These compact, durable units are injection molded of heat and chemical resistant Polysulfone.

They feature Quik Loc (half union) connectors that couple the meter body to the pipe connectors at each end of the flow meter.



6B01 FEATURES

- ✓ Tough Polysulfone Meter Body Resists High Temperatures and Pressures.
- ✓ Compact Size for Tight Installation Spaces.
- ✓ Easy to Read Direct Reading Dual Scale (GPM/LPM) 2" (50mm) Scale Length Approximate.
- ✓ In-Line or Panel Mount Configurations Available.
- ✓ Optional Integral Flow Adjustment Valve.
- ✓ Standard Models #316 Stainless Steel Guide Rods
- ✓ Standard Models #316 Stainless Steel, PTFE Float.
- ✓ Union Connections for Easy Installation and Maintenance.

SPECIFICATIONS FOR 6B01

FULL SCALE ACCURACY: MAXIMUM PRESSURE DROP: METER BODY MATERIAL: ADAPTER MATERIAL: FLOAT: **GUIDE ROD MATERIAL: O-RING SEALS: CALIBRATION FLUID: APPROX. SHIPPING WEIGHT:**

+/- 4%. MAXIMUM WORKING PRESSURE: 175 psig (12 bar) @ 70 °F (21 °C). MAXIMUM FLUID TEMPERATURE: STANDARD UNITS: 212 °F (100 °C) @ 0 PSI. 2 psi. Polysulfone. Polysulfone (Optional Brass). 316 SS, PVDF or PTFE. 316 SS (Varies per Model). FKM. Water, Specific Gravity 1.0. 0.5 lb (0.23 kg).

The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.

TABLE 1, MODEL 6B01 IN-LINE FLOW METERS					
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT	
		GPM/LPM of WATER			
6B0100-01C	3/8" MNPT	0.025.0.250.CDM 0.1.1.0.DM	PVDF		
6B0100-01D	1/2" MNPT	0.025-0.250 GPM, 0.1-1.0 LPM	PVDF		
6B0100-02C	3/8" MNPT				
6B0100-02D	1/2" MNPT	0.1-1.0 GPM, 0.4-4.0 LPM		6 3/16"	
6B0100-03C	3/8" MNPT	0.2-2.0 GPM, 0.8-8.0 LPM			
6B0100-03D	1/2" MNPT	0.2-2.0 GPIVI, 0.0-8.0 LPIVI	316 SS		
6B0100-04C	3/8" MNPT	0.5-5.0 GPM, 1.8-18.0 LPM	310 33		
6B0100-04D	1/2" MNPT	0.5-5.0 GPIVI, 1.8-18.0 LPIVI			
6B0100-05D	1/2" MNPT	1.0-10 GPM, 5.0-37.5 LPM		7 1/2"	
6B0100-05E	3/4" MNPT	1.0-10 GPW, 5.0-37.5 LPW		/ 1/2	
		GPH / LPH of WATER			
6B0100-06C	3/8" MNPT		DTEE		
6B0100-06D	1/2" MNPT	3.0-30 GPH, 10-110 LPH	PTFE	6.0/16"	
6B0100-07C	3/8" MNPT		316 SS	6 3/16"	
6B0100-07D	1/2" MNPT	5.0-60 GPH, 20-220 LPH	310 33		

TABLE 1-1, MODEL 6B01 PANEL MOUNT FLOW METERS					
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT CENTER - CENTER	
		GPM/LPM of WATER			
6B0101-01C	3/8" MNPT		PVDF		
6B0101-01D	1/2" MNPT	0.025-0.250 GPM, 0.1-1.0 LPM	PVDF		
6B0101-02C	3/8" MNPT			5-15/16"	
6B0101-02D	1/2" MNPT	0.1-1.0 GPM, 0.4-4.0 LPM			
6B0101-03C	3/8" MNPT	0.2 - 2.0 GPM, 0.8-8.0 LPM		J-13/10	
6B0101-03D	1/2" MNPT		316 SS		
6B0101-04C	3/8" MNPT	0.5-5.0 GPM, 1.8-18 LPM	310 33		
6B0101-04D	1/2" MNPT	0.5-5.0 GFIM, 1.6-18 EFIM			
6B0101-05D	1/2" MNPT	1.0-10 GPM, 5.0-37.5 LPM		6-13/16"	
6B0101-05E	3/4" MNPT	1.0-10 GFM, 5.0-57.5 EFM		0-13/10	
		GPH / LPH of WATER			
6B0101-06C	3/8" MNPT		DTEE		
6B0101-06D	1/2" MNPT	3.0-30 GPH, 10-110 LPH	PTFE	E 1E/10"	
6B0101-07C	3/8" MNPT		316 SS	5-15/16"	
6B0101-07D	1/2" MNPT	5.0-60 GPH, 20-220 LPH	310 33		

