

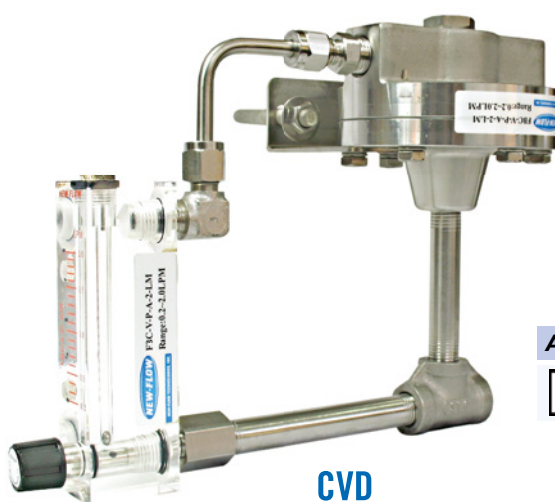
NEW-FLOW

MANUFACTURE OF FLOW CONSTANT VALVE FOR PURGE METER
CVA / CVD

Instruction Manual



CVA



CVD

Approvals:



NEW-FLOW TECHNOLOGIES, INC.

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INSTALLATION

Technical Data

The CVA series is used in where the pressure at the inlet is variable and the pressure at the outlet is constant.

The CVD series is used in where the pressure at the inlet is constant and the pressure at the outlet is variable.

Flow Rate:

Liquid: Maximum 200 cc/min water, bigger than it on request

Gas: Maximum 30 NL/Min air, bigger than it on request

Process Connection: 1/4"NPT female, others on request

Temperature Limit: 120°C max.

Pressure Limit: 10 kg/cm², bigger than it on request

Controllable Differential Pressure: Air minimum 0.02 kg/cm²

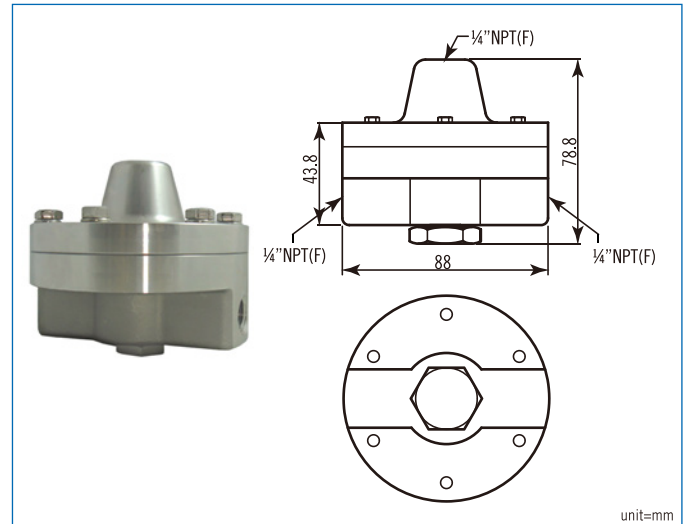
Maximum 4 kg/cm², liquid minimum 0.2 kg/cm²

Maximum 4 kg/cm², special range on request

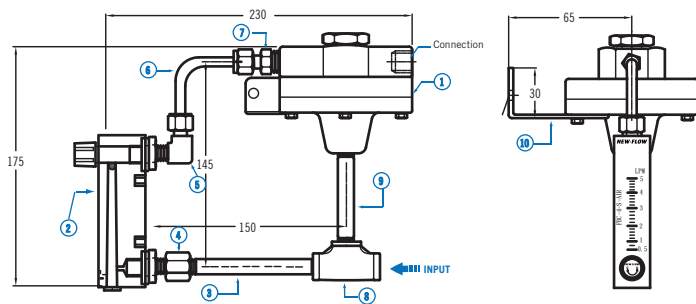
Accuracy: ±5% F.S.

