



EUREKA

AN ISO 9001:2008 CERTIFIED COMPANY

POLYCARBONATE ROTAMETER



**EUREKA
INDUSTRIAL
EQUIPMENTS
PVT. LTD.**

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VARIABLE AREA FLOWMETER

TYPE A MODEL : PC-1 TO PC-5 (POLYCARBONATE TUBE)

Eureka variable area flowmeters works on a principle of variable area. The float moves freely up and down in the tapered polycarbonate tube with fluid flow from bottom to top. The float takes up a position where the buoyancy forces and the float weight are balance in proportion to flow rate. The vertical position of the float as indicated by scale is the measure of the instantaneous flow rate.

MATERIAL OF CONSTRUCTION

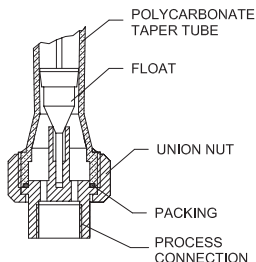
Tube	Polycarbonate
Float	SS316 OR PTFE, Others on request
Packings	Neoprene, Silicon, Viton
End Fittings	Polypropene or PVC
Accessories	High & Low flow switch on request.

PERFORMANCE

Accuracy	+ _ 2% of full flow
Repeatability	0.5%
Rangeability	10 : 1
Scale Length	170-240 mm depending upon flow
Max. Temp	Upto 60° C
Connections	Flanged or Threaded

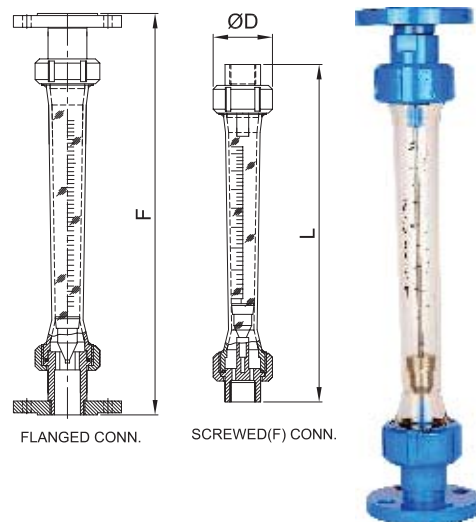
STANDARD RANGES

NB	Tube Size	FLOW RATES		Test Pressure KG/CM2 G	Pressure Drop mmWC
		Water At Amb. Temp LPH	Float Material		
15	PC-1-1	10-100	SS316/304SS	15	140
	PC-1-2	6-60	SS316/304SS (M)		140
	PC-1-3	4-40	PTFE		80
20	PC-2-1	60-600	SS316/304SS	15	360
	PC-2-2	40-400	PTFE (LL)		360
	PC-2-3	25-250	PTFE (LS)		330
	PC-2-4	16-160 **	PTFE (M)		270
25	PC-3-1	250-2500	SS316/304SS	15	650
	PC-3-2	160-1600	PTFE (LL)		550
	PC-3-3	100-1000	PTFE		475
	PC-3-4	60-600**	PTFE		475
40	PC-4-1-A	400-4000	SS316/304SS	7*	950
	PC-4-1-B	300-3000	SS316/304SS		950
	PC-4-2	250-2500	PTFE (LL)		310
	PC-4-3	160-1600	PTFE		250
50	PC-5-1	1000-10000	SS316/304SS	5*	950
	PC-5-2	600-6000	PTFE (LL)		450
	PC-5-3	400-4000	PTFE		375
	PC-5-4	1200-12000	SS316/304SS (LL)		1100



*Under Updation
**Range with smaller scale length.

NOTE :
TUBE & FLOAT COMBINATIONS OTHER THAN SPECIFIED ABOVE ARE NOT POSSIBLE.



Data required for sizing

- Name of fluid
- Sp.gr. of fluid at operating temperature
- Viscosity of fluid at operating temperature
- Operating temperature
- Operating pressure
- Measuring range
- Material of construction desired

OVERALL DIMENSIONS

NB	F	L	ØD
15	465	415	60
20	465	415	60
25	475	425	75
40	500	450	90
50	525	475	108

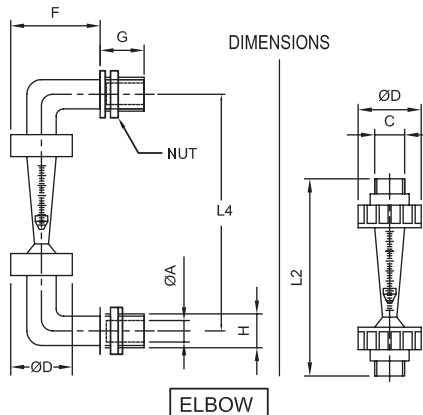
TYPE B MODEL : PCS-10-40 , PLS-30-40, PCL-50-92 (POLYCARBONATE TUBE)

COMMON SPECIFICATION :

MATERIAL OF CONSTRUCTION

End Connection	PVC
Float	ABS
Fluid	Water at Max Pressure 10 Bar (G) Max Temperature 60° C
Accuracy	+ -4% FS, Optional : Better Accuracy
Enc Connection	Optional - Flange

SR NO	TUBE MOC	RANGE	END CONNECITON	MODEL NO.
1	Polycarbonate	50-500 LPH	Elbow 1/2" BSP (M)	PCS-10-R-15-BM
2	Polycarbonate	100-1000 LPH	Elbow 1/2" BSP (M)	PCS-20-R-15-BM
3	Polycarbonate	160-1600 LPH	Elbow 3/4" BSP (M)	PCS-30-R-20-BM
4	Polycarbonate	250-2500 LPH	Elbow 3/4" BSP (M)	PCS-40-R-20-BM
5	Plastic	160-1600 LPH	3/4" BSP (M)	PLS-30-V-20-BM
6	Plastic	250-2500 LPH	3/4" BSP (M)	PLS-40-V-20-BM
7	Polycarbonate	0.4-4 M3/HR	1" BSP (M)	PCL-50-V-25-BM
8	Polycarbonate	0.6-6 M3/HR	1" BSP (M)	PCL-60-V-25-BM
9	Polycarbonate	1-10 M3/HR	2" NPT (M)	PCL-70-V-50-NM
10	Polycarbonate	1.6-16 M3/HR	2" NPT (M)	PCL-80-V-50-NM
11	Polycarbonate	5-25 M3/HR	2 1/2" NPT (M)	PCL-90-V-65-NM
12	Polycarbonate	8-40 M3/HR	2 1/2" NPT (M)	PCL-91-V-65-NM
13	Polycarbonate	12-60 M3/HR	2 1/2" NPT (M)	PCL-92-V-65-NM



MODEL NO	ØD	ELBOW				
		L4	F	G	A	H
PCS-10-R-15-BM	Ø51	235	56	30	Ø13	1/2" BSP (M)
PCS-20-R-15-BM	Ø60	275	68	30	Ø20	3/4" BSP (M)



MALE

MODEL NO	ØD	MALE L2	C
PLS-30-V-20-BM	Ø59	250	3/4" BSP (M)
PLS-40-V-20-BM	Ø72	310	1" BSP (M)
PCL-50-V-25-BM	Ø98	400	2" NPT (M)
PCL-60-V-25-BM	Ø120	445	2 1/2" NPT (M)
PCL-70-V-50-NM			
PCL-80-V-50-NM			
PCL-90-V-65-NM			
PCL-91-V-65-NM			
PCL-92-V-65-NM			