TABLE 1-2, MODEL 6B01 PANEL MOUNT FLOW METERS WITH ADJUSTABLE NEEDLE VALVE					
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT CENTER - CENTER	
		GPM/LPM of WATER			
6B0102-01C	3/8" MNPT		PVDF		
6B0102-01D	1/2" MNPT	0.025-0.250 GPM, 0.1-1.0 LPM	PVDF		
6B0102-02C	3/8" MNPT				
6B0102-02D	1/2" MNPT	0.1-1.0 GPM, 0.4-4.0 LPM	316 SS	6"	
6B0102-03C	3/8" MNPT	0.2-2.0 GPM, 0.8-8.0 LPM			
6B0102-03D	1/2" MNPT	0.2-2.0 GFW, 0.8-8.0 EFW			
6B0102-04C	3/8" MNPT	0.5-5.0 GPM, 1.8-18 LPM	310 33		
6B0102-04D	1/2" MNPT	0.5-5.0 GFMI, 1.6-18 LFM			
6B0102-05D	1/2" MNPT	1.0-10 GPM, 5.0-37.5 LPM		6 13/16"	
6B0102-05E	3/4" MNPT	1.0-10 GFW, 3.0-37.3 EFW		0 13/10	
		GPH / LPH of WATER			
6B0102-06C	3/8" MNPT		PTFE		
6B0102-06D	1/2" MNPT	3.0 - 30 GPH, 10-110 LPH	PIFE	6"	
6B0102-07C	3/8" MNPT	5.0 - 60 GPH, 20-220 LPH	316 SS	O	
6B0102-07D	1/2" MNPT	5.0 - 00 GFH, 20-220 LFH	310 33		

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The **6B03** High Volume In-line series flow meters offer excellent accuracy and repeatability, combined with a durable injection molded Polysulfone meter body and connectors and #316 Stainless Steel internal parts.

Half unions couple the meter body to the connectors at each end of the flow meter.

This configuration facilitates both installation and maintenance.

6B03 FEATURES

- ✓ Economical.
- ✓ Tough Polysulfone Meter Body Resists High Temperatures Pressures.
- ✓ Easy to Read Direct Reading Dual Scale (GPM/LPM).
- ✓ In-Line or Panel Mount Configurations Available. 1" and 1-1/2" FNPT
- ✓ Adapters with In-line Units, 1" MNPT Adapters with Panel Mount Units.
- ✓ Standard Models #316 Stainless Steel Guide Rods.
- ✓ Standard Models #316 Stainless Steel or PTFE Floats
- ✓ Not Recommended for Direct Sunlight Applications.

6B0301-04F

6B0301-05F

1" MNPT

1" MNPT

It's tough to beat the quality and economy of the 6B03 series Flow Meter

TABLE 2,	TABLE 2, MODEL 6B03 HIGH VOLUME IN-LINE FLOW METERS						
MODEL NO.	ADAPTER SIZE	ELOW BANGE		HEIGHT			
ST	STANDARD MODELS FOR LIQUID (GPM/LPM of WATER)						
6B0300-01F	1" FNPT	0.5-6.0 GPM, 2.0-22 LPM	PTFE				
6B0300-02F	1" FNPT	1.0-10 GPM, 4.0-40 LPM					
6B0300-03F	1" FNPT	2.0-20 GPM, 6.0-76 LPM		14 1/2"			
6B0300-04F	1" FNPT	3.0-30 GPM, 10-110 LPM	316 SS				
6B0300-05F	1" FNPT	4.0-40 GPM, 15-155 LPM					

TABLE 2-1, MODEL 6B03 HIGH VOLUME PANEL MOUNT FLOW METERS						
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT CENTER - CENTER		
ST/	ANDARD MOI	DELS FOR LIQUID (GPM/LPM of W	ATER)			
6B0301-01F	1" FNPT	0.5-6.0 GPM, 2.0-22 LPM	PTFE			
6B0301-02F	1" MNPT	1.0-10 GPM, 4.0-40 LPM				
6B0301-03F	1" MNPT	2.0-20 GPM, 6.0-76 LPM	010.00	15"		
00001 045			316 SS	I I		

