

Calibration Cylinders

Calibration cylinders verify the flow rate of a Hydra-Cell P Series metering pump, providing a visual indicator that the system is operating within the required parameters of performance and accuracy.

(Note: Can be used with corresponding Hydra-Cell pump models shown in parentheses below as long as rpm are the same.)

Selection Process

1. Size the appropriate P Series pump to the application.
(Refer to the metering pump section starting on page 144 for more information.)
2. Use the application rpm to select the appropriate cylinder from the chart below.



Cylinder Size mL	30	200	1000	2000	10000
Capacity gph (lph)	0.95 (3.6)	6.4 (24)	32 (120)	64 (240)	320 (1200)
Maximum Pump Shaft (rpm)					
P100 (F20)	36	200	1000	1750	-
P200 (M03)	-	75	300	600	1750
P300 (D04)	-	75	300	600	1750
P400 (D10)	-	30	110	210	1000
P500 (D15/D17)	-	-	60	115	600
P600 (H25)	-	-	30	60	275

Port C	Cylinder Size (mL)	Part Number		Dimensions - in (mm)	
		NPT Ports	BSPT Ports	A	B
PVC Cylinders					
1/2"	200	111-001	111-001-B	19.0 (482.6)	1.5 (38.1)
3/4"	1000	111-003	111-003-B	22.0 (558.8)	2.5 (63.5)
1"	2000	111-004	111-004-B	20.0 (508.0)	3.7 (94.0)
2"	10000	111-006	111-006-B	25.0 (635.0)	6.95 (176.5)
Glass Cylinders					
1/4"	30	111-010	111-010-B	14.0 (355.6)	1.4 (35.6)
1/2"	200	111-011	111-011-B	21.0 (533.4)	2.5 (63.5)
3/4"	1000	111-013	111-013-B	27.0 (685.8)	3.5 (88.9)
1"	2000	111-014	111-014-B	27.0 (685.8)	5.0 (127.0)

