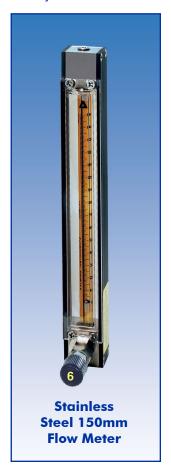
## ROTAMETERS

## Please see the following pages for more information on Variable Area Flow Meters

- Rib-guided or fluted metering tubes facilitate stable, accurate readings.
- Magnifier lens in front shield enhances reading resolution.
- Easy-to-install flow tubes.

 "Non-rotating" adapter feature glass flow tubes are prevented from turning during the tightening phase of the assembly procedure.



## **Single Tube Glass Flow Meters**

Designed for low flow rates, these single tube flow meters are precision instruments embodying the inherent simplicity, versatility and economy of the classical variable area meter. They are particularly suitable for metering carrier gases in chromatography, in manufacturing processes, liquid and gas measurements in laboratories, pilot plants, flow and level indicating and controlling gases.

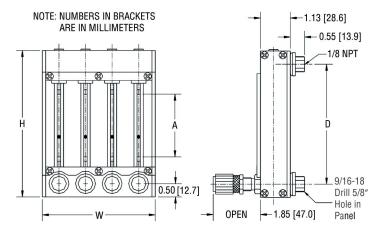
Shipped completely assembled, flow meters include standard mounting fittings in a choice of materials, side plates, thick protective front shield and back plate, with or without control valves.

## **Single Tube PTFE Glass Flow Meters**

The PTFE glass flow meter is designed for use with corrosive gases and liquids and for applications where contamination free flow passages are required. Fluids contact only PTFE, PCTFE and borosilicate glass.

The unique design combines the rigidity of an aluminum structural frame with the desirable chemical inertness of PTFE components. Uses standard 65mm and 150mm flow tubes. Meters are equipped with built-in PTFE needle valves with Kel-F® valve spindles. Valves may be positioned either at inlet or outlet side of flow meter.





DIMENSIONS FOR P STYLE METERS									
SCALE LENGTH (A)	ALL F	METERS	WIDTH (W)						
	HEIGHT (H)	CENTER TO CENTER (D)	1 TUBE	2 TUBE	3 TUBE	4 TUBE	5 TUBE	6 TUBE	
65mm	5.500	4.500	1.250	2.250	3.250	4.250	5.250	6.250	
150mm	9.813	8.813	1.250	2.250	3.250	4.250	5.250	6.250	

#### SPECIFICATIONS FOR SINGLE TUBE FLOW METERS

**USEFUL FLOW RANGE:** 10:1 minimum with one float and better than 20:1 with combination of two floats installed in meters.

STANDARD ACCURACY: ±2% of full scale (mm), 5% of full scale

(direct reading).

CALIBRATED ACCURACY: ±1% of full scale.

REPEATABILITY: ±0.25%.

MAX. OPERATION PRESSURE: 200 psig/13.8 bars (PTFE 60 psig/4.13 bars).

MAX. OPERATION TEMPERATURE:

250 °F/121 °C (PTFE 150 °F/66 °C). **FLOW TUBES:** Heavy walled borosilicate glass.

FLOATS: Glass, Sapphire, 316 Stainless Steel, Carboloy®

and Tantalum.

**CHOICE OF MOUNTING FITTINGS IN CONTACT WITH FLUIDS:** 

A) Aluminum, black anodized.B) Brass, chrome plated.C) 316 Stainless Steel.

SIDE PANELS: Aluminum, black anodized.
FRONT SHIELD: Lexan® with longitudinal magnifier lens for

enhanced reading resolution. 1/8" thick white acrylics.

**0-RINGS AND PACKING:** Buna-N® O-rings in aluminum/ brass model.

FKM O-rings in stainless steel meters. **OPTIONAL:** FKM PTFE FFKM and EPR. 1/8" NPT female inlet and outlet connections.

*OPTIONAL:* 1/4" FNPT, hose and compression fittings are available.





