

TECHTROL CALIBRATION POT "TCP"

It is simple & economical method of monitoring the flow rate of dosing chemical through a metering pumps.



CE Glass Measuring Jar
W/o shield x PP MOC



PP Measuring Jar
with Tubular Gauge



Glass Measuring Jar
with Shield x SS MOC



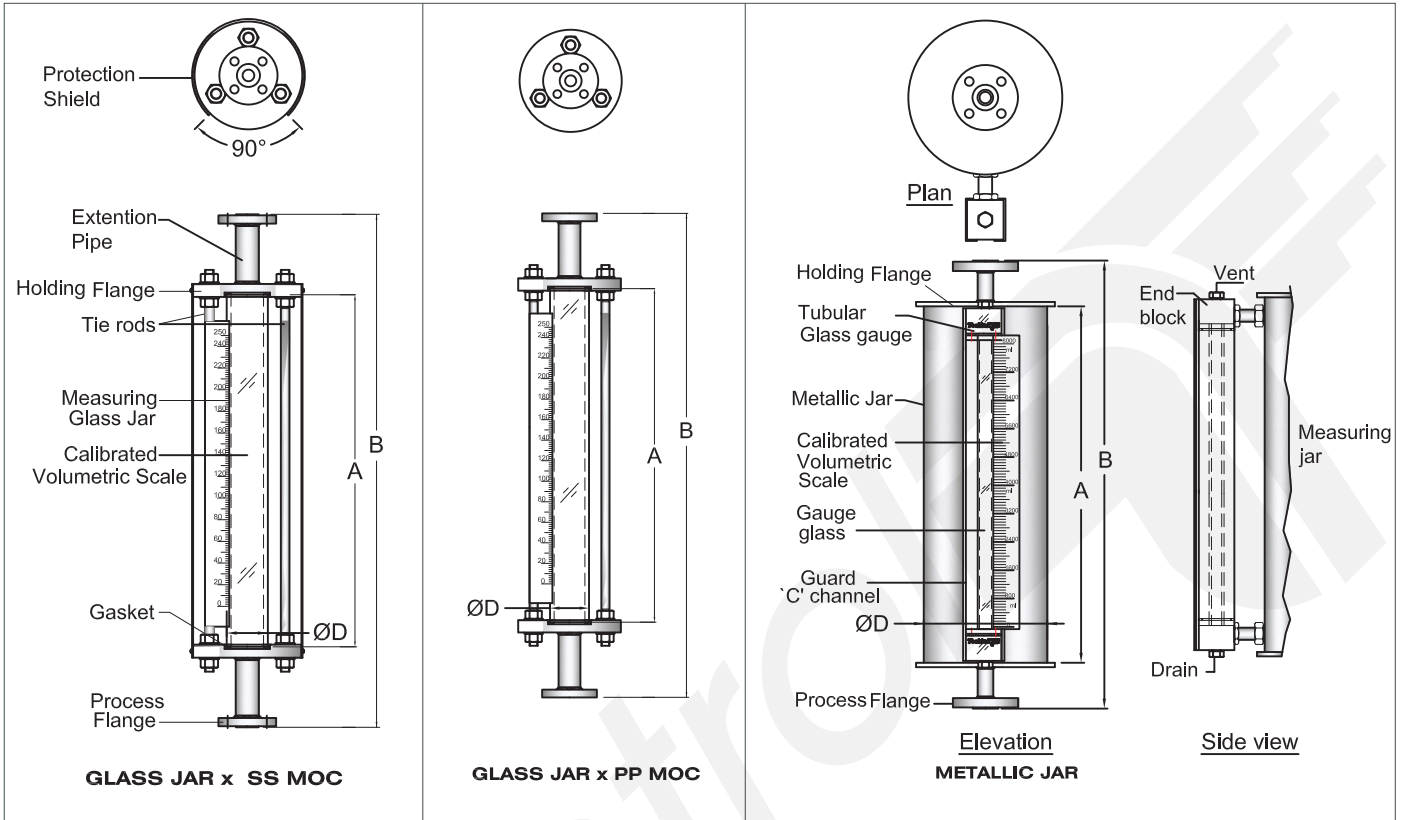
SS Measuring Jar
with Tubular Gauge

CONSTRUCTION

Calibration pot is available in glass jar for capacities upto 1500 ml, which is held between two holding flanges through tie rods with suitable gaskets to provide leak-proof joint and provided with process flanges at top and bottom. The measuring jar is calibrated for volume and provided with volumetric scale. The calibration pot is protected by a stainless steel shield with a front opening to provide visual indication through transparent jar.

For higher volume capacities upto 20000 ml, it is available in stainless steel or pp measuring jar, which is held between two holding flanges and provided with process flanges at top & bottom. A tubular glass gauge with CS channel guards is mounted in front for visual indication. The measuring jar is calibrated for volume and provided with volumetric scale on side of gauge.

