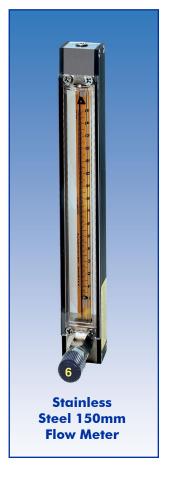
### ROTAMETERS

### 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.

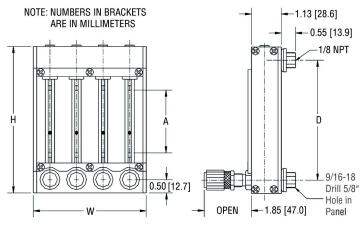
Shipped completely assembled, flow meters include standard mounting fittings in a choice of materials, side plates, thick protective front shield and back plate, with or without control valves.

# **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 I	P 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.

O-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.

# ROTAMETERS

TABLE 21, MFV VALVE FLOW CAPACITIES 10 PSIG (0.7 KG/CM²) INLET PRESSURE, ATMOSPHERIC EXHAUST							
ODIFIOE	Al	R	HELI	UM	WATER		
ORIFICE 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	

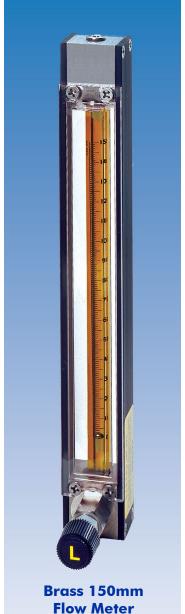
The higher cost of MFV valves is justified whenever high sensitivity control and resolution are desirable. particularly in conjunction with metering tubes of very low flow rates. MFV flow capacities are offered to be matched with individual flow meter ranges.

# This unique design comprises rectilinear motion valve needles, with non-rising stems



As the needle advances into and out of high precision cylindrical orifices, the flat tapered surface of the needle gradually, without turning, uncovers the flow area. 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. Meters are available with built-in high precision metering valves (MFV) with "non-rising stems".