**BACK PLATE:** 

CONNECTIONS

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

# Multi-tube Flow Meters also Available!

TABLE 18, MFV™ VALVE FLOW CAPACITIES 10 PSIG (0.7 KG/CM²) INLET PRESSURE, ATMOSPHERIC EXHAUST

(51. 11.6, 51)							
ORIFICE	Al	R	HELI	UM	WATER		
NUMBER	std. mL/min	scfh	std. mL/min	scfh	std. mL/min	scfh	
1	200	0.42	400	0.85	6	0.095	
2	400	0.85	850	1.80	12	0.190	
3	1000	2.12	1800	3.81	26	0.412	
4	2500	4.87	6000	12.71	80	1.268	
5	6200	13.14	16000	33.90	200	3.170	
6	21500	45.55	55000	116.55	650	10.303	



# ROTAMETERS

MFV<sup>™</sup> flow capacities are offered to be matched with individual flow meter ranges



### TABLE 18-1, STANDARD 65MM FLOW METERS WITH HIGH PRECISION VALVE [MFV]

Main	IAD				NO WITH HIGH PRECISION VALVE [MFV]			
Modera	MAXIMUM FLOW RATE				FRAME MATERIAL			
S.8   0.013   S.8   0.013   S.8   GAP0101M6   GAP1101M6   GAP2101M6   GAP102M6   GAP102M6   GAP2102M6   GAP102M6   GAP102M6   GAP2102M6   GAP102M6   GAP2102M6   GAP2103M6   GAP2103M6	AIR		WATER		_	ALUMINUM	BRASS	STAINLESS STEEL
9	mL/min	scfh	mL/min	gph	MATERIAL	MODEL NO.	MODEL NO.	MODEL NO.
19	5.8	0.013			Glass	6AP0101M6	6AP1101M6	6AP2101M6
19         0.036         SAPUIUSIME	9	0.017	NI/A		Sapphire	6AP0102M6	6AP1102M6	6AP2102M6
49         0.104         0.55         0.009         Glass         6AP0105M6         6AP1105M6         6AP2106M6           74         0.153         0.98         0.016         Sapphire         6AP0106M6         6AP1107M6         6AP2107M6           246         0.528         4.60         0.073         Carboloy®         6AP0108M6         6AP1109M6         6AP210M6           107         0.22         1.24         0.019         Glass         6AP0109M6         6AP1109M6         6AP210M6           167         0.35         2.47         0.039         Sapphire         6AP0111M6         6AP1111M6         6AP2110M6           517         1.09         10.58         0.160         Carboloy®         6AP0112M6         6AP111M6         6AP211M6           216         0.46         2.8         0.045         Glass         6AP0113M6         6AP1114M6         6AP211M6           320         0.68         5.3         0.079         Sapphire         6AP0115M6         6AP1114M6         6AP114M6         6AP1114M6         6AP2114M6           826         1.75         19.5         0.302         Carboloy®         6AP011M6         6AP1111M6         6AP211M6           826         1.75         19.5	19	0.036	IV/A			6AP0103M6	6AP1103M6	6AP2103M6
74         0.153         0.98         0.016         Sapphire         6AP0106M6         6AP1106M6         6AP2107M6           145         0.307         2.38         0.038         316 S.S.         6AP0107M6         6AP1108M6         6AP2107M6           246         0.528         4.60         0.073         Carboloy®         6AP0108M6         6AP1108M6         6AP2109M6           107         0.22         1.24         0.019         Glass         6AP0109M6         6AP1109M6         6AP2109M6           167         0.35         2.47         0.039         Sapphire         6AP0110M6         6AP1111M6         6AP2110M6           314         0.66         5.75         0.091         316 S.S.         6AP0113M6         6AP1111M6         6AP2111M6           517         1.09         10.58         0.160         Carboloy®         6AP0113M6         6AP111M6         6AP211M6           320         0.68         5.3         0.079         Sapphire         6AP0113M6         6AP111M6         6AP211M6           320         0.68         5.3         0.079         Sapphire         6AP011M6         6AP111M6         6AP211M6           320         0.68         5.3         0.079         Sapphire	33	0.070			Carboloy®	6AP0104M6	6AP1104M6	6AP2104M6
145	49	0.104	0.55	0.009	Glass	6AP0105M6	6AP1105M6	6AP2105M6
246         0.528         4.60         0.073         Carboloy®         6AP0108M6         6AP1108M6         6AP2108M6           107         0.22         1.24         0.019         Glass         6AP0109M6         6AP1109M6         6AP2109M6           167         0.35         2.47         0.039         Sapphire         6AP0110M6         6AP1110M6         6AP2110M6           314         0.66         5.75         0.091         316 S.S.         6AP0112M6         6AP1112M6         6AP2111M6           517         1.09         10.58         0.160         Carboloy®         6AP0113M6         6AP1113M6         6AP2113M6           320         0.68         5.3         0.079         