SCHEMATIC DIAGRAM



SPECIFICATIONS

Volume Capacity	Min- 10 ml, Max- 1500 ml		Min- 1501 ml to 20000 ml	
Measuring Jar	Glass		SS304/316/316L or Supper Duplex, Hastalloy C, Titanium	PP
MOC of Holding Flange / Process Connection	SS304/316/316L or Supper Duplex, Hastalloy C, Titanium	PP	SS304/316/316L or Supper Duplex, Hastalloy C, Titanium	PP
MOC of Tubular Gauge x 'C' Channel Guards	NA		SS304/316/316L or Super Duplex, Hastalloy C, Titanium x CS 'C' channel guards	PVDF x CS 'C' channel guards
Tie Rods MOC	SS304/316	SS316 with PVC ctg. (std) SS316 with PTFE ctg.(option)	NA	
Protection Shield MOC	SS304/316 (std)	NA	NA	
Process Connection Type	½", ¾" or 1" NB ASME Flange		½", ¾" or 1" NB ASME Flange	
	½" NPT (F)	NA		
Gasket/ Packing	PTFE			
Calibrated Scale	SS304 or SS316 with black graduations & numerical			
Max. Temperature	70 °C			
Max. Pressure	1 kg/cm ²		5 kg/cm ²	1 kg/cm ²

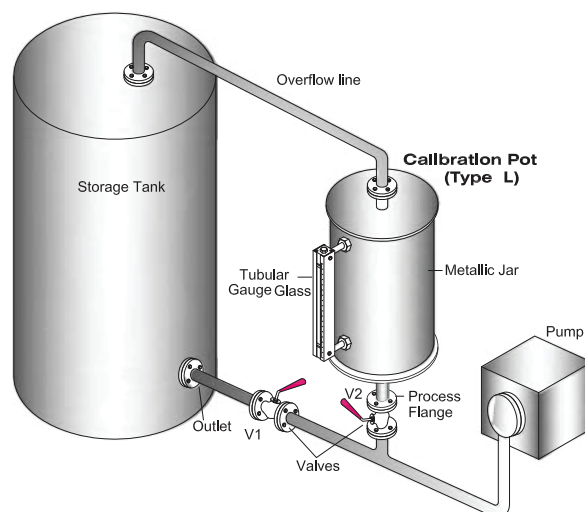
VOLUME CAPACITY VS DIA. OF MEASURING JAR X FF DISTANCE

Glass Measuring Jar		
Vol. Capacity (ml) 'V'	Dia. of Measuring Jar (mm) 'ØD'	FF Distance (mm) 'B'
10 to 20	16	420
21 to 35	19	474
36 to 60	25	462
61 to 85	28	470
86 to 180	38	465
181 to 280	46	460
281 to 500	59	465
501 to 900	75	469
901 to 1300	87	490
1301 to 1500	115	440

SS or PP Jar		
Vol. Capacity (ml) 'V'	Dia. of Measuring Jar (mm) 'ØD'	FF Distance (mm) 'B'
1501 to 3000	114	494 to 616
3001 to 8000	141	483 to 870
8001 to 20000	273	396 to 705

INSTALLATION & OPERATION

TCP is installed between the suction side of a chemical pump and storage tank. The system is provided with valve on outlet of storage tank and inlet of calibration pot. The pumping flow rate (ml/min) can be checked by observing change in liquid volume in calibration jar for a fixed time period with 'Pump-On'. Pump flow rate verification on a periodic basis & especially after maintenance is very essential for system accuracy.



MODEL IDENTIFICATION

TCP -						
1. MOC of Measuring Jar						
Glass (upto 1500 ml)	G					
SS304	N					
SS316	S					
SS316L	L					
PP	P					
Others	O					
2. MOC of Holding Flange, Process Connection						
SS304		N				
SS316		S				
SS316L		L				
PP		P				
Others		O				
3. MOC of Tie Rods						
Not Applicable (Metallic/ PP measuring jar)			W			
SS304			N			
SS316			S			
SS316 with PVC coating			T			
Others			O			
4. MOC of Tubular Gauge						
Not Provided (Glass measuring jar)				W		
SS304				N		
SS316				S		
SS316L				L		
PVDF (PP measuring jar)				V		
Others				O		
5. MOC of Shield						
Not Provided (Metalic/PP measuring jar or glass jar with PP holding flange/process Connection)					W	
SS304					N	
SS316					S	
Others					O	
6. Process Connection						
½" NB ASME 150# Flange						1
¾" NB ASME 150# Flange						2
1" NB ASME 150# Flange						3
½" NPT (F) Screwed (upto 1500 ml x metallic Pr. Connection)						4
Others						0
7. MOC of Calibrated Scale						
SS304						N
SS316						S
Others						O

ORDERING INFORMATION

Model number x Capacity along with Liquid, Scale calibration (in cm³, m³, ml, Ltr, LPH), Zero starting of scale from top or bottom, Operating Temperature & Pressure.

APPLICATIONS

Metering/ Dosing Pumps in Waste Water Treatment Plants, Effluent Treatment Plants, Pharmaceuticals and Chemical Industries.

PUNE TECHTROL PRIVATE LIMITED

CIN: U31909PN1991PTC063403

Regd. & Sales: S-18, MIDC Bhosari, Pune - 411026, India
+91-20-66342900 | ho@punetechtrol.com

Works: J-52/7, MIDC Bhosari, Pune - 411026, India
+91-20-67313600 | <https://www.punetechtrol.com>



*All dimensions in mm except specified