



M123

Flow meter



DATASHEET

Specifications

Accuracy : $\pm 4\%$

Measuring Tube material : PSU (Polysulfone)

Float material : PVDF

O-Ring : EPDM , Option : FPM

Working pressure : 10 bar @ 20°C

Working temperature : 0 - 90°C (90°C @ 1 Bar)

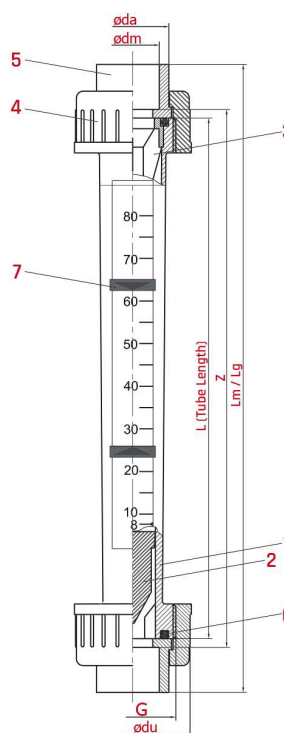
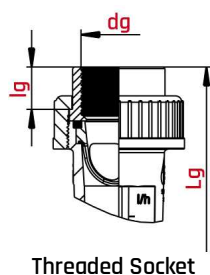
Connection : ASTM Solvent Socket, Option : Thread, Flange

Accessories : Min. / Max. Limit Switch

DN	dm	Flow Range (L/h)	PVDF Float Code	PVDF Float with Magnet Code
10	16	1.5 - 15	73771	75575
10	16	2.5 - 25	73772	75576
10	16	5 - 50	73773	75577
10	16	10 - 100	73774	75578
15	20	8 - 80	73775	75579
15	20	15 - 150	73776	75580
15	20	20 - 200	73777	75581
25	32	15 - 150	73778	75582
25	32	30 - 300	73779	75583
25	32	50 - 500	73780	75584
25	32	100 -1000	73781	75585

Parts List & Materials

No.	Part Name	Qty.	Material
1	Measuring tube	1	PSU
2	Float	1	PVDF
3	Insert, top / bottom	2	PVDF
4	Union nut	2	UPVC
5	End connector	2	UPVC
6	O-Ring	2	EPDM, FPM
7	Setpoint indicator	2	PS



End Connector Option



M123 Series Dimension (mm)

Flow Range (L/h)					ASTM Socket			Female Thread		
	DN	Du	G	L	dm	Z	Lm	dg	Lg	Ig
1.5 - 15	10	35	¾"	165	16	171	199	3/8"	199	11
2.5 - 25										
5 - 50										
10 - 100										
8 - 80	15	43	1"	185	20	191	223	½"	223	13
15 - 150										
20 - 200										
15 - 150	25	60	1 ½"	200	32	206	250	1"	250	17
30 - 300										
50 - 500										
100 -1000										

Accessories

- Limit switch Z40 min. (N.C)
- Limit switch Z42 max. (N.O)

Limit Switch Technical Data

Switching voltage*	max. 250VAC
Switching capacity*	max. 10W/10VA
Switching current*	max. 0.5 A
Contact resistance	<150 mΩ
Insulation resistance	>1011Ω
Permissible ambient	0 to 55°C
Protection class acc.	DIN 40050-P 65
Switch-on and switch-off hysteresis	1-2 mm float travel



Limit Switch

* Even a brief overshoot is not permissible. Especially with inductive or capacitive peaks, such as solenoid valves, this is uncontrollable. It is recommended to use a limit switch or a contact protection relay.

Switching State

Limit Switch	Float (above)	Float (below)
Z40 min. (Code : 77287)	Open	Closed
Z42 max. (Code : 77288)	Closed	Open