Sapphire         6AP0113M6         6AP1115M6         6AP2114M6           383         1.14         11.2         0.170         316 S.S.         6AP0115M6         6AP1115M6         6AP2114M6           383         1.29         0.9327         Glass         6AP0118M6         6AP1115M6         6AP2117M6           383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1119M6         6AP2117M6           1036         2.20         20         0.327         Glass         6AP0118M6 <td>74</td> <td>0.153</td> <td>0.98</td> <td>0.016</td> <td>Sapphire</td> <td>6AP0106M6</td> <td>6AP1106M6</td> <td>6AP2106M6</td>	74	0.153	0.98	0.016	Sapphire	6AP0106M6	6AP1106M6	6AP2106M6
107	145	0.307	2.38	0.038	316 S.S.	6AP0107M6	6AP1107M6	6AP2107M6
167	246	0.528	4.60	0.073	Carboloy®	6AP0108M6	6AP1108M6	6AP2108M6
314         0.66         5.75         0.091         316 S.S.         6AP0111M6         6AP111M6         6AP2111M6           517         1.09         10.58         0.160         Carboloy®         6AP0112M6         6AP1112M6         6AP2112M6           216         0.46         2.8         0.045         Glass         6AP0113M6         6AP1113M6         6AP2113M6           320         0.68         5.3         0.079         Sapphire         6AP0114M6         6AP1114M6         6AP2115M6           538         1.14         11.2         0.170         316 S.S.         6AP0115M6         6AP1116M6         6AP2115M6           826         1.75         19.5         0.302         Carboloy®         6AP0115M6         6AP1116M6         6AP2115M6           1036         2.20         20         0.327         Glass         6AP0118M6         6AP1117M6         6AP2119M6           1383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1119M6         6AP2118M6           2088         4.42         57         0.903         316 S.S.         6AP0118M6         6AP112M6         6AP212M6           3007         6.37         89         1.410         Carboloy®	107	0.22	1.24	0.019	Glass	6AP0109M6	6AP1109M6	6AP2109M6
517         1.09         10.58         0.160         Carboloy®         6AP0112M6         6AP1112M6         6AP2112M6           216         0.46         2.8         0.045         Glass         6AP0113M6         6AP1113M6         6AP2113M6           320         0.68         5.3         0.079         Sapphire         6AP0115M6         6AP1114M6         6AP2114M6           538         1.14         11.2         0.170         316 S.S.         6AP0115M6         6AP1116M6         6AP2115M6           826         1.75         19.5         0.302         Carboloy®         6AP0115M6         6AP1116M6         6AP2116M6           1036         2.20         20         0.327         Glass         6AP0118M6         6AP1118M6         6AP211M6           1383         2.93         33         0.523         Sapphire         6AP0119M6         6AP1119M6         6AP2119M6           2088         4.42         57         0.903         316 S.S.         6AP012M6         6AP112M6         6AP2112M6           3007         6.37         89         1.410         Carboloy®         6AP012M6         6AP112M6         6AP212M6           1623         3.44         36.7         0.581         Sapphire	167	0.35	2.47	0.039	Sapphire	6AP0110M6	6AP1110M6	6AP2110M6
216         0.46         2.8         0.045         Glass         6AP0113M6         6AP1113M6         6AP2113M6           320         0.68         5.3         0.079         Sapphire         6AP0114M6         6AP1114M6         6AP2114M6           538         1.14         11.2         0.170         316.S.S.         6AP0115M6         6AP1115M6         6AP2115M6           826         1.75         19.5         0.302         Carboloy®         6AP0116M6         6AP1116M6         6AP2117M6           1036         2.20         20         0.327         Glass         6AP0118M6         6AP1118M6         6AP2117M6           1383         2.93         33         0.523         Sapphire         6AP0119M6         6AP1119M6         6AP2119M6           2088         4.42         57         0.903         316.S.S.         6AP0120M6         6AP1120M6         6AP2120M6           3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1120M6         6AP2120M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316.S.S.	314	0.66	5.75	0.091	316 S.S.	6AP0111M6	6AP1111M6	6AP2111M6
