

SENTINEL™

PVC & BOROSILICATE GLASS CALIBRATION COLUMNS

Accurately Calibrate Metering Pump Flowrates

Calibration columns (or cylinders) provide a simple and accurate method to calibrate pump flowrate in chemical dosing applications. The column is installed on the suction line of the pump with the top of the column vented back to the supply tank or drain.

Using isolation valves, the column is filled with process fluid from the supply tank and drawn down in a timed test. The fluid remaining in the column at the end of the test is measured on the column's graduated scale in both milliliters/minutes (mL/min) and US gallons/hour (US GPH).

The Blacoh Advantage

Blacoh offers PVC and glass calibration columns in a wide range of sizes with end cap materials and connection options to suit every application. Each cylinder features a laminated dual scale in mL/min and US GPH to provide simple and accurate measurement. Like all Blacoh products, calibration columns are proudly made in the USA.

BLACOH™
INDUSTRIES

Specifications

PVC Column End Caps

SIZE	PVC COLUMN HEIGHT (in)	PVC COLUMN DIAMETER (in)	GLASS COLUMN HEIGHT (in)	GLASS COLUMN DIAMETER (in)	CONNECTION (in)	CAPACITY (GPH)
100 ML	13.5	1.8	15.3	2.3	0.5	1.5
250 ML	17.0	2.1	19.4	2.4	0.5	4.0
500 ML	16.3	2.8	18.3	3.3	0.75	8.0
1000 ML	25.5	2.8	28.1	3.3	0.75	16.0
2000 ML	24.3	4.0	n/a	n/a	1.0	32.0
4000 ML	27.5	5.0	n/a	n/a	1.0	64.0
10000 ML	28.5	7.1	n/a	n/a	2.0	160.0
20000 ML	47.3	7.1	n/a	n/a	2.0	315.0

Diameter and height based on standard cap models. Flanged models may vary. Blacoh's Calibration Columns use a one minute drawdown test. Appropriate size depends on user's maximum system flowrate in gallons per hour (or equivalent millimeters per minute).



SEALED cap glued to the cylinder for a permanent vent connection. Used in applications with positive suction head.



REMOVABLE cap sealed with an O-ring so the cap can be easily removed for cleaning. Used in applications with positive suction head.



LOOSE cap dust cover used in applications with no positive suction head. The cylinder is filled from the top.

CP - PVC Calibration Column

CODE	COLUMN TYPE	CODE	SIZE	CODE*	END CAP/TOP	CODE	CONNECTION TYPE	CODE*	END CAP O-RING	CODE	SPECIAL ORDER
CP	PVC Calibration Column	-100	100 ML	S	SEALED		NPT		VITON		NONE
		-250	250 ML	L	LOOSE TOP	-SW	SW	-E	EPDM	-CP	CPVC END CAPS
		-500	500 ML	R	REMOVABLE	-BSP	BSP				
		-1000	1000 ML			-F	150# FLANGE (SEALED)				
		-2000	2000 ML			-U	UNION				
		-4000	4000 ML								
		-10K	10K ML								
		-20K	20K ML								

Examples: CP-100S, CP-500L-SW, CP-1000-F, CP-2000R-E

** End cap options for NPT, BSP and SW only. Flanged and Union connections N/A.*

** For PVC Removable (R) top only. Standard Viton with option for EPDM. Other materials available on request.*

CG - Glass Calibration Column

CODE	COLUMN TYPE	CODE*	END CAP/TOP	CODE	SIZE	CODE	CONNECTION TYPE	CODE*	END CAP O-RING
CG	GLASS CALIBRATION COLUMN	-PVC	PVC	-100	100 ML		NPT		VITON
		-CPVC	CPVC	-250	250 ML	-SW	SW	-E	EPDM
		-PP	POLYPROPYLENE	-500	500 ML	-BSP	BSP		
		-PVDF	PVDF	-1000	1000 ML	-F	150# FLANGE (SEALED)		
		-SS	316L SS			-U	UNION		

Examples: CG-SS100, CG-PVDF500-SW, CG-PVC100-E

** Standard Viton with option for EPDM. Other materials available on request.*

SENTINEL™

Diaphragm Seals & Gauge Guards
 Back Pressure & Pressure Relief Valves
 Hybrid Combination Dampener & Back Pressure Valve
 Calibration Columns
 Injection Quills
 Degassing Valves