

## CALIBRATION COLUMNS SERIES 85200



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 PARALLAX

COMPATIBLE WITH A WIDE RANGE OF CHEMICALS

CAPACITIES OF UP TO 111 LITER OR 29 GALLONS

DUAL GRADUATIONS OPTIONAL

RESISTANT TO COLD / UV LIGHT / SUNLIGHT

STABLE MATERIAL WITH EXCELLENT OPTICAL CLARITY

LIGHTWEIGHT / CRACK RESISTANT

LOW COST

#### GRADUATION TYPES:

**GALLONS**  
**MILLILITERS**  
**LITERS**  
**OUNCES**  
**CC's**  
**INCHES**  
**DUAL**

#### SIZES:

**154 ML TO 111 LITER**  
**.04 GALLON TO**  
**29 GALLON**

#### CONNECTION TYPES:

**THREADED ½ TO 2"**  
**SOCKET ½ TO 2"**  
**CUSTOM**

#### END CAP MATERIALS:

**PVC**  
**ACRYLIC**

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



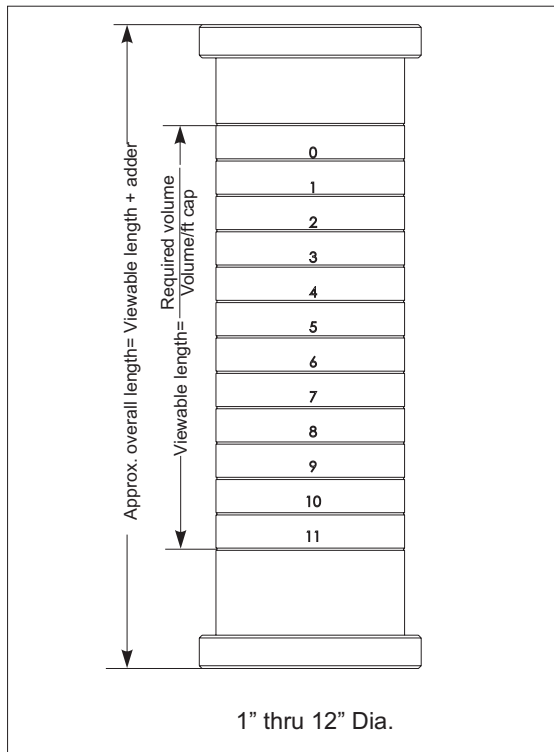
# Valcom

Since 1966  
**INDICO**<sup>®</sup>  
BRAND

**Valcom div. Of TRI 81 Diamond St. Walpole, MA 02081**

PH. 508-668-5583 FAX 508-668-5203 WEB ADDRESS [tooling-research.com](http://tooling-research.com)

To order call 800-394-5583



**To calculate length of a column use this example:**

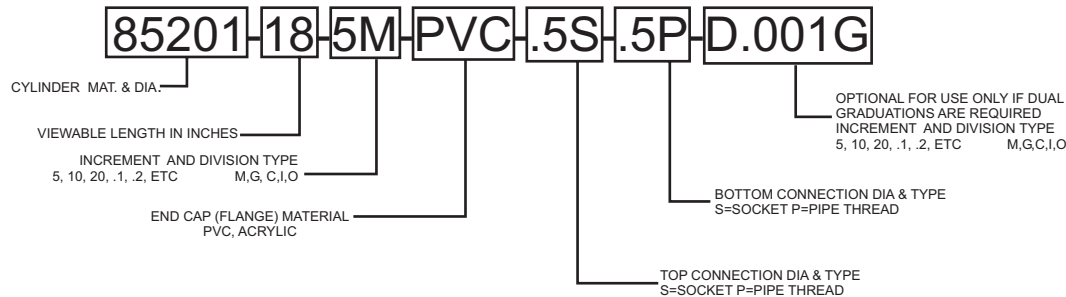
For a column with a 5 gallon capacity and .05 gallon graduations you have two choices. In the chart both a 4" and a 6" dia. can be graduated in .05 gallon increments. Select 6" which has a 1.47 gallon per foot capacity.

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".

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

Dia.	Adder	Std. Connection	gal/ft cap	ml/ft cap	oz./ft cap	Standard grads
1"	3.0"	1/2" FNPT	0.04	154	5.12	.005gal / 20ml 1/8 oz
2"	3.0"	1/2" FNPT	0.16	618	20.5	.01gal / 50ml 1/2 oz
3"	3.0"	1" FNPT	0.37	1390	47.4	.01gal / 50ml 1 oz
4"	3.0"	1" FNPT	0.65	2470	83	.05gal / 100ml 2 oz
6"	3.0"	1" FNPT	1.47	5560	188	.05gal / 200ml 4 oz
8"	3.0"	1" FNPT	2.61	9885	334	.10gal / 500ml 8 oz
12"	3.0"	2" FNPT	5.88	22,240	752	.5gal / 1000ml 16 oz

**Example** below specifies a 1" acrylic column 18 inches long graduated in 5 milliliter increments with PVC end caps and having 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.



**END CAP/FLANGE MAT'L AVAILABLE**

PVC  
ACRYLIC

- Note 1: Dia. Determines the available graduation / readout type
- Note 2: Maximum viewable length is 57 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 85200 SAMPLE SPECIFICATION**

There shall be provided an Indico Model 85200 Calibration Column made of acrylic 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 or acrylic 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, Cubic Centimeters, Inches, or Ounces as determined by installation and pump requirements.

INDICO MODEL 85200 CALIBRATION COLUMNS ARE MANUFACTURED BY  
VALCOM DIVISION OF TRI, WALPOLE, MA 02081

**800-394-5583**

**INDICO® MODEL 85200  
ACRYLIC CALIBRATION COLUMNS**

81 Diamond St. Walpole, MA 02081  
PH 508-668-5583 FAX 508-668-5203