Material: Body and metal parts-316 stainless steel

Membrane-Teflon, option on request



CVD

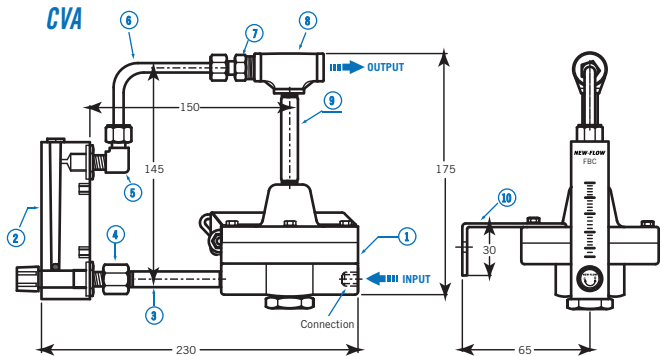


Material	Connection	Flow Constant Valve Model	Flow Meter Model	Range

Parts List

Item	Part name	Material	Remarks
1.	CVD Constant Valve	SS316	
2.	FBC Flowmeter	Body Acrylic plastic	
3.	Nipple	SS316	1/4" x 1/4"NPT(M)
4.	Half Union	SS316	ø6 x 1/4"NPT(M)
5.	90° Half Union	SS316	ø6 x 1/4"NPT(M)
6.	Tube ø6 mm	SS316	
7.	Half Union	SS316	ø6 x 1/4"NPT(M)
8.	Tee	SS316	1/4"NPT x 1/4"NPT(F)
9.	Nipple	SS316	1/4" x 1/4"NPT(M)
10.	Mounting port	SS316	

CVA

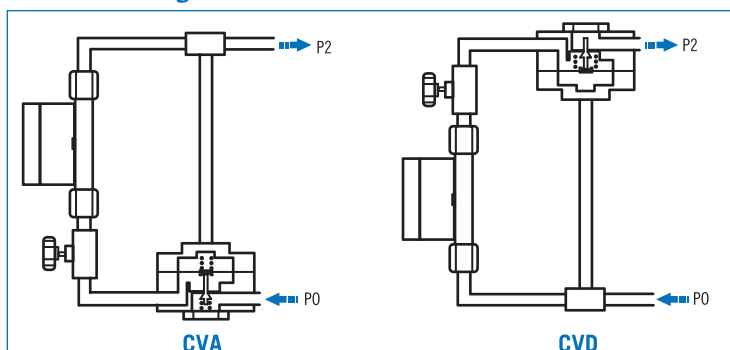


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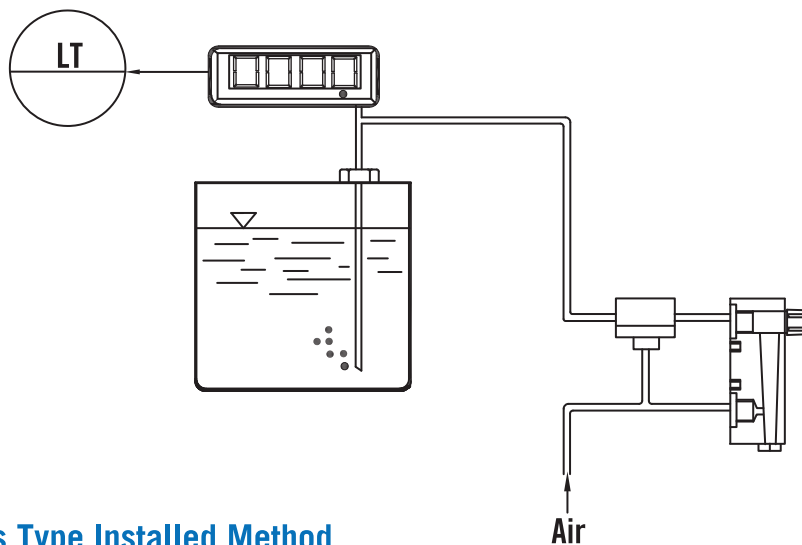
Installed Drawing