320         0.68         5.3         0.079         Sapphire         6AP0114M6         6AP1114M6         6AP2114M6           538         1.14         11.2         0.170         316 S.S.         6AP0115M6         6AP1115M6         6AP2115M6           826         1.75         19.5         0.302         Carboloy®         6AP0116M6         6AP1116M6         6AP2116M6           1036         2.20         20         0.327         Glass         6AP0117M6         6AP1117M6         6AP2118M6           1383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1119M6         6AP2118M6           2088         4.42         57         0.903         316 S.S.         6AP0119M6         6AP1119M6         6AP2119M6           3007         6.37         89         1.410         Carboloy®         6AP012M6         6AP1120M6         6AP212M6           1249         2.65         25         0.396         Glass         6AP012M6         6AP112M6         6AP212M6           1249         2.65         25         0.396         Glass         6AP012M6         6AP112M6         6AP212M6           2520         5.34         70.7         1.121         316 S.S.         6AP	517	1.09	10.58	0.160	Carboloy®	6AP0112M6	6AP1112M6	6AP2112M6
538         1.14         11.2         0.170         316 S.S.         6AP0115M6         6AP1115M6         6AP2116M6           826         1.75         19.5         0.302         Carboloy®         6AP0116M6         6AP1116M6         6AP2116M6           1036         2.20         20         0.327         Glass         6AP0117M6         6AP1117M6         6AP2117M6           1383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1118M6         6AP2118M6           2088         4.42         57         0.903         316 S.S.         6AP0119M6         6AP1119M6         6AP2120M6           3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1120M6         6AP2120M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1122M6         6AP2122M6           2655         5.62         63.2         0.99         Sapphire         6AP0124M6         6AP1122M6         6AP2124M6           2030         4.3         39.5         0.61         Glass	216	0.46	2.8	0.045	Glass	6AP0113M6	6AP1113M6	6AP2113M6
826         1.75         19.5         0.302         Carboloy®         6AP0116M6         6AP1116M6         6AP2116M6           1036         2.20         20         0.327         Glass         6AP0117M6         6AP1117M6         6AP2117M6           1383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1118M6         6AP2118M6           2088         4.42         57         0.903         316 S.S.         6AP0119M6         6AP1119M6         6AP2119M6           3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1121M6         6AP2120M6           1249         2.65         25         0.396         Glass         6AP0122M6         6AP1122M6         6AP2122M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0122M6         6AP1122M6         6AP2122M6           2030         4.3         39.5         0.61         Glass         6AP0126M6         6AP1125M6         6AP2124M6           2030         4.3         39.5         0.61         Glass <t< td=""><td>320</td><td>0.68</td><td>5.3</td><td>0.079</td><td>Sapphire</td><td>6AP0114M6</td><td>6AP1114M6</td><td>6AP2114M6</td></t<>	320	0.68	5.3	0.079	Sapphire	6AP0114M6	6AP1114M6	6AP2114M6
1036   2.20   20   0.327   Glass   6AP0117M6   6AP1117M6   6AP2117M6     1383   2.93   33   0.523   Sapphire   6AP0118M6   6AP1118M6   6AP2118M6     2088   4.42   57   0.903   316 S.S.   6AP0119M6   6AP1119M6   6AP2119M6     3007   6.37   89   1.410   Carboloy®   6AP0120M6   6AP1120M6   6AP2120M6     1249   2.65   25   0.396   Glass   6AP012M6   6AP1121M6   6AP212M6     1623   3.44   36.7   0.581   Sapphire   6AP0122M6   6AP1122M6   6AP212M6     2520   5.34   70.7   1.121   316 S.S.   6AP013M6   6AP1123M6   6AP212M6     3680   7.80   103.5   1.641   Carboloy®   6AP0124M6   6AP1124M6   6AP2124M6     2030   4.3   39.5   0.61   Glass   6AP0125M6   6AP1125M6   6AP2125M6     2655   5.62   63.2   0.99   Sapphire   6AP0125M6   6AP1126M6   6AP2125M6     4041   8.56   111.7   1.75   316 S.S.   6AP012M6   6AP1128M6   6AP212M6     4041   8.56   111.7   1.75   316 S.S.   6AP0128M6   6AP1128M6   6AP2128M6     4041   8.56   114.7   1.75   316 S.S.   6AP012M6   6AP1128M6   6AP212M6     5769   12.22   172   2.72   Carboloy®   6AP0128M6   6AP1129M6   6AP212M6     4917   10.42   143   2.26   316 S.S.   6AP013M6   6AP113M6   6AP213M6     6318   13.4   147   2.33   Glass   6AP013M6   6AP113M6   6AP213M6     6318   13.4   147   2.35   Sapphire   6AP013M6   6AP113M6   6AP213M6     6318   13.4   147   2.35   Sapphire   6AP013M6   6AP113M6   6AP	538	1.14	11.2	0.170	316 S.S.	6AP0115M6	6AP1115M6	6AP2115M6
