Calibration Cylinder

General Description

For the most efficient use of your Polyblend® unit, you should periodically monitor the polymer input rate to determine the need for metering pump adjustment (calibration). The Polyblend® Calibration Cylinder is ruggedly constructed with a slip-on cap for top filling.

The cap has a convenient pipe thread on top for vent piping, fill piping, etc. Calibration cylinder and fittings are made of inert PVC. Label is polycarbonate with calibration marks protected from the environment.

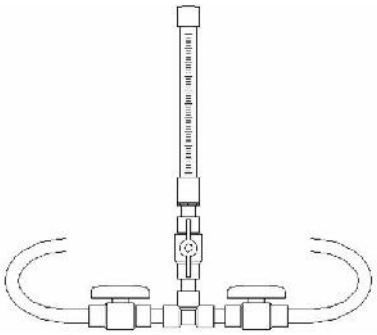
Installation

To seal threads, use teflon tape when installing.

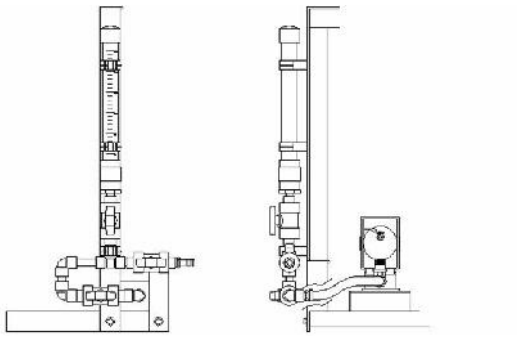
Operation

Equipment required: Watch with second hand.

1. To calibrate the pump, open Valve B and fill calibration cylinder. Verify pump suction line is full of chemical by running pump until chemical exits pump discharge.
2. Close Valve A. Start pump and simultaneously begin timing.
3. Allow the pump to run for at least 30 seconds.
4. Stop pump and timing, observe level of chemical in cylinder.
5. Change in cylinder level divided by time period is actual pump rate.
6. Close Valve B and open Valve A to resume normal operation.



Stand Alone Kit

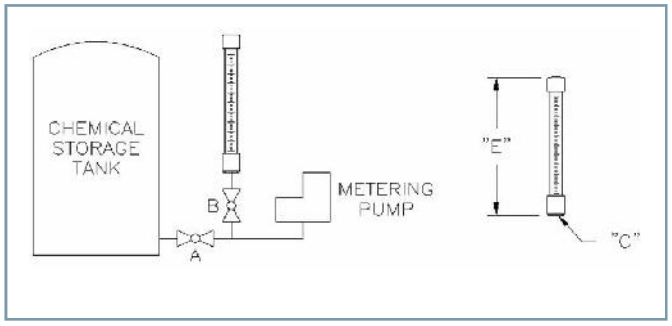


Polyblend® Kit

Size	Pumping Rate	Minor Graduations	Major Graduations	Cylinder Only	Stand Alone Kit*	Polyblend® Kit*
250mL	0-3.8 LPH (0-1 GPH)	10mL	50mL	K2342005	K2342009	K2342013
500mL	3.8-18.9 LPH (1-5 GPH)	10mL	50mL	K2342006	K2342010	K2342014
1000mL	18.9-75.7 LPH (5-20 GPH)	10mL	50mL	K2342007	K2342011	K2342015
4000mL	75.7 + LPH (20 + GPH)	50mL	250mL	K2342008	K2342012	K2342016

* Kit includes tubing, fittings and isolation valves

** Kit includes above plus mounting clips for angle iron frame.



Size	"C" Outlet mm / (in)	"E" Outlet mm / (in)	"D" Outlet mm / (in)
250mL	12.7 (1/2")	413 (16-1/4")	12.7 (1/2")
500mL	19.05 (3/4")	559 (22")	12.7 (1/2")
1000mL	19.05 (3/4")	641 (25-1/4")	12.7 (1/2")
4000mL	50.8 (2")	768 (30-1/4")	19.05 (3/4")

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