



# CALIBRATION COLUMN

MODEL ICP



## Overview

Calibration Column is a cylindrical shaped glass tube having marked volume scale mainly used to determine the flowrate of chemical metering pump. It provides a simple and accurate method to calibrate pump flowrate in chemical dosing applications and typically installed on the suction line of metering pump.



## Working Principle

Calibration Columns are generally installed on the suction side of dosing pumps, aiming to calibrate dosing rates over time. Mostly, calibration pots are sized on the basis of dosing volumes over 30 or 60 seconds.

While in operation, the pots are filled with the dosing fluid. The pump is then switched on and fed only from the calibration column. The consumed volume from the column is then compared to the dosing rate of the pump. Further corrections and adjustments may be made thereafter.



## Salient features

- Easy to Clean
- Rugged PVC construction
- Protected Calibration Scale available.
- Available volumes range from 25 ml to 25000 ml.
- Traceability and 3.1 Material Test Certificates available for metallic wetted parts.
- Every unit undergoes a hydrotest at a minimum pressure of 1 bar for 10 minutes. Pressure tests upto 8 bar maybe conducted on request.

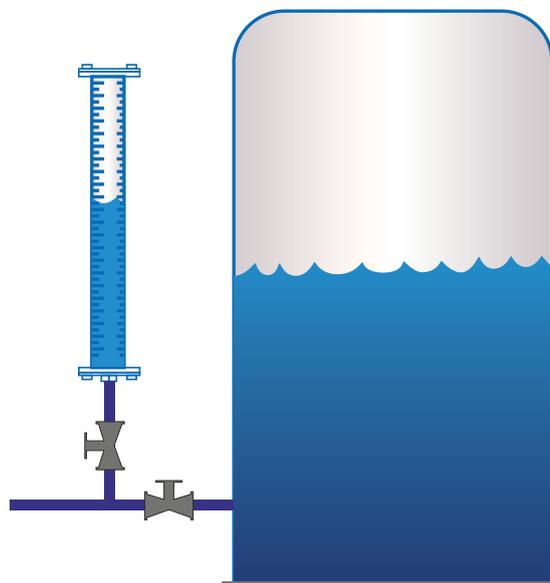


## Specifications

<b>Mounting</b>	Vertical
<b>Top Side Vent</b>	Flanged or Threaded
<b>Bottom Side Drain</b>	Flanged or Threaded
<b>O Ring</b>	PTFE, EPDM
<b>Volume</b>	25ml to 50000ml
<b>End Plates</b>	SS316L, Hastelloy C, PTFE, PVC, PVDF, Titanium, Duplex Stainless Steel, Monel, PTFE
<b>Tube</b>	Borosilicate Glass, Clear PVC
<b>Scale</b>	Directly Engraved on the Tube, Traffolyte / SS Scales available on request
<b>Max. Operating Pressure</b>	Upto 8 bar



## Diagram: Schematic Version



## Standard Connections and Sizes

<b>Volume (ml)</b>	25	50	100	250	500	1000	2000	3000	4000	5000	7500	10000	15000	20000
<b>Vent Size</b>	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"	1"
<b>Drain Size</b>	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"	1"

<b>Volume (ml)</b>	25000	30000	40000	50000
<b>Vent Size</b>	1"	1"	1"	1"
<b>Drain Size</b>	1"	1"	1"	1"

## Ordering Information

Model Code : ICP - X<sub>1</sub> X<sub>2</sub> X<sub>3</sub> X<sub>4</sub> X<sub>5</sub> X<sub>6</sub> X<sub>7</sub> X<sub>8</sub> X<sub>9</sub>

CC Line	X <sub>1</sub>
Specify CC line in Liters	XXXX

Material	X <sub>2</sub>
PVC	PV
CPVC	CPV
PP	PP
PVDF	PVD
SS	SS

Drain Connection Type	X <sub>3</sub>
NPT thread	N
BSP Thread	M
150# RF Flange	A
150# FF Flange	B
Special (Specify)	X

Drain Connection Size	X <sub>4</sub>
1/4"	01
1/2"	02
3/4"	03
1"	04
1 1/2"	05
2"	06
Special (Specify)	X

Vent Connection Type	X <sub>5</sub>
NPT thread	N
BSP Thread	M
150# RF Flange	A
150# FF Flange	B
Special (Specify)	X

Vent Connection Size	X <sub>6</sub>
1/4"	01
1/2"	02
3/4"	03
1"	04
1 1/2"	05
2"	06
Special (Specify)	X

End Cap Options	X <sub>7</sub>
Flanged	F
Valve	V

End Cap Material	X <sub>8</sub>
SS 316	SS
PTFE	PTF
PVDF	PVD
Hastelloy	HS
Monel	MN
Special (Specify)	XXXX

End Plate Material	X <sub>9</sub>
SS316L	A
PTFE	B
PVDF	C
Hastelloy C276	D
Monel	E
Special (Specify)	X

## How To Order

ICP - 1000 - PV - N - 01 - N - 01 - F - SS - A

1000: CC Line = 1000ml

PV: Material = PVC

N: Drain Connection Type = NPT thread

01: Drain Connection Size = 1/4"

N: Vent Connection Type = NPT thread

01: Vent Connection Size = 1/4"

F: End Cap Options = Flanged

SS: End Cap Material = SS 316

A: End Plate Material = SS316L

## Why Choose Us?

With our manufacturing presence in SAIF Zone, Sharjah, UAE, we are able to offer



Variety of Graded Raw Material, sourced from Europe, Japan & North America



Intrusive Stage-wise Inspections as per Requirements



10+ years of Experience in Operation



Instant Availability Of Spare Parts



200+ Clients Worldwide



Team of 30+ Technical Professionals



Compliance to NDE Requirements as per Project Specifications



Prompt Site Service Support within the UAE And GCC



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