



Flow Line Options



SupraFlo™ P-72 Copolymer Flow Meter (Pipe Sizes ½" - 4")

Features & Benefits

- Heavy bodied meters specifically designed for demanding applications including chlorine, hot wet chlorine gas, chlorine dioxide, sodium hydroxide, high pH sodium hypochlorite, and brines.
- Extended flow ranges averaging 25 to 1.
- Depending on the service, wetted materials are P-72 Copolymer with titanium, electroless nickel plated T310 stainless, and teflon internals for maximum corrosion resistance.
- Sight tubes may be glass, polysulfone, or P-72 (again, depending on fluid service).
- Offered in transparent tube models for clear fluids or magnetic indication for opaque fluids.
- Disassembles in minutes without removing the meter from the pipeline (pressure should be relieved and lines drained prior to disassembly).
- Most models can be supplied with Flo-Sentry™ and other MEMFlo options & accessories.

Specifications

Accuracy: ±2% of 100% flow rating.

Repeatability: ±1/2% of indicated flow rate.

Rangeability: 25 to 1 average.

Materials: All wetted parts (except static "O" ring seal) P-72® copolymer are standard. For special service, there are options with internals of titanium (chlorine service), electroless nickel plated T310 stainless (option for caustic), and teflon. P-72, polysulfone, or glass sight tubes can be ordered.

Scales: Standard direct reading (GPM or LPM Liquid, Sp.

Gr. = 1.00 or SCFM @100 psig, 70°F.) or percentage scale. Scales are special corrosion-resistant mylar or polyester materials. Special scales for other flow units or media conditions, are available at extra cost. Scale length is approximately 3.2" for Size 06 meters, 5.2" on Size 12 units.

Pressure Rating: Up to 150 psig for flanged models, or 300 psig, depending on meter type, temperature, and service conditions. Operating limits of P-72 are basically the same as CPVC.

Temperature Rating: Up to 212°F. (pressure ratings decrease at higher temperatures).

Connection: ANSI Flange (Std), socket weld, special connections available upon request.

Table 1: Flow Meter Capacities, GPM Liquid, Sp. Gr. = 1.00

CAPACITY DESIGNATOR 1	FLOW RANGE (GPM LIQUID)2	CONNECTION SIZE 3	OVER-READ FLOW 4	SCALE INCREMENTS5	ΔP, INCHES H2O	
00	0.025-0.54	04 (1/2")	0.58	0.005	5.5	
01	0.04-0.80		0.87	0.01	6.5	
02	0.06-1.20		1.25	0.01	7.5	
03	0.08-1.64		1.78	0.02	7.5	
04	0.10-2.60		06 (3/4")	2.82	0.02	14.2
05	0.15-3.80	4.40		0.05	17.2	
06	0.20-5.40	6.10		0.05	17.2	
07	0.20-7.0	7.90		0.10	22.0	
08	0.20-10.0	12.0		0.10	22.0	
09	0.60-15.0	08 (1")	16.0	0.20	40.0	
10	0.50-20.0		30.0	0.50	75.0	
11	0.50-11.0		12 (1½")	13.0	0.10	13.8
12	0.70-15.0			16.4	0.10	14.8
13	1.00-25.0			28.0	0.20	17.5
14	0.50-35.0	40.0		0.25	18.5	
15	1.00-50.0	60.0		0.50	26.0	
16	2.00-70.0	16 (2")	75.0	0.50	80.0	
17	4.00-120		130.0	1.00	130.0	
18	2.00-50.0		24 (3")	60.0	0.50	15.0
19	4.00-100			120.0	1.00	30.0
20	7.00-150			175.0	1.00	40.0
21	10.0-200	240.0		2.00	54.0	
22	15.0-300	330.0		2.50	150.0	
23	4.00-100	32 (4")	120.0	1.00	27.0	
24	7.00-150		175.0	1.00	36.0	
25	10.0-200		240.0	2.00	49.0	
26	15.0-300		330.0	2.50	53.0	
27	15.0-400		450.0	5.00	78.0	
28	20.0-500		600.0	5.00	145.0	

Table 2: Flow Meter Capacities, SCFM Gas, @ 100 PSIG, 70°F.

