

CALIBRATION COLUMNS SERIES 85000

USE INDICO BRAND CALIBRATION COLUMNS TO ACCURATELY MEASURE AND/OR CONTINUOUSLY MONITOR THE OUTPUT OF YOUR METERING PUMPS.

INDICO BRAND COLUMNS ARE ACCURATE TO PLUS OR MINUS 1% AND SIZED TO PROVIDE A FULL ONE MINUTE DRAWDOWN.

EACH COLUMN IS INDIVIDUALLY CALIBRATED, COMPUTER GRADUATED AND TESTED TO ENSURE ACCURACY

FULLY CIRCUMSCRIBED GRADUATIONS HELP MINIMIZE PARALAX

COMPATIBLE WITH A WIDE RANGE OF CHEMICALS

CAPACITIES UP TO 100 LITER OR 26 GALLON

SEVERAL CONNECTION TYPES AVAILABLE INCLUDING FLANGED AND REDUCED FLANGED

DUAL GRADUATIONS OPTIONAL

IMMEDIATE DELIVERY

LOW COST

GRADUATION TYPES:

GALLONS
MILLILITERS
LITERS
OUNCES
CC's
INCHES
DUAL

SIZES:

40 ML TO 100 LITER
.01 GALLON TO
26 GALLON

CONNECTION TYPES:

THREADED 1/2 TO 3"
SOCKET 1/2 TO 3"
FLANGED TO 8"
CUSTOM



INDICO BRAND CALIBRATION COLUMNS ARE ALSO AVAILABLE IN GLASS, ACRYLIC AND FEP MATERIALS. SEE INDIVIDUAL PRODUCT SHEETS FOR DETAILS.



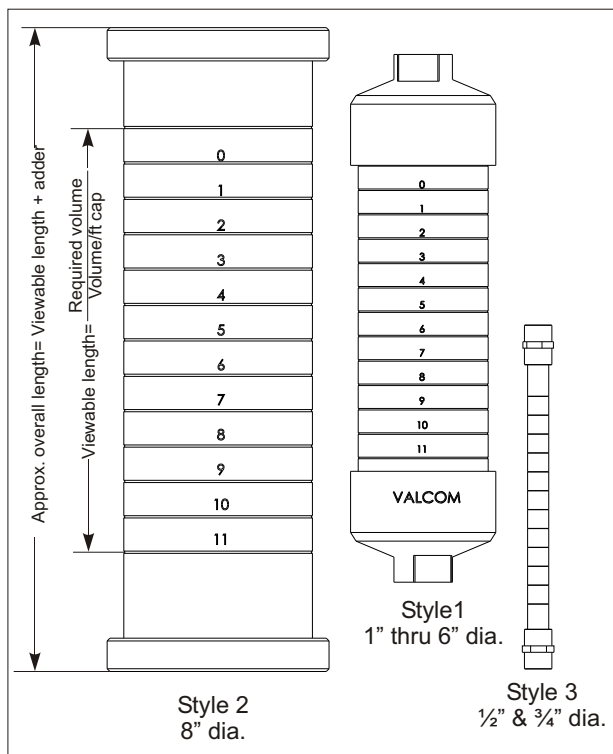
Valcom

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BRAND

Valcom div. of TRI 81 Diamond St. Walpole, MA 02081

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To calculate length of a column use this example:

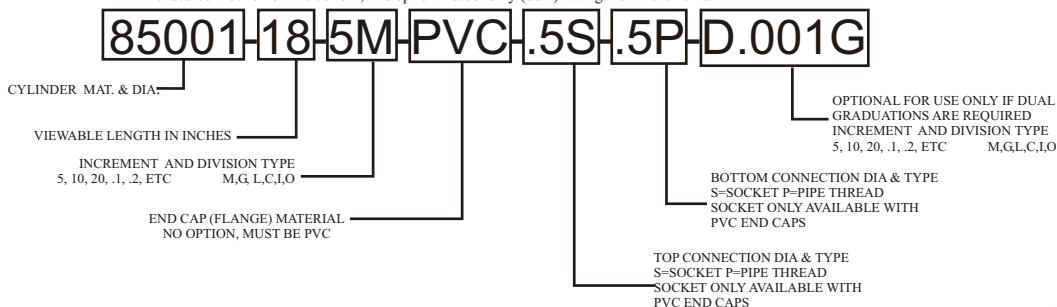
For a column with a 5 gallon capacity and .05 gallon graduations you have two choices. In the chart both a 4" and a 6" dia. can be graduated in .05 gallon increments. Select 6" which has a 1.47 gallon per foot capacity.

Divide 5 gallons by 1.47 gallons and multiply the dividend by 12 to get overall viewable inches. This is the area of the column that is used for the actual calibration. This is also the number that is entered in the product part number in the area marked "viewable length in inches".

$(5/1.47) \times 12 = 40.8 \text{ inches} + \text{adder } (6.5) = 47.3 \text{ overall inches}$

Dia. "A"	Adder	Std. Connection	gal/ft cap	ml/ft cap	oz./ft cap	Standard grads
1/2"	2.0"	1/2" FNPT	.01	39	1.3	.0005gal / 2ml 1/16 oz
3/4"	2.0"	1/2" FNPT	.02	86	2.6	.001gal / 5ml 1/16 oz
1"	4.0"	1/2" FNPT	.04	154	5.12	.005gal / 20ml 1/8 oz
1-1/2"	4.0"	1/2" FNPT	.09	348	11.5	.005gal / 20ml 1/4 oz
2"	3.5"	1/2" FNPT	.16	618	20.5	.01gal / 50ml 1/2 oz
3"	3.5"	1" FNPT	.37	1390	47.4	.01gal / 50ml 1 oz
4"	6.5"	1" FNPT	.65	2470	83	.05gal/100ml 2 oz
6"	6.5"	1" FNPT	1.47	5560	188	.05gal/200ml 4 oz
8"	3.0"	1" FNPT	2.61	9885	334	.10gal/500ml 8 oz

Example below specifies a 1" PVC column 18 inches long graduated in 5 milliliter increments with PVC end caps, with a 1/2 inch socket connection on the top, a 1/2 inch threaded connection on the bottom, and optional secondary (dual) .001 gallon increments.



Note 1: Dia. "A" determines the available graduation / readout type
 Note 2: Maximum viewable length is 110 inches
 Note 3: All Indico brand columns are sized to allow for pump ramp up time during calibration

To calibrate a pump fill the column to the top and start the metering pump. Watch the fluid level as it approaches the zero line and start your timer when it does. Record the number reached at the end of one minute and multiply that number by the columns incremental value to measure volume pumped per minute.

MODEL 85000 SAMPLE SPECIFICATION

There shall be provided an Indico Model 85000 Calibration Column made of PVC cylinder materials, with fully circumscribed permanent markings and black or white numerals of approximately 1/4" in height. The cylinder shall be capped at each end with PVC end caps. Said end caps shall have appropriately sized FNPT, or socket connections, on both top and bottom. Graduation markings shall be in fractions of Milliliters, Gallons, Liters, Cubic Centimeters, Inches, or Ounces as dictated by installation and pump requirements.

INDICO MODEL 85000 CALIBRATION COLUMNS ARE MANUFACTURED BY
 VALCOM DIVISION OF TRI, WALPOLE, MA 02081

800-394-5583



**INDICO MODEL 85000
 PVC CALIBRATION COLUMNS**

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