1383         2.93         33         0.523         Sapphire         6AP0118M6         6AP1118M6         6AP2118M6           2088         4.42         57         0.903         316 S.S.         6AP0119M6         6AP1119M6         6AP2119M6           3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1120M6         6AP2120M6           1249         2.65         25         0.396         Glass         6AP0121M6         6AP1121M6         6AP2121M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2124M6           3680         7.80         103.5         1.641         Carboloy®         6AP0125M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1127M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.	826	1.75	19.5	0.302	Carboloy®	6AP0116M6	6AP1116M6	6AP2116M6
2088         4.42         57         0.903         316 S.S.         6AP0119M6         6AP1119M6         6AP2119M6           3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1120M6         6AP2120M6           1249         2.65         25         0.396         Glass         6AP0121M6         6AP1121M6         6AP2121M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2123M6           3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0126M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1127M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy® <td>1036</td> <td>2.20</td> <td>20</td> <td>0.327</td> <td>Glass</td> <td>6AP0117M6</td> <td>6AP1117M6</td> <td>6AP2117M6</td>	1036	2.20	20	0.327	Glass	6AP0117M6	6AP1117M6	6AP2117M6
3007         6.37         89         1.410         Carboloy®         6AP0120M6         6AP1120M6         6AP2120M6           1249         2.65         25         0.396         Glass         6AP0121M6         6AP1121M6         6AP2121M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2123M6           3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2128M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           4917         10.42         143         2.26         316 S.S. </td <td>1383</td> <td>2.93</td> <td>33</td> <td>0.523</td> <td>Sapphire</td> <td>6AP0118M6</td> <td>6AP1118M6</td> <td>6AP2118M6</td>	1383	2.93	33	0.523	Sapphire	6AP0118M6	6AP1118M6	6AP2118M6
1249         2.65         25         0.396         Glass         6AP0121M6         6AP1121M6         6AP2121M6           1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2123M6           3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass	2088	4.42	57	0.903	316 S.S.	6AP0119M6	6AP1119M6	6AP2119M6
1623         3.44         36.7         0.581         Sapphire         6AP0122M6         6AP1122M6         6AP2122M6           2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2123M6           3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           8145         17.3         217         3.44         Sapphire<	3007	6.37	89	1.410	Carboloy®	6AP0120M6	6AP1120M6	6AP2120M6
2520         5.34         70.7         1.121         316 S.S.         6AP0123M6         6AP1123M6         6AP2123M6           3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1130M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire	1249	2.65	25	0.396	Glass	6AP0121M6	6AP1121M6	6AP2121M6
3680         7.80         103.5         1.641         Carboloy®         6AP0124M6         6AP1124M6         6AP2124M6           2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2132M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1133M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.	1623	3.44	36.7	0.581	Sapphire	6AP0122M6	6AP1122M6	6AP2122M6
2030         4.3         39.5         0.61         Glass         6AP0125M6         6AP1125M6         6AP2125M6           2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®	2520	5.34	70.7	1.121	316 S.S.	6AP0123M6	6AP1123M6	6AP2123M6
2655         5.62         63.2         0.99         Sapphire         6AP0126M6         6AP1126M6         6AP2126M6           4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1135M6         6AP2135M6           12860         27.2         307         4.86         Glass	3680	7.80	103.5	1.641	Carboloy®	6AP0124M6	6AP1124M6	6AP2124M6
4041         8.56         111.7         1.75         316 S.S.         6AP0127M6         6AP1127M6         6AP2127M6           5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire	2030	4.3	39.5	0.61	Glass	6AP0125M6	6AP1125M6	6AP2125M6