### For Materials of Construction see page 15



Brass	150mm
Flow	Meter
with	Valve

MAXIMUM FLOW RATE	TABLE 21-1, STANDARD 150MM FLOW METERS WITH HIGH PRECISION VALVE [MFV]								
Modern   M	MAXIMUM FLOW RATE					FRAME MATERIAL FLOW TUBE			
11.6   0.024	AIR		WATER		FLOAT	ALUMINUM	BRASS	STAINLESS STEEL	
18.3   0.038	mL/min	scfh	mL/min gph		MATERIAL	MODEL NO.	MODEL NO.	MODEL NO.	
34   0.07	11.6	0.024				6AP0101M1	6AP1101M1	6AP2101M1	
Geres   Gere		0.038	N/A		Sapphire	6AP0102M1	6AP1102M1	6AP2102M1	
46.6   0.098   0.098   0.007   Glass   GAP0105M1   GAP1105M1   GAP2105M1     73.1   0.154   0.154   0.015   Sapphire   GAP0106M1   GAP1106M1   GAP2106M1     138.3   0.293   0.293   0.037   316 S.S.   GAP0107M1   GAP1107M1   GAP2107M1     239.1   0.506   0.506   0.072   Carboloy®   GAP0108M1   GAP1108M1   GAP2108M1     91.6   0.194   0.194   0.020   Glass   GAP0109M1   GAP1108M1   GAP2109M1     144.3   0.306   0.306   0.305   Sapphire   GAP0109M1   GAP1110M1   GAP2110M1     262.2   0.556   0.556   0.079   316 S.S.   GAP0111M1   GAP1111M1   GAP2111M1     431.7   0.915   0.915   0.146   Carboloy®   GAP0112M1   GAP1112M1   GAP2112M1     370.6   0.784   0.784   0.090   Glass   GAP0113M1   GAP113M1   GAP2113M1     513.3   1.087   1.087   0.158   Sapphire   GAP0114M1   GAP1113M1   GAP2113M1     316.0   1.729   1.729   0.301   316 S.S.   GAP0115M1   GAP1115M1   GAP2115M1     1216.9   2.579   2.579   0.500   Carboloy®   GAP0116M1   GAP1115M1   GAP2116M1     317   1.731   1.731   0.240   Glass   GAP0116M1   GAP1115M1   GAP2116M1     318   1.031   1.031   0.240   Glass   GAP0116M1   GAP1115M1   GAP2116M1     319   2.316   2.316   0.394   Sapphire   GAP0118M1   GAP1115M1   GAP2116M1     320   3.528   3.528   0.702   316 S.S.   GAP0119M1   GAP1119M1   GAP2116M1     2405   5.096   5.096   1.094   Carboloy®   GAP0120M1   GAP1120M1   GAP2120M1     2404   4.690   4.690   0.792   Glass   GAP012M1   GAP112M1   GAP212M1     2495   6.300   6.300   1.234   Sapphire   GAP012M1   GAP112M1   GAP212M1     4949   9.520   9.520   2.092   316 S.S.   GAP012M1   GAP112M1   GAP212M1     4940   9.520   9.520   2.092   316 S.S.   GAP012M1   GAP112M1   GAP212M1     4941   9.520   9.520   2.092   316 S.S.   GAP012M1   GAP112M1   GAP212M1     4942   10.47   10.47   2.124   Sapphire   GAP012M1   GAP112M1   GAP212M1     4942   10.47   10.47   2.124   Sapphire   GAP012M1   GAP112M1   GAP212M1     4943   3.494   3.494   7.893   316 S.S.   GAP013M1   GAP113M1   GAP213M1     4944   10.47   10.47   2.124   Sapphire   GAP012M1   GAP113M1   GAP213M1	34	0.07			316 S.S.	6AP0103M1	6AP1103M1	6AP2103M1	
73.1         0.154         0.154         0.015         Sapphire         6AP0106M1         6AP1106M1         6AP2106M1           138.3         0.293         0.293         0.037         316 S.S.         6AP0107M1         6AP1107M1         6AP2107M1           239.1         0.506         0.506         0.072         Carboloy®         6AP0108M1         6AP1108M1         6AP2108M1           91.6         0.194         0.194         0.020         Glass         6AP0109M1         6AP1109M1         6AP2109M1           144.3         0.306         0.306         0.035         Sapphire         6AP0110M1         6AP1111M1         6AP2110M1           262.2         0.556         0.556         0.079         316 S.S.         6AP011M1         6AP1111M1         6AP2111M1           431.7         0.915         0.915         0.146         Carboloy®         6AP011SM1         6AP1113M1         6AP2113M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2114M1           381.3         1.087         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2114M1           381.2         2.579         2.579 <t< td=""><td>62.8</td><td>0.13</td><td>Carboloy®</td><td>6AP0104M1</td><td>6AP1104M1</td><td>6AP2104M1</td></t<>	62.8	0.13			Carboloy®	6AP0104M1	6AP1104M1	6AP2104M1	
138.3         0.293         0.293         0.037         316 S.S.         6AP0107M1         6AP1107M1         6AP2107M1           239.1         0.506         0.506         0.072         Carboloy®         6AP0108M1         6AP1108M1         6AP2108M1           91.6         0.194         0.194         0.020         Glass         6AP0108M1         6AP1109M1         6AP2109M1           144.3         0.306         0.306         0.035         Sapphire         6AP0110M1         6AP1110M1         6AP2110M1           262.2         0.556         0.556         0.079         316 S.S.         6AP0111M1         6AP1112M1         6AP2112M1           370.6         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1116M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0118M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         <	46.6	0.098	0.098	0.007	Glass	6AP0105M1	6AP1105M1	6AP2105M1	