3.0-30 GPM, 10-110 LPM

4.0-40 GPM, 15-155 LPM

TABLE 2-2, MODEL 6B03 HIGH VOLUME IN-LINE FLOW METERS Equipped with 1-1/2" PVC Adapters					
MODEL ADAPTER NO. SIZE FLOW RANGE FLOAT HEIGHT					
ST	ANDARD MOI	DELS FOR LIQUID (GPM/LPM of W/	ATER)		
6B0305-01H	1 1/2" FNPT	0.5-6.0 GPM, 2.0-22 LPM	PTFE		
6B0305-02H	1 1/2" FNPT	1.0-10 GPM, 4.0-40 LPM			
6B0305-03H	1 1/2" FNPT	2.0-20 GPM, 6.0-76 LPM	010.00	14-1/2"	
6B0305-04H	1 1/2" FNPT	3.0-30 GPM, 10-110 LPM	316 SS		
6B0305-05H	1 1/2" FNPT	4.0-40 GPM, 15-155 LPM			

In-Line Series Flow Meter

LPM

18

12

10

SPECIFICATIONS FOR 6B03

FULL SCALE ACCURACY: ±3% MAXIMUM WORKING PRESSURE: 150 psig (10.3 bar) @ 70 °F (21 °C). MAXIMUM FLUID TEMPERATURE: UNITS WITH 1" POLYSULFONE ADAPTERS: 212 °F (100 °C) @ 0 PSI. UNITS WITH 1-1/2" PVC ADAPTERS: 130 °F (54 °C) @ 0 PSI. MAXIMUM PRESSURE DROP: 2 PSI. METER BODY MATERIAL: Polysulfone. ADAPTER MATERIAL: Standard Models: 1" Pipe: Polysulfone. 1-1/2" Pipe: PVC. **GUIDE ROD MATERIAL:** 316 SS. FLOAT: 316 SS OR PTFE (Varies by Model). **O-RING SEALS:** FKM. CALIBRATION FLUID: Water, Specific Gravity 1.0. APPROX. SHIPPING WEIGHT: 3.0 LBS. (1.36 KG).

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The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.

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Prices are subject to change without notice.

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Series 6B04 Flow Meter



High Volume In-Line Flow Meter

For high volume flow measurements at low pressure losses, injection molded Hi-low "In-line" flow meters offers features of glass and metal flow meters at a fraction of their cost. These uniquely designed flow meters incorporate 2" FNPT connections, convenient "half unions" that couple the meter body to the connections, #316 stainless steel internal parts and FKM O-rings. Hi-Flow flow meters render excellent accuracies and repeatability and are virtually maintenance free.

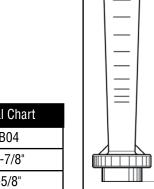
6B04 FEATURES

- ✓ Polysulfone Meter Body Resists High Temperatures and Pressures.
- ✓ Easy to Read Direct Reading Dual Scales (GPM/LPM).
- ✓ Scale Length: 8" (200mm).
- ✓ Adapters and Unions Engineered for Increased Protection from Misalignment and Vibration.
- ✓ Standard Models #316 Stainless Steel Guide Rods.
- ✓ Standard Models #316 Stainless Steel or PTFE Floats.
- ✓ Very Low Pressure Drop.
- ✓ Not Recommended for Direct Sunlight Applications.

RECENT ENHANCEMENTS

- ✓ Increased Thread Count.
- ✓ Larger Half Union.
- ✓ Longer Scale Length.
- ✓ 15% Increased Pressure Rating.
- ✓ 33% Increased Temperature Rating.

