



Calibration Cylinders



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Calibration cylinders are designed to enhance the performance of Wanner EPM Electronic Precision Metering systems by providing a verification of the flow rate of the P Series pump.

- Cylinders are calibrated to give direct USGPH readout for 30 second drawdown
- Alternatively, the volume drawdown on the mL scale can be converted to GPH or LPH
- Custom cylinder sizes and calibration scales are available upon request



PVC Calibration Cylinders

- 200, 1000, 2000 and 10000 mL capacities
- PVC cylinder and end cap construction
- High contrast graduation markings
- Clear easy view tubing
- Robust construction
- Direct GPH readout
- Broad chemical compatibility
- 15 PSIG (1 bar) maximum cylinder pressure
- 140°F (60°C) maximum cylinder temperature

Inlet (FNPT)	Label Capacity		Part Number
	mL	USGPH	
1/2"	200	6.2	111-001
3/4"	1000	32.0	111-003
1"	2000	64	110-004
2"	10000	317.5	110-006



Glass Calibration Cylinders

- 200, 1000 and 2000 mL capacities
- Borosilicate glass tube
- PTFE end cap material
- Easy disassembly for cleaning
- Protective outer shield
- High contrast graduation markings
- US, Metric and GPH scales
- Sealed top and overflow connection
- 30 PSIG (2 bar) maximum cylinder pressure
- 250°F (121°C) maximum cylinder temperature

Inlet (FNPT)	Label Capacity		Part Number
	mL	USGPH	
1/2"	200	6.4	111-011
3/4"	1000	32.0	111-013
1"	2000	64	110-014

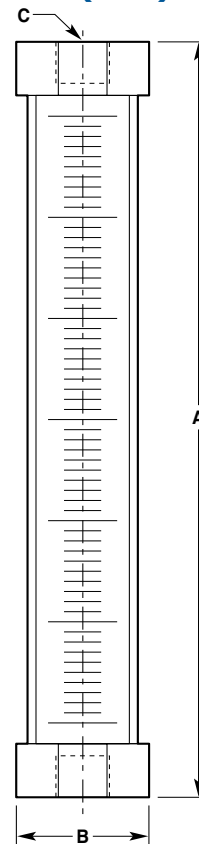
Calibration Cylinder Selection Process

- Size the appropriate P Series Pump to the application (refer to pump specifications for complete information)
- Use application RPM to select the appropriate cylinder from the chart below:

Cylinder Size				
mL	200	1000	2000	10000
Maximum Cylinder Capacity				
GPH	6.4	32	64	320
LPH	24	121	242	1211
Pump Model				
	Maximum RPM			
P100	200	1000	1750	-
P200	75	300	600	1750
P300	75	300	600	1750
P400	30	110	210	1000
P500	-	60	115	600
P600	-	30	60	275
P700	-	-	34	155

Port Size (FNPT)	Cylinder Size (mL)	Part Number
PVC Cylinders		
1/2"	200	111-001
3/4"	1000	111-003
1"	2000	110-004
2"	10000	110-006
Glass Cylinders		
1/2"	200	111-011
3/4"	1000	111-013
1"	2000	110-014

Dimensions – in (mm)



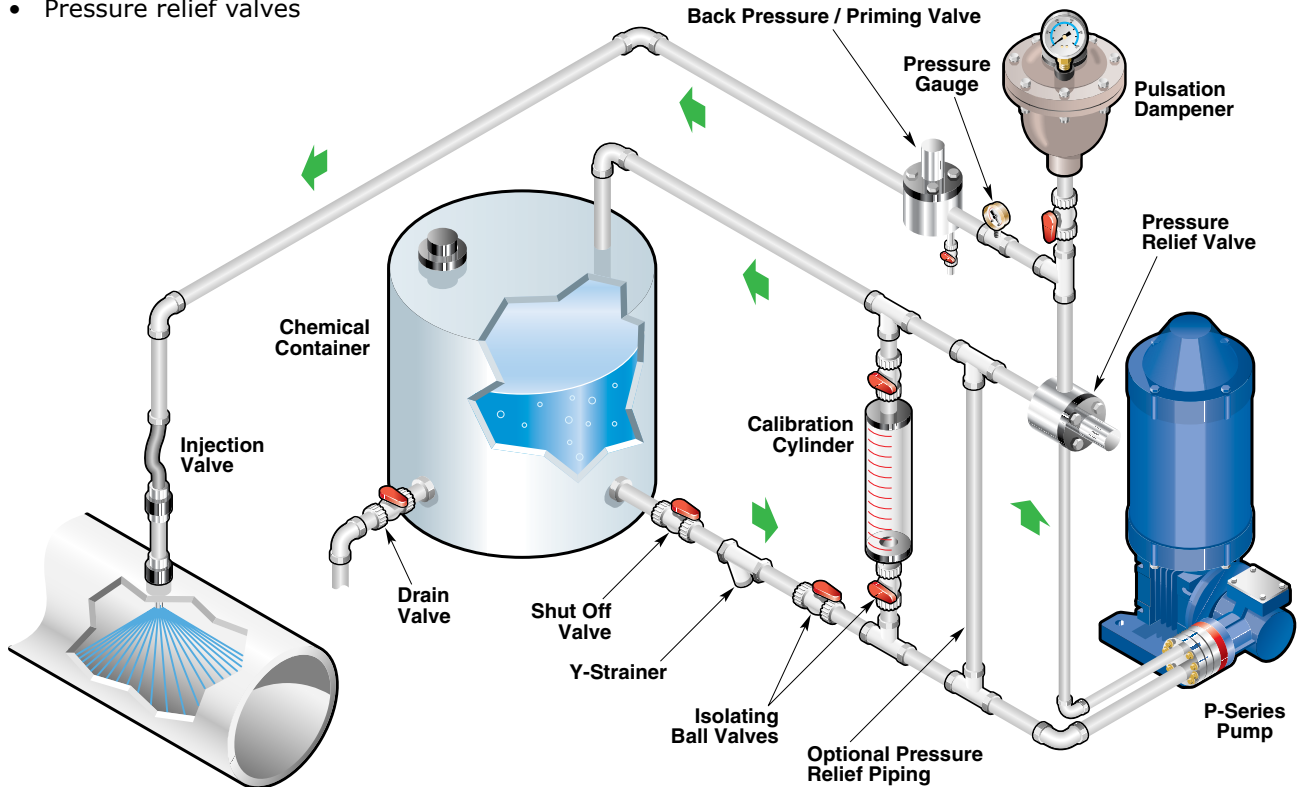
Port C (FNPT)	A		B	
PVC Cylinders				
1/2"	19.0	(482.6)	1.5	(38.1)
3/4"	22.0	(558.8)	2.5	(63.5)
1"	20.0	(508.0)	3.7	(94.0)
2"	26.0	(660.4)	7.25	(184.2)
Glass Cylinders				
1/2"	21.0	(533.4)	2.5	(63.5)
3/4"	27.0	(685.8)	3.5	(88.9)
1"	27.0	(685.8)	5.0	(127.0)

EPM Solutions



Calibration cylinders are just one of the many components of a complete Wanner Engineering EPM solution including:

- P Series Pumps and controls
- Pulsation dampeners
- Back pressure valves
- Pressure relief valves



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