5769         12.22         172         2.72         Carboloy®         6AP0128M6         6AP1128M6         6AP2128M6           2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.	2655	5.62	63.2	0.99	Sapphire	6AP0126M6	6AP1126M6	6AP2126M6
2522         5.35         54.7         0.86         Glass         6AP0129M6         6AP1129M6         6AP2129M6           4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass	4041	8.56	111.7	1.75	316 S.S.	6AP0127M6	6AP1127M6	6AP2127M6
4917         10.42         143         2.26         316 S.S.         6AP0130M6         6AP1130M6         6AP2130M6           6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2139M6           21969         46.5         550         8.71         Glass	5769	12.22	172	2.72	Carboloy®	6AP0128M6	6AP1128M6	6AP2128M6
6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2139M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire	2522	5.35	54.7	0.86	Glass	6AP0129M6	6AP1129M6	6AP2129M6
6318         13.4         147         2.33         Glass         6AP0131M6         6AP1131M6         6AP2131M6           8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2139M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire	4917	10.42	143	2.26	316 S.S.		6AP1130M6	6AP2130M6
8145         17.3         217         3.44         Sapphire         6AP0132M6         6AP1132M6         6AP2132M6           12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.	6318		147	2.33	Glass	6AP0131M6	6AP1131M6	6AP2131M6
12058         25.5         364         5.77         316 S.S.         6AP0133M6         6AP1133M6         6AP2133M6           16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6	8145	17.3	217	3.44	Sapphire		6AP1132M6	6AP2132M6
16943         35.9         540         8.56         Carboloy®         6AP0134M6         6AP1134M6         6AP2134M6           12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6								6AP2133M6
12860         27.2         307         4.86         Glass         6AP0135M6         6AP1135M6         6AP2135M6           16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6	16943		540	8.56	Carboloy®			6AP2134M6
16617         35.2         449         7.11         Sapphire         6AP0136M6         6AP1136M6         6AP2136M6           24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6	12860		307			6AP0135M6	6AP1135M6	6AP2135M6
24452         51.8         723         11.46         316 S.S.         6AP0137M6         6AP1137M6         6AP2137C6           34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6	16617		449	7.11	Sapphire	6AP0136M6	6AP1136M6	6AP2136M6
34507         73.1         1049         16.63         Carboloy®         6AP0138C6         6AP1138M6         6AP2138M6           21969         46.5         550         8.71         Glass         6AP0139M6         6AP1139M6         6AP2139M6           28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6							<del></del>	
21969     46.5     550     8.71     Glass     6AP0139M6     6AP1139M6     6AP2139M6       28518     60.4     811     12.85     Sapphire     6AP0140M6     6AP1140M6     6AP2140M6       41289     87.4     1297     20.56     316 S.S.     6AP0141M6     6AP1141M6     6AP2141M6			-			6AP0138C6		6AP2138M6
28518         60.4         811         12.85         Sapphire         6AP0140M6         6AP1140M6         6AP2140M6           41289         87.4         1297         20.56         316 S.S.         6AP0141M6         6AP1141M6         6AP2141M6					_	6AP0139M6		-
41289 87.4 1297 20.56 316 S.S. <b>6AP0141M6 6AP1141M6 6AP2141M6</b>			<b>-</b>	<u> </u>		6AP0140M6		6AP2140M6
						<b></b>		
, 58348   123.6   1895   30.04   Carboloy® <b>  6ap0142m6   6ap1142m6   6ap2142m6</b>	58348	123.6	1895	30.04	Carboloy®	6AP0142M6	6AP1142M6	6AP2142M6

Meters are available with built-in high precision metering valves (MFV) with "non-rising stems". The higher cost of MFV valves is justified whenever high sensitivity control and resolution are desirable, particularly in conjunction with metering tubes of very low flow rates. Generally, for gas metering it is recommended that valves are positioned at inlets (bottom). For liquids, valves may be positioned either at inlets or outlets (top). For vacuum services, valves must be mounted at outlets. If unspecified at time of ordering, meters will be shipped with valves mounted at the inlets.

