

# Calibration Columns



## Verify your flow rate

Walchem calibration cylinders are designed to enhance the performance of chemical feed systems by providing a verification of the flow rate of the chemical feed pump. Robust construction of clear PVC, Glass or PP with an easy to read graduation in mL and gph. Available with either a sealed or removable top, the calibration cylinders are available in four sizes: 250 mL, 500 mL, 1000 mL, and 4000 mL.



## Summary of Key Benefits

- High reliability / Low cost
- Clear easy-view tube
- Direct GPH readout
- Removable top model for easy cleaning
- High contrast graduation markings
- Robust construction
- Sealed top with overflow connection

Volume	Material	Style	Model Number	Overall Dimensions		Connection Size (NPTF)
				Height (in)	Diameter (in)	
250 mL	PVC	Removeable Top	CC-PVC-250-D	11.51	1.89	1/2"
		Sealed Top & Bottom	CC-PVC-250-T	11.51	1.89	
	Polypropylene	Sealed Top & Bottom	CC-PP-250-T	11.63	1.75	
			CC-GF-250-T	13.50	3.50	
500 mL	PVC	Removeable Top	CC-PVC-500-D	12.75	2.39	1/2"
		Sealed Top & Bottom	CC-PVC-500-T	12.75	2.39	
	Polypropylene	Sealed Top & Bottom	CC-PP-500-T	13.00	2.32	
			CC-GF-500-T	15.50	4.00	
			CC-GS-500-T	15.00	4.00	
1000 mL	PVC	Removeable Top	CC-PVC-1000-D	16.75	2.77	1/2"
		Sealed Top & Bottom	CC-PVC-1000-T	16.75	2.77	
	Polypropylene	Sealed Top & Bottom	CC-PP-1000-T	16.50	2.69	
			CC-GF-1000-T	17.75	4.75	
4000 mL	PVC	Removeable Top	CC-PVC-4000-D	22.66	4.52	1"
		Sealed Top & Bottom	CC-PVC-4000-T	22.66	4.52	
	Polypropylene	Sealed Top & Bottom	CC-PP-4000-T	22.13	3.38	
			CC-GF-4000-T	23.50	6.50	
Glass/PVDF/FKM	Sealed Top & Bottom	CC-GS-4000-T	23.00	6.50		

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# Operation

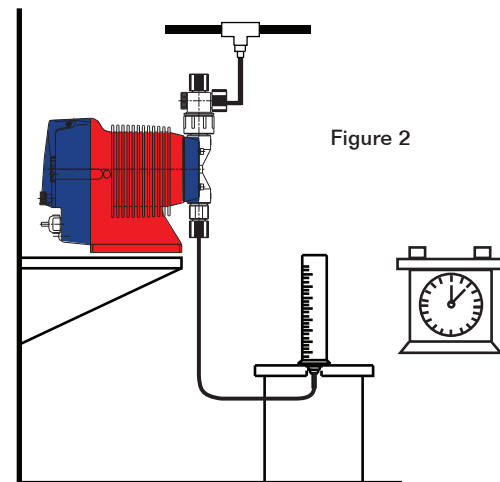
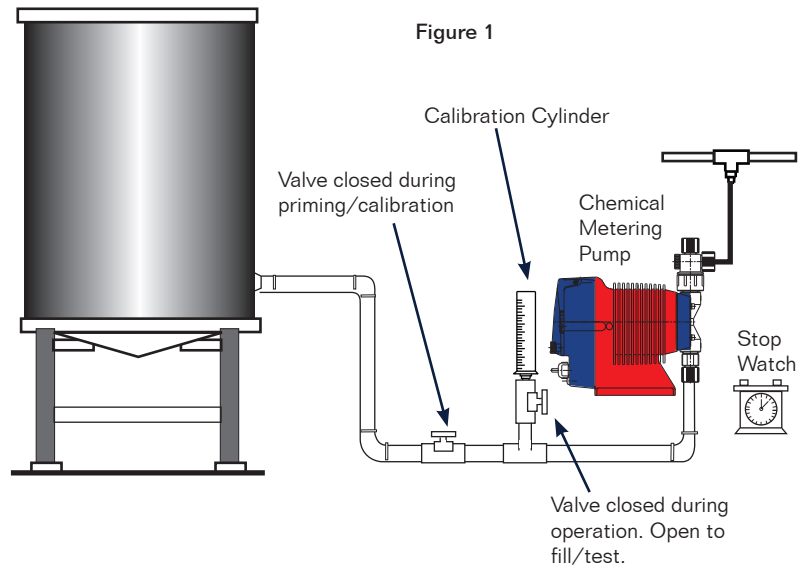
The easy to read graduated, cylinder with base connector may be installed in-line (Fig. #1) or it may be used as a portable unit (Fig. #2). Each size is available with either a sealed or removable top- both with the same size NPT connection as the bottom. Calibration of the pump under actual conditions is recommended to confirm accurate chemical feed.

1. Follow arrangement indicated in either Fig. #1 or Fig. #2.
2. With calibration cylinder full, start metering pump and run at 100% output adjustment until pump is fully primed. Releasing air from the manual air vent valve may be necessary for priming. Consult pump instruction manual for further information on this feature.
3. With pump installed under actual operating conditions, operate pump until all air is exhausted from the suction line and pump head. Refill calibration cylinder.
4. To use the GPH scale on the calibration cylinder, run the pump for exactly 60 seconds and the resultant reading will be the flowrate of the pump. Using the mL scale, start the pump and using a stop watch or timer to calculate the total volume pumped over time. See instructions for more details.

NOTE: Optional tubing connectors may be specified for the portable applications.

Part number			
PVDF	PVC	Polypro	Description
E00222	4542-W	100177	½" OD tubing x ½" MNPT
E00223	20050	102805	3/8" OD tubing x ½" MNPT connector

*Cylinders are NOT pressure vessels.*



## ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market. Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: [www.walchem.com](http://www.walchem.com)