239.1         0.506         0.506         0.072         Carboloy®         6AP0108M1         6AP1108M1         6AP2108M1           91.6         0.194         0.194         0.020         Glass         6AP0109M1         6AP1109M1         6AP2109M1           144.3         0.306         0.306         0.035         Sapphire         6AP0110M1         6AP1110M1         6AP2110M1           262.2         0.556         0.556         0.079         316.S.S.         6AP0112M1         6AP1112M1         6AP2111M1           431.7         0.915         0.146         Carboloy®         6AP0113M1         6AP1112M1         6AP2112M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           1216.9         2.579         0.500         Carboloy®         6AP0116M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0118M1         6AP111BM1         6AP2116M1           817         1.731         1.731         0.240         Glass	73.1	0.154	0.154	0.015	Sapphire	6AP0106M1	6AP1106M1	6AP2106M1	
91.6         0.194         0.194         0.020         Glass         6AP0109M1         6AP1109M1         6AP2109M1           144.3         0.306         0.306         0.035         Sapphire         6AP0110M1         6AP1110M1         6AP2110M1           262.2         0.556         0.556         0.079         316 S.S.         6AP011M1         6AP111M1         6AP2111M1           431.7         0.915         0.915         0.146         Carboloy®         6AP0112M1         6AP1112M1         6AP2112M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2114M1           817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1116M1         6AP2115M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1093         2.316         5.096         1.094         Carbol	138.3	0.293	0.293	0.037	316 S.S.	6AP0107M1	6AP1107M1	6AP2107M1	
144.3         0.306         0.306         0.035         Sapphire         6AP0110M1         6AP1110M1         6AP2110M1           262.2         0.556         0.556         0.079         316 S.S.         6AP0111M1         6AP111M1         6AP2111M1           431.7         0.915         0.915         0.146         Carboloy®         6AP0112M1         6AP1112M1         6AP2112M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1115M1         6AP2115M1           117.731         1.731         0.240         Glass         6AP0117M1         6AP1118M1         6AP2116M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2117M1           1093         2.316         5.096         5.096	239.1	0.506	0.506	0.072	Carboloy®	6AP0108M1	6AP1108M1	6AP2108M1	
262.2         0.556         0.556         0.079         316 S.S.         6AP0111M1         6AP1111M1         6AP2111M1           431.7         0.915         0.915         0.146         Carboloy®         6AP0112M1         6AP1112M1         6AP2112M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2115M1           117.31         1.731         0.240         Glass         6AP0117M1         6AP1118M1         6AP2115M1           1093         2.316         0.394         Sapphire         6AP0119M1         6AP1118M1         6AP2119M1           1065         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1120M1         6AP2119M1           2214         4.690         4.690         0.792         Glass         <	91.6	0.194	0.194	0.020	Glass	6AP0109M1	6AP1109M1	6AP2109M1	
431.7         0.915         0.915         0.146         Carboloy®         6AP0112M1         6AP1112M1         6AP2112M1           370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1118M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0120M1         6AP1120M1         6AP2120M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2122M1           2975         6.300         6.300 <td< td=""><td>144.3</td><td>0.306</td><td>0.306</td><td>0.035</td><td>Sapphire</td><td>6AP0110M1</td><td>6AP1110M1</td><td>6AP2110M1</td></td<>	144.3	0.306	0.306	0.035	Sapphire	6AP0110M1	6AP1110M1	6AP2110M1	
370.6         0.784         0.784         0.090         Glass         6AP0113M1         6AP1113M1         6AP2113M1           513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1117M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0120M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4949         9.520         9.520         2.	262.2	0.556	0.556	0.079	316 S.S.	6AP0111M1	6AP1111M1	6AP2111M1	
513.3         1.087         1.087         0.158         Sapphire         6AP0114M1         6AP1114M1         6AP2114M1           816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         Glass         6AP0118M1         6AP1118M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           4494         13.70         13.70	431.7	0.915	0.915	0.146	Carboloy®	6AP0112M1	6AP1112M1	6AP2112M1	
816.0         1.729         1.729         0.301         316 S.S.         6AP0115M1         6AP1115M1         6AP2115M1           1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1117M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP112M1         6AP2122M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           3780         8.00         8.00         1.411 </td <td>370.6</td> <td>0.784</td> <td>0.784</td> <td>0.090</td> <td>Glass</td> <td>6AP0113M1</td> <td>6AP1113M1</td> <td>6AP2113M1</td>	370.6	0.784	0.784	0.090	Glass	6AP0113M1	6AP1113M1	6AP2113M1	
