

# CALIBRATION CYLINDERS

## SIGMAMOTOR

### Sigmamotor Glass Graduated Calibration Cylinders for Accurate Calibration of Chemical Metering Pumps

#### Verified Accuracy

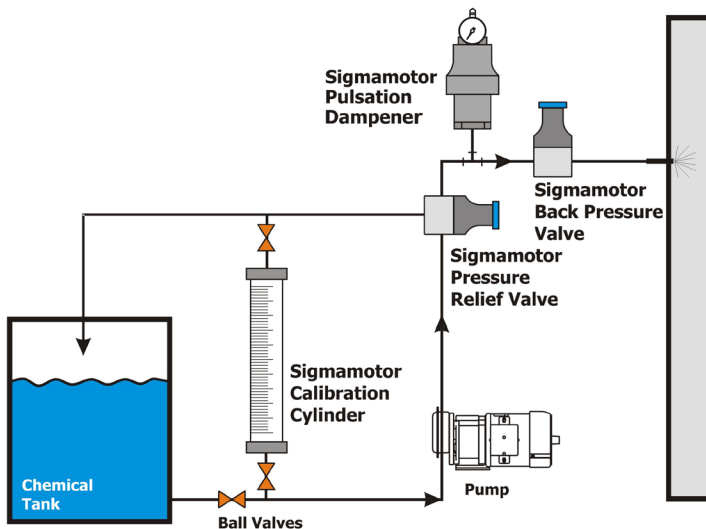
Sigmamotor Calibration Cylinders will enhance your feed systems by allowing verification of the flow rate of the feed pump.

- CNC machined ends
- Borosilicate glass tube
- Process connections disassemble for easy cleaning
- Protective outer shell
- GPH & ml scale

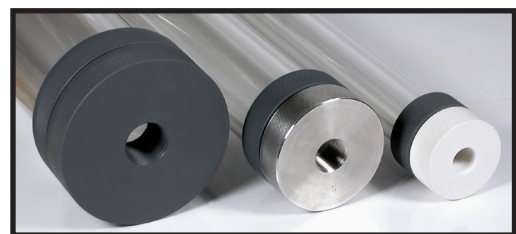
Calibration Cylinders are installed on the suction side of the metering pump and are isolated with two valves installed with the cylinder. The top of the cylinder is vented back to the supply tank or drain. The calibration cylinder is filled to the top mark then the valve from the tank is closed. Turning on the metering pump will draw down the liquid providing a simple means to verify the accuracy of the pump flow rate. USGPH (Gallons Per Hour) and ML are shown on the cylinder.

Sigmamotor Calibration Cylinders are critical to accurate determination of your system flow rate, either at start-up or following maintenance. Max cylinder pressure is 15psi.

#### Typical System Block Diagram



Sigmamotor Calibration Cylinders are clearly marked in US GPH and milliliters for accurate drawdown calibrations. A rugged plastic shell helps protect the inner glass cylinder from damage. Process connection materials include PVC, Polypropylene, CPVC, PTFE, KYNAR, 316 SS, ALLOY 20 & Hastalloy C276.



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# ENGINEERING SPECIFICATIONS

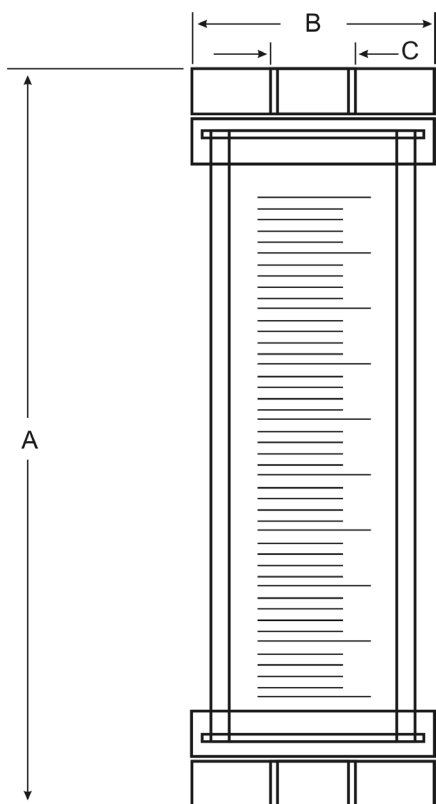
| Part No.  | Capacity mL | Size USgph | Scale mL | A in. | B in. | C in. (NPT) |
|-----------|-------------|------------|----------|-------|-------|-------------|
| GA100( *) | 100         | 3.2        | 2        | 15    | 2.5   | 1/2         |
| GA200( *) | 200         | 6.4        | 2        | 21    | 2.5   | 1/2         |
| GA500( *) | 500         | 16         | 5        | 15    | 3.5   | 3/4         |
| GA1K( *)  | 1000        | 32         | 5        | 27    | 3.5   | 3/4         |
| GA2K( *)  | 2000        | 63         | 10       | 27    | 5.0   | 1           |
| GA4K( *)  | 4000        | 127        | 10       | 39    | 5.0   | 1           |
| GA10K( *) | 10,000      | 320        | 20       | 27    | 9.15  | 2           |
| GA20K( *) | 20,000      | 640        | 20       | 39    | 9.15  | 2           |

| Process Connection | Code ( *) |
|--------------------|-----------|
| PVC                | P         |
| Polypropylene      | PP        |
| CPVC               | CP        |
| PTFE               | T         |
| KYNAR              | K         |
| 316 SS             | S         |
| ALLOY 20           | A         |
| Hastalloy C276     | H         |

\* See materials chart at right.

Ordering example: GA500T = 500ml glass calibration cylinder with PTFE ends.

O-Ring material is Viton. Other materials upon request.



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