Better Protection Against Misalignment and Vibration



ШТ

В

А

6B04 Dimensional Chart				
Letter	6B04			
А	18-7/8"			
B 4-5/8"				

SPECIFIC	ATIONS	FOR	6 B 04
JFLCIII	AIIONJ	IOK	

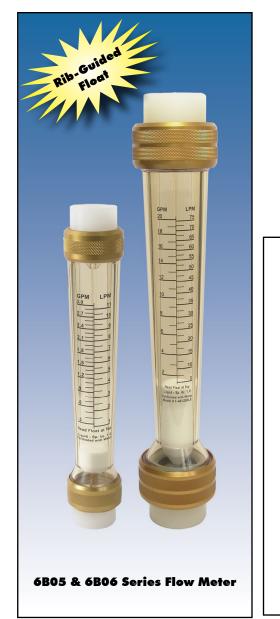
FULL SCALE ACCURACY: MAX. WORKING PRESSURE: MAXIMUM PRESSURE DROP: MAXIMUM PRESSURE DROP: METER BODY MATERIAL: ADAPTERS MATERIAL: FLOAT: UNION NUTS: GUIDE ROD HOLDER: GUIDE ROD HOLDER: GUIDE ROD MATERIAL: FLOAT: O-RING SEALS: CALIBRATION FLUID: APPROX. SHIPPING WEIGHT: ±2%.
150 PSIG (10.3 BAR) @ 70 °F (21 °C).
200 °F (93.3 °C) @ 0 PSI.
2 PSI.
Polysulfone.
Polysulfone.
316 SS or PTFE (Varies per Model).
Fiber Reinforced Nylon (Non-Wetted).
Polysulfone.
316 SS or PTFE (Varies by model).
FKM (EPDM Optional).
Water, Specific Gravity 1.0.
5 lbs. (2.27 KG).

Custo

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The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.

TABLE	TABLE 3, MODEL 6B04 HIGH VOLUME IN-LINE FLOW METERS					
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT		
ST	ANDARD MO	DELS FOR LIQUID (GPM/LPM of V	NATER)			
6B0400-01I	2" FNPT	2.0-20 GPM, 8.0-78 LPM	PTFE			
6B0400-02I	2" FNPT	6.0-60 GPM, 30-230 LPM				
6B0400-03I	2" FNPT	8.0-80 GPM, 40-300 LPM		18 7/8"		
6B0400-04I	2" FNPT	6.0-100 GPM, 20-380 LPM	316 SS	10 //0		
6B0400-05I	2" FNPT	20-130 GPM, 80-500 LPM				
6B0400-06I	2" FNPT	25-175 GPM, 100-675 LPM				



6B05 and 6B06 Dimensional Chart				
Letter	6B05 6B06			
А	10"	15"		
В	1-3/4"	2-3/4"		

TABLE 4-1, MODEL 6B06 FOR LIQUID Equipped with 1" FNPT PVC & PVDF ADAPTERS				
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	
	PVC	ADAPTERS		
6B0600-01F	1" FNPT	1.0-10 GPM, 4.0-40 LPM		
6B0600-02F	1" FNPT	2.0-20 GPM, 5.0-75 LPM	PTFE	
6B0600-03F	1" FNPT	3.0-35 GPM, 12-130 LPM		
	PVD	F ADAPTERS		
6B0601-01F	1" FNPT	1.0-10 GPM, 4.0-40 LPM		
6B0601-02F	1" FNPT	2.0-20 GPM, 5.0-75 LPM	PTFE	
6B0601-03F	1" FNPT	3.0-35 GPM, 12-130 LPM		

POLYSULFONE FLOW METERS

Ideal For Corrosive Environments

The **6B05** series flow meter's rib guided polysulfone contains no metal in the fluid path. This makes the flow meter desirable in highly corrosive environments or deionized water applications.

6B05 AND 6B06 FEATURES

- ✓ Tough Polysulfone Meter Body Resists High Temperatures and Pressures.
- \checkmark No Metal in Fluid Path.
- ✓ Easy to Read Direct Reading Dual Scales (GPM/LPM). 6B05 Scale Length: 4" (100mm).
 - 6B06 Scale Length: 5" (127mm).
- ✓ Ideal for Corrosive Environments such as Deionized Water Applications where Plastic Meters are Desirable.
- ✓ PTFE Float and Optional Polysulfone, Polypropylene or PVDF Adapters for Corrosive Applications.
- ✓ Very Low Pressure Drop.
- ✓ Not Recommended for Direct Sunlight Applications.