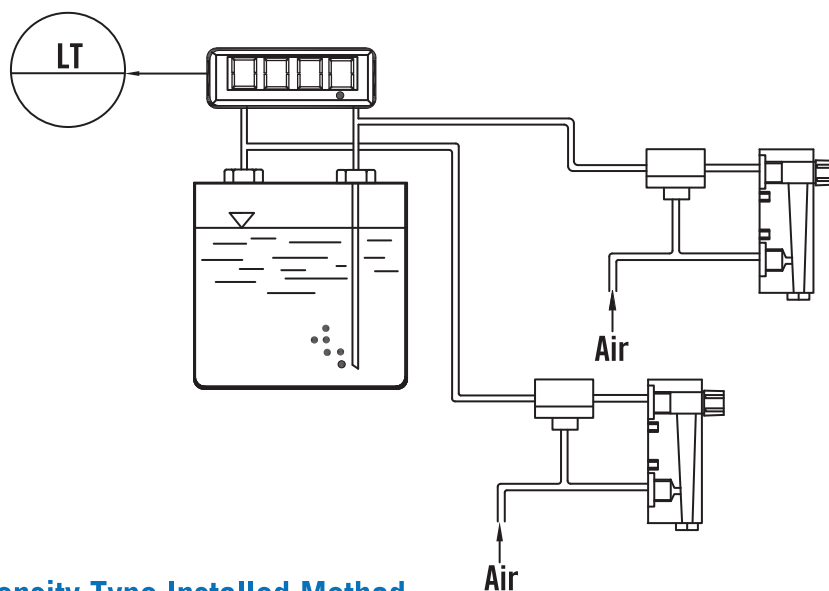
INSTALLATION

Installed Method

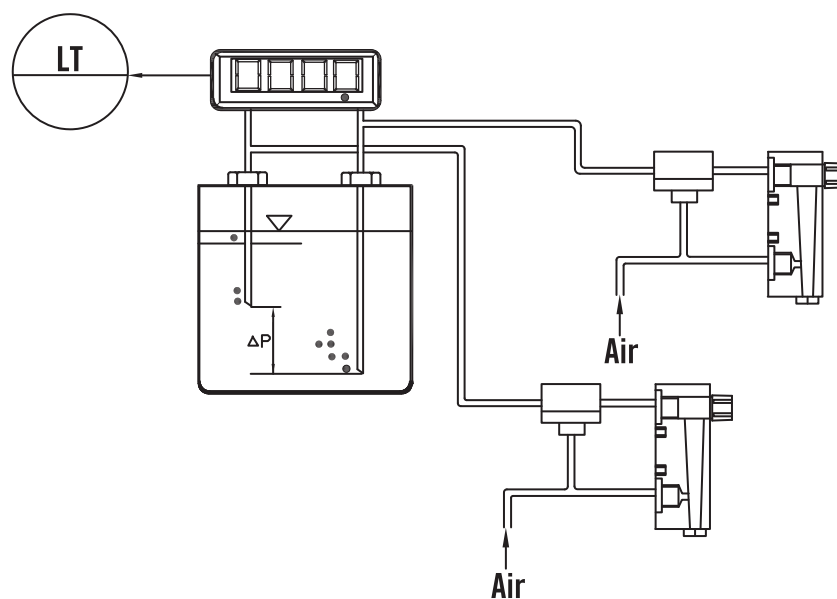
Open Tanks Type Installed Method



Closed Tanks Type Installed Method



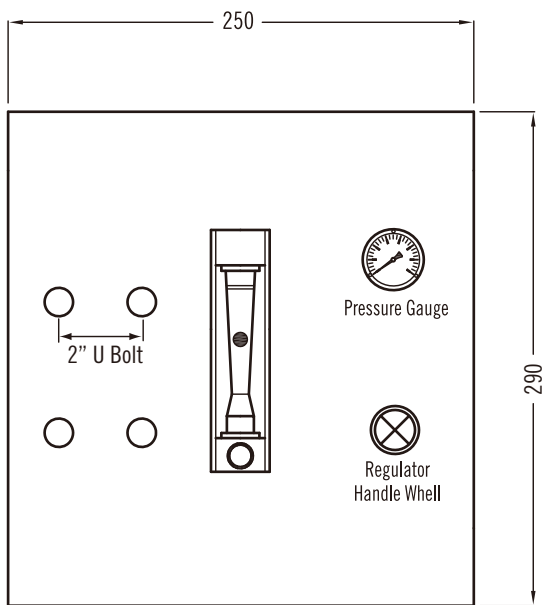
Measuring Density Type Installed Method



