



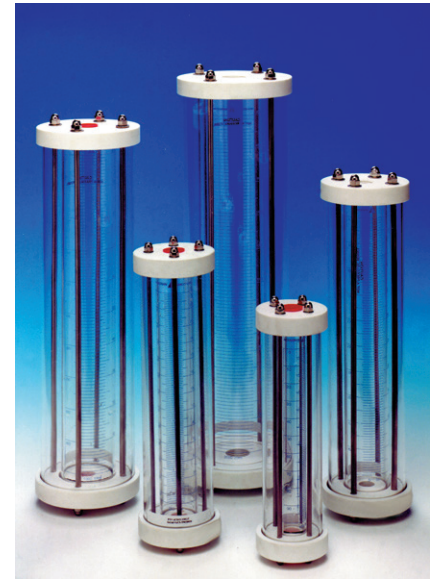
# ACCUDRAW® Calibration Cylinders



Polypropylene



PVC



Glass



- PVC with removable "O" ring sealed top for easy cleaning
- yellow polypropylene level indicator float for high visibility

**ACCUDRAW®** has been developed for the accurate calibration of metering pumps. Standard features include:

- translucent
- chemical resistant
- break resistant
- threaded, socket or flanged
- colored graduations and lettering
- PVC has dual scale USGPH & ml
- PVC sizes 100 - 20000 ml
- POLY sizes 100 - 4000 ml
- POLY meets ISO standards
- Glass sizes 100 - 20000 ml
- custom designs available

**For detailed product information visit our website: [primaryfluid.com](http://primaryfluid.com)**



**PRIMARY FLUID  
SYSTEMS INC.**

Call Toll Free 1-800-776-6580  
Tel (905) 333-8743 Fax (905) 333-8746

E-Mail: [primary@primaryfluid.com](mailto:primary@primaryfluid.com)  
[www.primaryfluid.com](http://www.primaryfluid.com)



# ACCUDRAW® Calibration Cylinders

**"For Accuracy That Counts"**

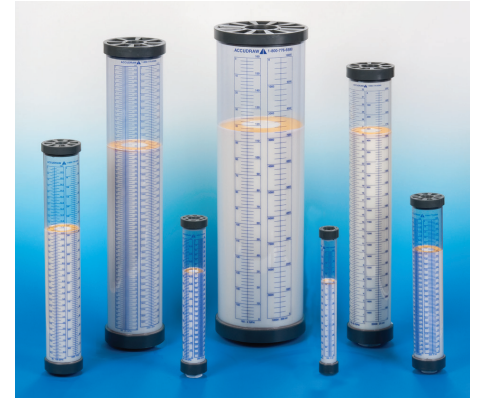
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Flanged: Glass, PVC



Flanged: PVC



PV#4

## Sizing and Ordering Information:

### ACCUDRAW Standard Materials of Construction

- AC = All polypropylene construction (see below for options)  
PV = All polyvinylchloride construction (see below for options)  
ACS = Glass\*

### Example: **AC#1-1000B**

- AC = PP (polypropylene)  
#1 = Bottom threaded connection only  
1000 = 1000 ml  
B = BSP Thread

**Note:** Cylinders are NOT pressure vessels

e.g. Part # **AC #1 - 1000 B**

#### Type:

- AC = Polypropylene  
PV = PVC  
ACS = Glass

#### Style:

- 1 = Bottom threaded conn. only  
2 = Top and Bottom threaded conn.  
3 = Bottom threaded conn. c/w removable vented dust cap  
4 = Top/Bottom threaded conn. c/w removable "O" ring sealed top and float ring level indicator

\* **Glass calibration cylinders available in Style 2 only**

#### Graduation Scale:

- PP - ml only  
PVC - ml and GPH  
Glass - ml only

#### Std. connection is NPT thread

#### Optional: add suffix as follows

- S = Socket weld connection (PVC only)  
GTV = Glass/TFE construction  
GKV = Glass/PVDF construction  
GCV = Glass/CPVC construction  
GSV = Glass/SS construction  
B = BSP Thread  
F = Flanged

Substitute **E** for **V**  
for **EPDM** wetted "O" ring seal

#### Size:

Size:			Material	Conn.
100	=	100 ml (1.6 GPH)	PP, PVC, Glass	1/2"
250	=	250 ml (4 GPH)	PP, PVC, Glass	1/2"
500	=	500 ml (8 GPH)	PP, PVC, Glass	1/2"
1000	=	1000 ml (16 GPH)	PP, PVC, Glass	1/2"
2000	=	2000 ml (32 GPH)	PP, PVC, Glass	1"
4000	=	4000 ml (64 GPH)	PP, PVC, Glass	1"
6000	=	6000 ml	Glass only	2"
8000	=	8000 ml	Glass only	2"
10000	=	10000 ml (160 GPH)	PVC, Glass	2"
15000	=	15000 ml (240 GPH)	PVC only	2"
20000	=	20000 ml (320 GPH)	PVC, Glass	2"

**Custom sizes and materials available.**



# ACCUDRAW® Calibration Cylinders



**ACCUDRAW® Glass Calibration Cylinders** are ideal for the calibration of metering pumps, batch systems and for handling hazardous chemicals.

