FLOW METER SERIES M23 FULL SIZE

SPECIFICATIONS:

Material:
PA (polyamide)
PSU (polysulfone)

Size:
1" - 2.5"

Range:
0.066 - 2.64 USGPM

O-Rings:
EPDM standard (Viton optional)

Accessories:
Limit switches

FEATURES:

- · Break and corrosion proof
- May be inserted and removed radially
- · Available with special scales for almost all liquids and gasses
- Guide rail for accessories
- Limit switches, flow transmitters for remote indication
- · Measuring tube labeled with nominal diameter, measuring range and material
- PVDF plastic floats and inserts are standard
- Available in measuring ranges from 15-60 l/h

Operation:

The type M23 plastic flowmeter is based on the well known "suspended float" principle and is used for measuring and monitoring flows in closed pipes. The medium flows upwards through the flowmeter and raises the float. The flow ate can be read off against the scale on the flowmeter body. The indication point corresponds to the largest diameter of the float.

The standard type M23 plastic flowmeter is fitted with a scale for water and two limit indicators.



FLOW METER SERIES M 23 FULL SIZE

Dimensions in mm	Weight in	kg/pc.
------------------	-----------	--------

						solven	t				butt		S	butt		S					
Range						cemen	t		fusion		fusion	1	SDR	fusion	ı	SDR				PVC	
l/h	DN	dü	G	L		socket			socket	S	ocket I	PР	11 S	ocket I	PP	33				PA	
H20					dm	Z	Lm	dm	Z	Lm	d	Ls	S	d	Ls	S	dg	Lg	lg	PSU	PVDF
15-150																					
50-500	25	60	1.5"	335	32	341	385	31.5	345	381	32	455	3	32	443	2.4	1"	385	22	0.41	0.52
100-1000																					
200-2000	40	83	2.25"	335	50	341	403	50	345	391	50	467	4.6	50	459	3	1.5"	403	23	1.02	1.22
300-3000																					
600-6000	50	103	2.75"	335	63	341	417	63	345	399	63	473	5.8	63	461	3	2"	418	24	1.38	1.68
1200-12000																					
2000-20000																					
3000-30000	65	122	3.5"	335	75	341	429	75	345	407	75	753	6.9	75	453	3.6	-	-	-	2.15	2.9
8000-60000																					

Pressure losses:

Measuring	15-150	50-500	100-1000	200-2000	300-3000	600-6000	1200-12000	2000-20000	3000-30000	8000-60000
range l/h										
Pressure loss										
mm Ws	185.3	185.3	185.3	251.6	251.6	254.8	251.6	254.8	251.6	335.7

Fittings with solvent cement / fusion sockets

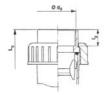
Fittings with butt fusion sockets



Parts:

- measuring tube
- 2. suspended float
- 3. lower insert
- 4. upper insert
- 5. union
- 5. inserts (fusion, butt fusion)
- 7. O-ring
- 8. limit indicator

Fittings with internal female thread





FLOW METER SERIES M123 (COMPACT)

SPECIFICATIONS:

Material: PSU (Polysulfone) and PVC

Range: 0.0066 - 4.4 USGPM

Size: 3/8" - 1"

O-rings: EPDM standard (Viton optional)

End connectors: PVC union ends for PVC and PSU models

Also available in FNPT unions

Float: PVDF on all models

Head Loss: 3/8" and 1/2" flow meters: 1.81" water column or 0.066 psi

1/2" flow meters: 3.26" water column or 0.12 psi

FEATURES:

- · Rugged and corrosion proof
- May be inserted and removed radially
- · Available with special scales for almost all liquids and gasses
- Guide rail for accessories
- · Measuring tube labeled with nominal diameter, measuring range and material
- PVDF plastic floats and inserts are standard
- Available in measuring ranges from 1.5-1.000 l/h
- Less space required due to short unit length

Operation:

The type M123 plastic flow meter is based on the well known "suspended float" principle and is used for measuring and monitoring flows in closed pipes. The medium flows upwards through the flowmeter and raises the float. The flow rate can be read off against a scale on the flowmeter body. The indication point corresponds to the largest diameter of the float.

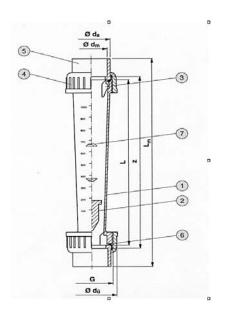
The standard M123 plastic flowmeter is fitted with a scale for water and two limit indicators.



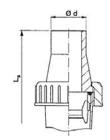
FLOW METER SERIES M 123 (COMPACT)

Dimensio	ns in	mm														Wei	ight in kg
Range l/h H ₂ O DN dü G L S				Solv	Solvent sockets			Fusion sockets			Butt fusion			ided s	PSU		
					dm	Z	Lm	dm	Z	Lm	d	Ls	S	dg	Lg	lg	
1.5-15	10		0/1"		.(100			221				a / O !!	100		2.20
2.5-25	10	35	3/4"	165	16	171	199	15.5	175	201				3/8"	199	11	0.08
5-50 10-100																	
8-80																	
15-150	15	43	1"	185	20	191	223	19.5	195	223	20	293	1.9	1/2"	223	13	0.13
20-200		1,5		,										,			
15-150																	
30-300																	
50-500	25	60	1 1/2"	200	32	206	250	31.5	210	246	32	320	3.0	1"	250	17	0.24
100-1000)																
Pressure	e loss	es:															
Measuri	ng	:	1.5-15	2.5-25	5-5	0	10-100	8-8	0	15-150	20-2	200	15-150	30-3	00	50-500	100-1000
range l/	h																
Pressure	e loss																
mm Ws			46.0	46.0	46.	.0	46.0	44.	7	44.7	44	· · 7	82.8	82.	8	82.8	82.8

Fittings with solvent cement / fusion sockets



Fittings with butt fusion sockets



Parts:

- Measuring tube
- 2. Suspended float
- 3. Insert
- 4. Union
- 5. Tube insert
- 6. 0-ring
- 7. Limit indicator

Fittings with internal female thread