TABLE 4, MODEL 6B05 FOR LIQUID Equipped with FNPT PVC & PVDF Adapters				
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	
	PVC	ADAPTERS		
6B0500-01D	1/2" FNPT	0.1-1.2 GPM, 0.4-4.4 LPM		
6B0500-01E	3/4" FNPT	0.1-1.2 GPM, 0.4-4.4 LPM		
6B0500-02D	1/2" FNPT	0.2-2.0 GPM, 0.8-8.0 LPM		
6B0500-02E	3/4" FNPT	0.2-2.0 GPM, 0.8-8.0 LPM	PTFE	
6B0500-03D	1/2" FNPT	0.3-3.0 GPM, 1.0-11 LPM		
6B0500-03E	3/4" FNPT	0.3-3.0 GPM, 1.0-11 LPM		
6B0500-04D	1/2" FNPT	0.5-5.0 GPM, 2.0-20 LPM		
6B0500-04E	3/4" FNPT	0.5-5.0 GPM, 2.0-20 LPM		
	PVD	F ADAPTERS		
6B0501-01D	1/2" FNPT	0.1-1.2 GPM, 0.4-4.4 LPM		
6B0501-01E	3/4" FNPT	0.1-1.2 GPM, 0.4-4.4 LPM		
6B0501-02D	1/2" FNPT	0.2-2.0 GPM, 0.8-8.0 LPM		
6B0501-02E	3/4" FNPT	0.2-2.0 GPM, 0.8-8.0 LPM	PTFF	
6B0501-03D	1/2" FNPT	0.3-3.0 GPM, 1.0-11 LPM	PIFE	
6B0501-03E	3/4" FNPT	0.3-3.0 GPM, 1.0-11 LPM		
6B0501-04D	1/2" FNPT	0.5-5.0 GPM, 2.0-20 LPM]	
6B0501-04E	3/4" FNPT	0.5-5.0 GPM, 2.0-20 LPM		

SPECIFICATIONS FOR 6B05 AND 6B06

FULL SCALE ACCURACY: Maximum Working Pressure: Maximum Fluid Temperature:

MAXIMUM PRESSURE DROP: METER BODY MATERIAL: ADAPTER MATERIAL: O-RING SEALS: CALIBRATION FLUID: APPROXIMATE SHIPPING WEIGHT: ±2.5%. 150 PSIG (10.3 BAR) @ 70 °F (21 °C). PVC ADAPTERS: 130 °F (54 °C) @ 0 PSI. POLYSULFONE ADAPTERS: 150 °F (65 °C) @ 0 PSI. 2 PVDF ADAPTERS: 210 °F (98 °C) @ 0 PSI. 2 PSI. Polysulfone. PVC. 0PTIONAL: Polypropylene & PVDF. FKM. 0PTIONAL: EP Available. Water, Specific Gravity 1.0. 6805: 1 LBS. (.45 KG.) 6806: 3 LBS. (1.4 KG.)

The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.

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4

6B07 FEATURES

- ✓ Tough Polysulfone Meter Body Resists High Temperatures and Pressures.
- ✓ Precisely Engineered Float Guide Ribs.
- ✓ No Metal in Fluid Path.
- Easy to Read Direct Reading Dual Scales (GPM/LPM).
- ✓ Scale Length: 8" (200mm).
- ✓ Ideal for Corrosive Environments such as Deionized
- ✓ Water or Applications where Plastic Meters are Desirable.
- PTFE Float and Optional Polysulfone, Polypropylene or PVDF Adapters for Corrosive Applications.
- ✓ Very Low Pressure Drop.
- ✓ Not Recommended for Direct Sunlight Applications.

TABLE 5, MODEL 6B07 FOR LIQUID WITH 2" FNPT ADAPTERS				
MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT
6B0700-01I		2.0-20 GPM, 8.0-80 LPM		
6B0700-02I	2" FNPT	5.0-50 GPM, 20-200 LPM	PTFE	18 7/8"
6B0700-03I		8.0-80 GPM, 30-300 LPM		

SPECIFICATIONS FOR 6B07

FULL SCALE ACCURACY: MAXIMUM WORKING PRESSURE: MAXIMUM FLUID TEMPERATURE: MAXIMUM PRESSURE DROP: METER BODY MATERIAL: ADAPTER MATERIAL:

150 PSIG (10.3 BAR) @ 70 °F (21 °C). 150 °F (65 °C) @ 0 PSI. 2 PSI. Polysulfone. Polysulfone **0PTIONAL:** Polypropylene & PVDF. FKM. **0PTIONAL:** EP Available. Water, Specific Gravity 1.0.

CALIBRATION FLUID: APPROX. SHIPPING WEIGHT:

O-RING SEALS:

. SHIPPING WEIGHT: 5 lbs. (2.27 KG). The selection of materials of construction, is the responsibility of the customer. The company accepts no liability.

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