1216.9         2.579         2.579         0.500         Carboloy®         6AP0116M1         6AP1116M1         6AP2116M1           817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1117M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1121M1         6AP2121M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4949         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1126M1         6AP2125M1           4942         10.47         10.47         2.124	513.3	1.087	1.087	0.158	Sapphire	6AP0114M1	6AP1114M1	6AP2114M1	
817         1.731         1.731         0.240         Glass         6AP0117M1         6AP1117M1         6AP2117M1           1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0120M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1121M1         6AP2122M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1122M1         6AP2123M1           46467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124	816.0	1.729	1.729	0.301	316 S.S.	6AP0115M1	6AP1115M1	6AP2115M1	
1093         2.316         2.316         0.394         Sapphire         6AP0118M1         6AP1118M1         6AP2118M1           1665         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1122M1         6AP2121M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4944         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226	1216.9	2.579	2.579	0.500	Carboloy®	6AP0116M1	6AP1116M1	6AP2116M1	
1665         3.528         3.528         0.702         316 S.S.         6AP0119M1         6AP1119M1         6AP2119M1           2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1121M1         6AP2121M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170 <td>817</td> <td>1.731</td> <td>1.731</td> <td>0.240</td> <td>Glass</td> <td>6AP0117M1</td> <td>6AP1117M1</td> <td>6AP2117M1</td>	817	1.731	1.731	0.240	Glass	6AP0117M1	6AP1117M1	6AP2117M1	
2405         5.096         5.096         1.094         Carboloy®         6AP0120M1         6AP1120M1         6AP2120M1           2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1121M1         6AP2121M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170 <td>1093</td> <td>2.316</td> <td>2.316</td> <td>0.394</td> <td>Sapphire</td> <td>6AP0118M1</td> <td>6AP1118M1</td> <td>6AP2118M1</td>	1093	2.316	2.316	0.394	Sapphire	6AP0118M1	6AP1118M1	6AP2118M1	
2214         4.690         4.690         0.792         Glass         6AP0121M1         6AP1121M1         6AP2121M1           2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0130M1         6AP1130M1         6AP2130M1           11440         23.60         23.60         4.771	1665	3.528	3.528	0.702	316 S.S.	6AP0119M1	6AP1119M1	6AP2119M1	
2975         6.300         6.300         1.234         Sapphire         6AP0122M1         6AP1122M1         6AP2122M1           4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           1140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67 <td>2405</td> <td>5.096</td> <td>5.096</td> <td>1.094</td> <td>Carboloy®</td> <td>6AP0120M1</td> <td>6AP1120M1</td> <td>6AP2120M1</td>	2405	5.096	5.096	1.094	Carboloy®	6AP0120M1	6AP1120M1	6AP2120M1	
4494         9.520         9.520         2.092         316 S.S.         6AP0123M1         6AP1123M1         6AP2123M1           6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           1140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2132M1           23001         48.73         48.73         11.67 </td <td>2214</td> <td>4.690</td> <td>4.690</td> <td>0.792</td> <td>Glass</td> <td>6AP0121M1</td> <td>6AP1121M1</td> <td>6AP2121M1</td>	2214	4.690	4.690	0.792	Glass	6AP0121M1	6AP1121M1	6AP2121M1	
6467         13.70         13.70         3.218         Carboloy®         6AP0124M1         6AP1124M1         6AP2124M1           3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           1140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1132M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2133M1           29410         62.30         62.30         13.2<	2975	6.300	6.300	1.234	Sapphire	6AP0122M1	6AP1122M1	6AP2122M1	
3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2133M1           23105         48.95         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2 <td>4494</td> <td>9.520</td> <td>9.520</td> <td>2.092</td> <td>316 S.S.</td> <td>6AP0123M1</td> <td>6AP1123M1</td> <td>6AP2123M1</td>	4494	9.520	9.520	2.092	316 S.S.	6AP0123M1	6AP1123M1	6AP2123M1	
3780         8.00         8.00         1.411         Glass         6AP0125M1         6AP1125M1         6AP2125M1           4942         10.47         10.47         2.124         Sapphire         6AP0126M1         6AP1126M1         6AP2126M1           7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2133M1           23105         48.95         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2 <td>6467</td> <td>13.70</td> <td>13.70</td> <td>3.218</td> <td>Carboloy®</td> <td>6AP0124M1</td> <td>6AP1124M1</td> <td>6AP2124M1</td>	6467	13.70	13.70	3.218	Carboloy®	6AP0124M1	6AP1124M1	6AP2124M1	