CAPACITY DESIGNATOR 1	FLOW RANGE (SCFM GAS)2	CONNECTION SIZE 3	OVER-READ FLOW4	SCALE INCREMENTS5	ΔP, INCHES H2O	
00	0.30-7.40	04 (1/2")	8.90	0.10	1.5	
01	0.50-10.2		10.90	0.10	2.5	
02	1.00-20.0		23.0	0.25	3.3	
03	1.00-26.0		28.0	0.50	3.4	
04	1.00-35.0		06 (3/4")	39.0	0.50	4.0
05	2.00-50.0	55.0		0.50	4.5	
06	3.00-70.0	75.0		1.00	11.8	
07	4.00-85.0	110.0		1.00	18.0	
08	6.00-125	08 (1")		140.0	1.00	22.0
09	6.00-160		180.0	2.00	45.0	
10	4.00-260		290.0	2.00	93.0	
11	2.00-40.0		12 (1½")	43.0	0.50	1.4
12	3.00-70.0			75.0	0.50	4.2
13	4.00-100	110.0		1.00	7.6	
14	5.00-140	168.0		1.00	7.8	
15	5.00-175	210.0		1.00	7.6	
16	6.00-250	320.0		2.00	7.5	
17	2.0-310	16 (2")	350.0	2.00	12.0	
18	7.50-390		470.0	2.50	22.0	
19	10.0-510		610.0	5.00	40.0	
20	35.0-750		900.0	5.00	70.0	
21	20.0-1000		1200.0	5.00	90.0	
22	30.0-600	24 (3")	630.0	5.00	15.0	
23	40.0-1000		1200.0	10.0	30.0	
24	70.0-1750		2000.0	10.0	40.0	
25	100.0-2300		3500.0	20.0	54.0	
26	150.0-3500		3700.0	25.0	150.0	
27	40.0-1000	32 (4")	1200.0	10.0	27.0	
28	70.0-1750		2000.0	10.0	36.0	
29	100.0-2300		2500.0	20.0	49.0	
30	150.0-3500		3700.0	25.0	53.0	
31	200.0-5000		6000.0	50.0	145.0	

**See Capacity Limit Notes - Page 3

Capacity Limit Notes:

- 1 This value designates flow range in the model number.
- 2 This range represent the meter's flow range (Min-Max). Accuracy & turndown statements are based on the full scale value.
- 3 Based on standard connection ports. Standard pipe adapters may be used to adapt meters to other pipe sizes without affecting accuracy.
- 4 The over-read section of the scale is at reduced resolution, and meters are not calibrated in this zone.
- 5 These are minimum values, and larger increments may be used toward the top end of the scale on some models.

Flo-Corp Model Number Builder

MFP72- - - -

Service (1)

L) Liquid
G) Gas

Flow Internals

A) P-72 Copolymer
N) P-72 Copolymer w/ Nickel Plated T-316 SS

Sight Tube Material

A) P-72 Copolymer
U) Polysulfone
G) Armored Glass

Capacity Designator (2)

	GPM Liquid	SCFM Gas*
00)	0.025 -0.54	0.3 - 7.4
01)	0.04 - 0.8	0.5 - 10.2
02)	0.06 - 1.2	1 - 20
03)	0.08 - 1.64	1 - 26
04)	0.1 - 2.6	1 - 35
05)	0.15 - 3.8	2 - 50
06)	0.2 - 5.4	3 - 70
07)	0.2 - 7	4 - 85
08)	0.2 - 10	6 - 125
09)	0.6 - 15	6 - 160
10)	0.5 - 20	4 - 260
11)	0.5 - 11	2 - 40
12)	0.7 - 15	3 - 70
13)	1 - 25	4 - 100
14)	0.5 - 35	5 - 140
15)	1 - 50	5 - 175
16)	2 - 70	6 - 250
17)	4 - 120	2 - 310
18)	2 - 50	7.5 - 390
19)	4 - 100	10 - 510
20)	7 - 150	35 - 750
21)	10 - 200	20 - 1000
22)	15 - 300	30 - 600
23)	4 - 100	40 - 1000
24)	7 - 150	70 - 1750
25)	10 - 200	100 - 2300
26)	15 - 300	150 - 3500
27)	15 - 400	40 - 1000
28)	20 - 500	70 - 1750
29)		100 - 2300
30)		150 - 3500
31)		200 - 5000

Note: Match color with connection size.

Connection Size (3)

04) 1/2"
06) 3/4"
08) 1"
12) 1 1/2"
16) 2"
24) 3"
32) 4"

Connection Type (4)

F) ANSI 150lb Flange
W) Socket Weld
X) Special Connection

Scaling Options (5)

C) Corrosion Resistant Mylar
P) Percent of Flow
M) Multiple Scales
X) Other

O-Ring Material

D) EPDM
B) Buna-N
E) EPR (Ethylene Propylene)
N) Neoprene
S) Silicone
V) Viton
T) Teflon

Additional Options

N) None
C) 1% Calibration
M) Panel Mount Kit
BT) Teflon Buffer

Ordering Notes

- 1) Select the best configuration based on your requirements.
- 2) This device is not intended for AIR service. Consult factory for specialty gas sizing.
- 3) Connection Size is based on Capacity - Colors must match to ensure compatibility.
- 4) If you require a Special Connection (X), please consult factory with your requirements.
- 5) For digital or custom scaling, select Other (X) and note the following requirements:
Digital Display: Requires MFT Two-Wire Transmitter (See MFT)
Custom Scale: Requires Flow Application (Consult Factory)