- volumes calibrated in mL
- construction materials available include TFE, PVDF, CPVC and 316 stainless steel
- sealing "O" rings are Viton and Buna N
- highly translucent polycarbonate shield is durable and UV-protected
- polycarbonate shield acts as a temporary secondary containment area
- port connections in NPT, metric or flanged
- standard sizes 100 - 20,000 ml
- custom designs available to your specifications

## Sizing and Ordering Information: Glass Construction

Size	Conn.	Model # For TFE End Flgs	Model # For 316 S/S End Flgs	Model # For PVDF End Flgs	Model # For CPVC End Flgs
100 ml	1/2" NPT	ACS#2-100-GTV	ACS#2-100-GSV	ACS#2-100-GKV	ACS#2-100-GCV
250 ml	1/2" NPT	ACS#2-250-GTV	ACS#2-250-GSV	ACS#2-250-GKV	ACS#2-250-GCV
500 ml	1/2" NPT	ACS#2-500-GTV	ACS#2-500-GSV	ACS#2-500-GKV	ACS#2-500-GCV
1000 ml	1/2" NPT	ACS#2-1000-GTV	ACS#2-1000-GSV	ACS#2-1000-GKV	ACS#2-1000-GCV
2000 ml	1" NPT	ACS#2-2000-GTV	ACS#2-2000-GSV	ACS#2-2000-GKV	ACS#2-2000-GCV
4000 ml	1" NPT	ACS#2-4000-GTV	ACS#2-4000-GSV	ACS#2-4000-GKV	ACS#2-4000-GCV
6000 ml	2" NPT	ACS#2-6000-GTV	ACS#2-6000-GSV	ACS#2-6000-GKV	ACS#2-6000-GCV
8000 ml	2" NPT	ACS#2-8000-GTV	ACS#2-8000-GSV	ACS#2-8000-GKV	ACS#2-8000-GCV
10000 ml	2" NPT	ACS#2-10000-GTV	ACS#2-10000-GSV	ACS#2-10000-GKV	ACS#2-10000-GCV
20000 ml	2" NPT	ACS#2-20000-GTV	ACS#2-20000-GSV	ACS#2-20000-GKV	ACS#2-20000-GCV

## Descriptions:

### TFE, PVDF and CPVC End Flanges:

Glass cylinder with polycarbonate outer shield and 3/4" thick (TFE, PVDF or CPVC) end flanges

### 316 S/S End Flanges:

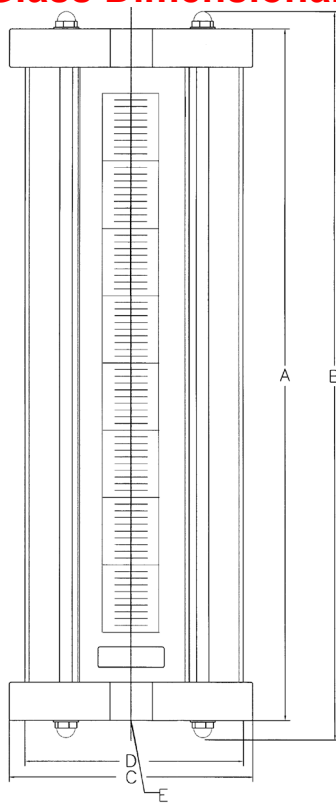
Glass cylinder with polycarbonate outer shield and 1/2" thick 316 Stainless Steel end flanges

Cylinders are bolted together using stainless steel rods with Viton "O" rings for the glass seal and Buna N "O" rings for the polycarbonate seal. For EPDM "O" rings, substitute "E" for "V".

Options available: (may affect price and delivery)

- different type or size of thread connection, different "O" ring material, different flange material

## Glass Dimensional Information



**Note: Cylinders are not pressure vessels.**

**Dimensions subject to change without notice.**

## Glass cylinders with TFE, PVDF or CPVC End Flanges

Size mL	DIV mL	A inches	B inches	C inches	D inches	E thread
100	1.00	10.00	11.00	3.00	2.50	1/2" FNPT
250	2.00	12.75	13.50	3.50	3.00	1/2" FNPT
500	5.00	14.50	15.50	4.00	3.50	1/2" FNPT
1000	10.00	16.75	17.75	4.75	4.25	1/2" FNPT
2000	20.00	18.75	19.75	5.50	5.00	1" FNPT
4000	25.00	22.50	23.50	6.50	6.00	1" FNPT
6000	50.00	20.13	21.16	8.00	7.50	2" FNPT
8000	50.00	24.63	25.66	8.00	7.50	2" FNPT
10000	50.00	30.13	31.16	8.00	7.50	2" FNPT
20000	50.00	43.25	44.25	9.00	8.50	2" FNPT