7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2132M1           23105         48.95         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2         Sapphire         6AP0134M1         6AP1134M1         6AP2134M1           42860         90.80         90.80         21.22         316 S.S.         6AP0135M1         6AP1135M1         6AP2135M1	3780	8.00	8.00	1.411	1	6AP0125M1	6AP1125M1	6AP2125M1	
7720         16.35         15.82         226         316 S.S.         6AP0127M1         6AP1127M1         6AP2127M1           10780         22.84         22.84         5.437         Carboloy®         6AP0128M1         6AP1128M1         6AP2128M1           8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2132M1           23105         48.95         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2         Sapphire         6AP0134M1         6AP1134M1         6AP2134M1           42860         90.80         90.80         21.22         316 S.S.         6AP0135M1         6AP1135M1         6AP2135M1	4942	10.47	10.47	2.124	Sapphire	6AP0126M1	6AP1126M1	6AP2126M1	
8555         18.12         18.12         3.170         Glass         6AP0129M1         6AP1129M1         6AP2129M1           11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2132M1           23105         48.95         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2         Sapphire         6AP0134M1         6AP1134M1         6AP2134M1           42860         90.80         90.80         21.22         316 S.S.         6AP0135M1         6AP1135M1         6AP2135M1	7720	16.35	15.82	226		6AP0127M1	6AP1127M1	6AP2127M1	
11140         23.60         23.60         4.771         Sapphire         6AP0130M1         6AP1130M1         6AP2130M1           16493         34.94         34.94         7.893         316 S.S.         6AP0131M1         6AP1131M1         6AP2131M1           23001         48.73         48.73         11.67         Carboloy®         6AP0132M1         6AP1132M1         6AP2132M1           23105         48.95         9.177         Glass         6AP0133M1         6AP1133M1         6AP2133M1           29410         62.30         62.30         13.2         Sapphire         6AP0134M1         6AP1134M1         6AP2134M1           42860         90.80         90.80         21.22         316 S.S.         6AP0135M1         6AP1135M1         6AP2135M1	10780	22.84	22.84	5.437	Carboloy®	6AP0128M1	6AP1128M1	6AP2128M1	
16493     34.94     34.94     7.893     316 S.S.     6AP0131M1     6AP1131M1     6AP2131M1       23001     48.73     48.73     11.67     Carboloy®     6AP0132M1     6AP1132M1     6AP2132M1       23105     48.95     48.95     9.177     Glass     6AP0133M1     6AP1133M1     6AP2133M1       29410     62.30     62.30     13.2     Sapphire     6AP0134M1     6AP1134M1     6AP2134M1       42860     90.80     90.80     21.22     316 S.S.     6AP0135M1     6AP1135M1     6AP2135M1	8555	18.12	18.12	3.170	Glass	6AP0129M1	6AP1129M1	6AP2129M1	
16493     34.94     34.94     7.893     316 S.S.     6AP0131M1     6AP1131M1     6AP2131M1       23001     48.73     48.73     11.67     Carboloy®     6AP0132M1     6AP1132M1     6AP2132M1       23105     48.95     48.95     9.177     Glass     6AP0133M1     6AP1133M1     6AP2133M1       29410     62.30     62.30     13.2     Sapphire     6AP0134M1     6AP1134M1     6AP2134M1       42860     90.80     90.80     21.22     316 S.S.     6AP0135M1     6AP1135M1     6AP2135M1	11140	23.60	23.60	4.771	Sapphire	6AP0130M1	6AP1130M1	6AP2130M1	
23001     48.73     48.73     11.67     Carboloy®     6AP0132M1     6AP1132M1     6AP2132M1       23105     48.95     48.95     9.177     Glass     6AP0133M1     6AP1133M1     6AP2133M1       29410     62.30     62.30     13.2     Sapphire     6AP0134M1     6AP1134M1     6AP2134M1       42860     90.80     90.80     21.22     316 S.S.     6AP0135M1     6AP1135M1     6AP2135M1	16493	34.94	34.94			6AP0131M1	6AP1131M1	6AP2131M1	
23105     48.95     48.95     9.177     Glass     6AP0133M1     6AP1133M1     6AP2133M1       29410     62.30     62.30     13.2     Sapphire     6AP0134M1     6AP1134M1     6AP2134M1       42860     90.80     90.80     21.22     316 S.S.     6AP0135M1     6AP1135M1     6AP2135M1		48.73	48.73	11.67	Carboloy®	6AP0132M1	6AP1132M1	6AP2132M1	
29410         62.30         62.30         13.2         Sapphire         6AP0134M1         6AP1134M1         6AP2134M1           42860         90.80         90.80         21.22         316 S.S.         6AP0135M1         6AP1135M1         6AP2135M1									
42860 90.80 90.80 21.22 316 S.S. <b>6AP0135M1 6AP1135M1 6AP2135M1</b>								6AP2134M1	
								6AP2135M1	
	60212	127.5	127.5	31.26	Carboloy®	6AP0136M1	6AP1136M1	6AP2136M1	