Line

**SPECIFICATIONS**  
**Accuracy:** 1% of max. span  
**Repeatability:** 0.25% of rate  
**Temp. Range:** -29 to 60°C (-20° to 140°F)  
**Max. Pressure (temperature and pressure are interrelated):** 150 psi @ 21°C (70°F); 50 psi @ 60°C (140°F)\*  
**Wetted Parts:** PVC standard; CPVC or PVDF on special request  
**Power Supply:** 13 to 30 Vdc (10 V drop through vortex meter)  
**Response Time:** 7.5 sec.  
**Span Adjustment (must have known flowrate or frequency source):** From 10% to 100% of max. span  
**Max. Overrange:** 125% of max. span for ½ hr  
**Output Signal:** linear 4 to 20 mA

OMEGA's FV-600 and FV-500 Series vortex meters operate on the same field-proven vortex shedding principle. The FV-600 can operate on liquids with up to 6 centistoke viscosity; however, the minimum measurable flowrate rises to 50% of max. span. The 4 to 20 mA output is suitable for use with the DPF60 series meter, (see page M-23), as well as with OMEGA'S chart recorders and computer interfaces.

\*Note: System pressure must be high enough to avoid liquid cavitation.

**■ MOST POPULAR MODEL HIGHLIGHTED!**

To Order (Specify Model Number)							
Model No.	Price	Male NPT Threads	Min. Flow (GPM)	Max. Span** (GPM)	Max. Press Drop (PSI)	Weight kg (lb)	Length mm (in)
FV-602	\$1044	¼"	0.6	5	20	0.68 (1.5)	133 (5.25)
FV-606	906	½"	1.3	15	5	0.73 (1.6)	181 (7.13)
FV-607	906	¾"	2.1	25	5	0.77 (1.7)	194 (7.63)
FV-610	906	1"	4.2	50	9	0.82 (1.8)	203 (8.00)
FV-615	1044	1½"	8.3	100	5	1.41 (3.1)	213 (8.38)
FV-620	1182	2"	16.7	200	6	1.23 (2.7)	213 (8.38)

\*Max span GPM = 20 mA; this can be adjusted with field calibration, which can be performed with a frequency source.  
**Ordering Example:** FV-620, 2" male NPT vortex meter with 200 GPM capacity, \$1139.

**Accessories**

Model No.	Price	Description
FW-204	\$250	Reference Book: Consumer Guide to Vortex Shedding and Fluidic Flowmeters





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