## Glass cylinders with 316 Stainless Steel End Flanges

Size mL	DIV mL	A inches	B inches	C inches	D inches	E thread
100	1.00	9.50	10.50	3.00	2.50	1/2" FNPT
250	2.00	12.25	13.00	3.50	3.00	1/2" FNPT
500	5.00	14.00	15.00	4.00	3.50	1/2" FNPT
1000	10.00	16.25	17.25	4.75	4.25	1/2" FNPT
2000	20.00	18.25	19.25	5.50	5.00	1" FNPT
4000	25.00	22.00	23.00	6.50	6.00	1" FNPT
6000	50.00	19.63	20.66	8.00	7.50	2" FNPT
8000	50.00	24.13	25.16	8.00	7.50	2" FNPT
10000	50.00	29.63	30.66	8.00	7.50	2" FNPT
20000	50.00	42.75	43.75	9.00	8.50	2" FNPT



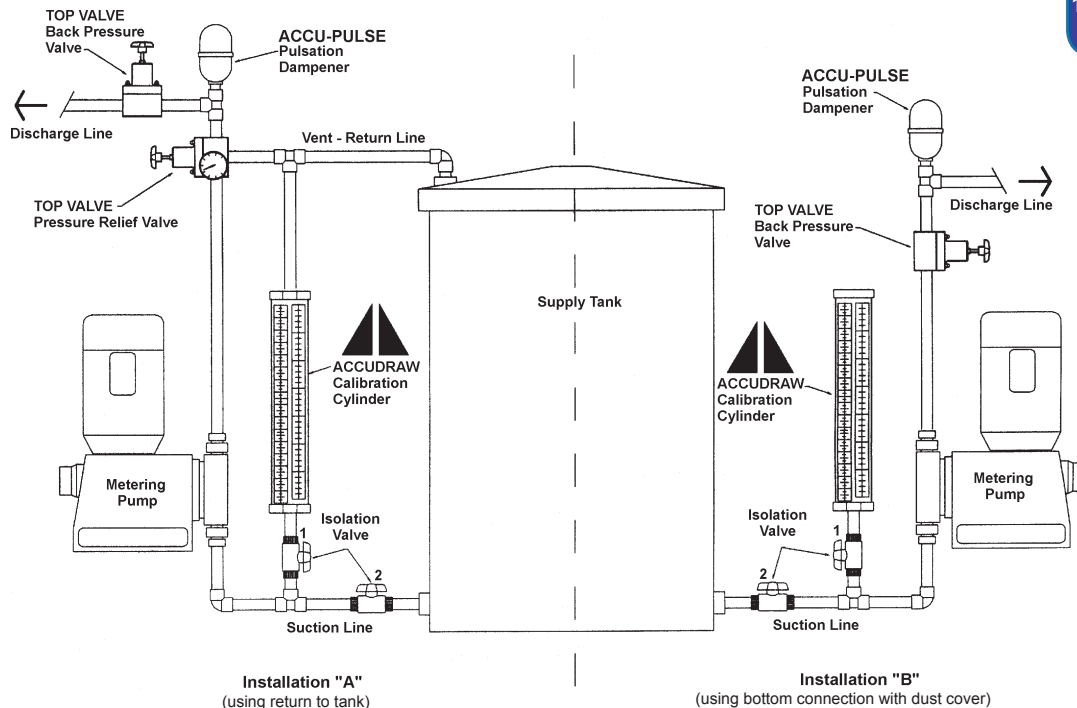


# ACCUDRAW® Calibration Cylinders

## Installations

### Conversion Factors

1 ml = 1 cc  
 1000 ml = 1 liter  
 ml/sec X 60 = ml/min  
 1 US gal/min X 0.063 = liters/sec  
 1 US gal = 3.786 liters



Other available products at [www.primaryfluid.com](http://www.primaryfluid.com)

### TOP VALVE Back Pressure/Pressure Relief



- long life diaphragm
- range of 15 - 350 PSIG
- air release, optional gauge port
- PVC, CPVC, PVDF, Teflon, polypropylene, stainless, Alloy 20 and Hastelloy C
- 7 sizes 1/4" - 2" NPT
- color coded handles indicate size
- higher pressure & temperature available

### ACCUPULSE Pulsation Dampeners



**Designed to remove pulsating flows from positive displacement pumps.**

- increase system efficiency and pump life; decrease maintenance and costs
- protect pipes, meters, valves and instrumentation from pulsation and vibration
- ensure meter accuracy, longevity and repeatability
- prevent foaming and splashing
- extensive range of materials and sizes with lightweight, compact design

### PFS Corporation Stops



**Designed to inject chemical into the center stream of process.**

- isolation valve allows for ease of maintenance
  - available in 6 materials of construction
  - wetted components have comparable or greater chemical resistance than quill construction material
  - standard and custom lengths available
  - connection in NPT, metric or flanged
- Custom built in other sizes & materials.**

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