

ACRYLIC FLOW METERS

6B51 AND 6B61 FEATURES

- ✓ Tough Machined Acrylic Meter Body, Highly Polished Clear Finish.
- ✓ Easy to Read Direct Reading Dual Scale (GPM/LPM).
- Scale Length:** 4" (100mm) for 6B41.
- Scale Length:** 5" (127mm) for 6B42 and 6B43.
- ✓ White Back Reflector for Easy Reading.
- ✓ **6B51:** 1" F/NPT or 1-1/2" MNPT Adapters.
- ✓ **6B61:** 1-1/2" or 2" FNPT Adapters.
- ✓ High Grade FKM O-Rings Seals.
- ✓ Standard Models #316 Stainless Steel or PVC Float (Optional Hastelloy® C-276).
- ✓ Standard Models #316 Stainless Steel Float Guide Rods (Optional Hastelloy® C-276).
- ✓ Acceptable in Direct Sunlight Applications.



Series 6B51 and 6B61 Flow Meters

Series 6B51



Series 6B61



TABLE 14-1, MODEL 6B51 HIGH VOLUME IN-LINE ACRYLIC FLOW METERS WITH PVC ADAPTERS AND HASTELLOY FLOATS

MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT
STANDARD MODELS FOR LIQUID (GPM/LPM of WATER)				
6B5101-01F	1" FNPT	5.0-25 GPM, 20-100 LPM	HASTELLOY	12"
6B5101-01H	1 1/2" MNPT			
6B5101-02F	1" FNPT	8.0-40 GPM, 30-150 LPM		
6B5101-02H	1 1/2" MNPT			
6B5101-03F	1" FNPT	10-50 GPM, 40-200 LPM		
6B5101-03H	1 1/2" MNPT			

TABLE 14-2, MODEL 6B61 HIGH CAPACITY ACRYLIC FLOW METERS

MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT
STANDARD MODELS FOR LIQUID (GPM/LPM of WATER)				
6B6100-01H	1 1/2" FNPT	4.0-40 GPM, 15-150 LPM	316 SS	14"
6B6100-01I	2" FNPT			
6B6100-02H	1 1/2" FNPT	6.0-60 GPM, 20-230 LPM		
6B6100-02I	2" FNPT			
6B6100-03H	1 1/2" FNPT	8.0-80 GPM, 30-300 LPM		
6B6100-03I	2" FNPT			
6B6100-04H	1 1/2" FNPT	20-100 GPM, 75-375 LPM		
6B6100-04I	2" FNPT			

TABLE 14-3, MODEL 6B61 HIGH CAPACITY ACRYLIC FLOW METERS WITH PVC ADAPTERS AND HASTELLOY FLOATS

MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT
STANDARD MODELS FOR LIQUID (GPM/LPM of WATER)				
6B6100-01H	1 1/2" FNPT	4.0-40 GPM, 15-150 LPM	HASTELLOY	14"
6B6100-01I	2" FNPT			
6B6100-02H	1 1/2" FNPT	6.0-60 GPM, 20-230 LPM		
6B6100-02I	2" FNPT			
6B6100-03H	1 1/2" FNPT	8.0-80 GPM, 30-300 LPM		
6B6100-03I	2" FNPT			
6B6100-04H	1 1/2" FNPT	20-100 GPM, 75-375 LPM		
6B6100-04I	2" FNPT			

TABLE 14, MODEL 6B51 HIGH VOLUME IN-LINE ACRYLIC FLOW METERS

MODEL NO.	ADAPTER SIZE	FLOW RANGE	FLOAT	HEIGHT
STANDARD MODELS FOR LIQUID (GPM/LPM of WATER)				
6B5100-01F	1" FNPT	5.0-25 GPM, 20-100 LPM	316 SS	12"
6B5100-01H	1 1/2" MNPT			
6B5100-02F	1" FNPT	8.0-40 GPM, 30-150 LPM		
6B5100-02H	1 1/2" MNPT			
6B5100-03F	1" FNPT	10-50 GPM, 40-200 LPM		
6B5100-03H	1 1/2" MNPT			

Dimensional Chart 6B51 and 6B61		
Letter	6B51	6B61
A	12"	14"
B	2"	3"

SPECIFICATIONS FOR 6B51 AND 6B61

FULL SCALE ACCURACY:	±5%.
MAXIMUM WORKING PRESSURE:	130 psig (8.9 bar) @ 70 °F (21 °C).
MAXIMUM FLUID TEMPERATURE:	130 °F (54 °C) @ 0 PSI.
MAXIMUM PRESSURE DROP:	2 PSI.
METER BODY MATERIAL:	Cast Acrylic Rod.
ADAPTER MATERIAL:	PVC.
O-RING SEALS:	FKM.
GUIDE ROD HOLDER:	Polysulfone.
GUIDE ROD:	316 SS (Optional Hastelloy).
CALIBRATION FLUID:	Water, Specific Gravity 1.0.
APPROXIMATE SHIPPING WEIGHT:	6B51 2 lbs. (.91 KG). 6B61 6 lbs. (2.7 KG).

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