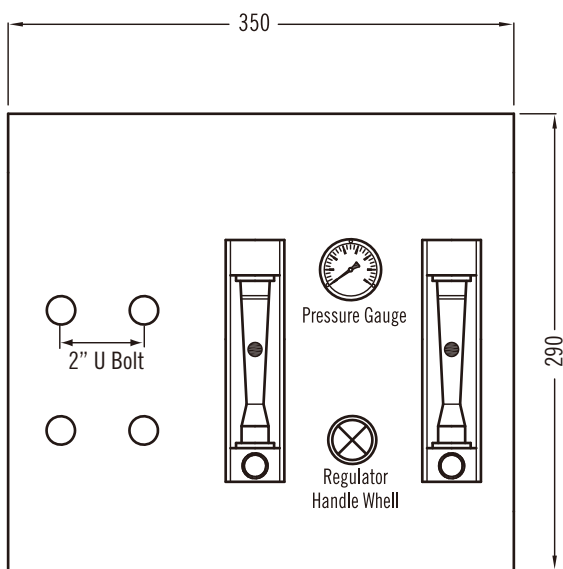
INSTALLATION

Purge Set W/Panel

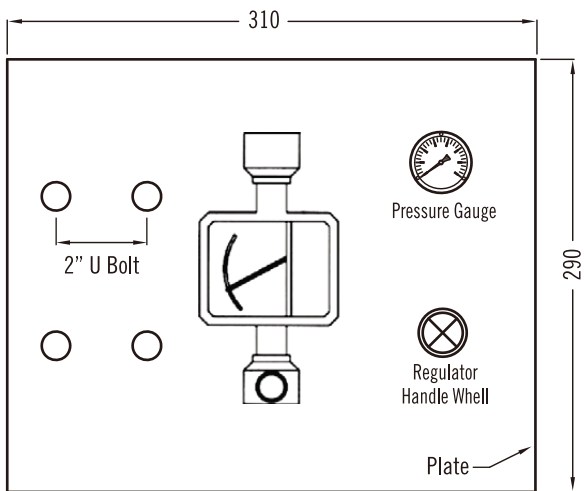
Glass Tube Flow Meter– One Set



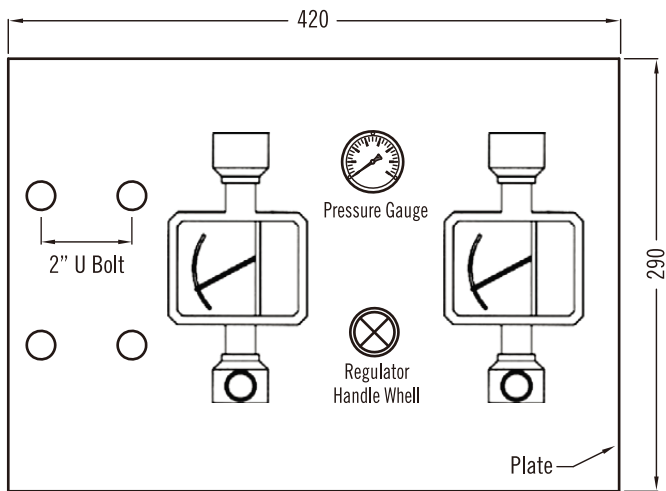
Glass Tube Flow Meter– Two Set



Metal Tube Flow Meter– One Set



Metal Tube Flow Meter– Two Set



unit=mm