

VARIABLE AREA FLOW METER

LZS SERIES - ACRYLIC PLASTIC ROTAMETER

Flow Measurement
& Monitoring



DESCRIPTION

The LZS series of flowmeters operates according to the proven variable area principle. The float gets lifted by the flowing medium and indicates the flow with its upper edge on the scale attached to the device. If floats with integrated magnets are used, optionally, alarm contacts can be attached to the device. All devices possess a union glue connection type on the measuring tube. As an option, also threaded fittings made of PVC can be supplied. The main areas of application are water treatment, effluent technology, chemical and food processing industries and many others.

TECHNICAL FEATURES

FEATURES

- ✓ For clean water use
- ✓ Easy to read silkscreened scale
- ✓ Injection molded for liquid
- ✓ Simple and robust design with high operational safety
- ✓ Low pressure drop
- ✓ Easy to assemble
- ✓ Optional alarm contacts

Float Material	ABS
Guiding Rod Material	Stainless Steel
Tube Material	SAN (Styrene Acrylonitrile Resin) PC (Polycarbonate) (Optional)
Connection Material	PVC
O-ring	Viton
Pressure	Max 6 Bar
Temperature	Max 60°C
Accuracy	±5% M.V
Mounting Position	Vertical, flow from bottom to top
Connection	Union ends to suit BS standard (DN15 to DN65) DIN Flange type (DN80 to DN150) Threaded (optional)
Alarm Contact (optional)	High limit - KF951 (DN15 to DN50 only) Low limit - KF952 (DN15 to DN50 only)



FLOW / SPECIFICATIONS

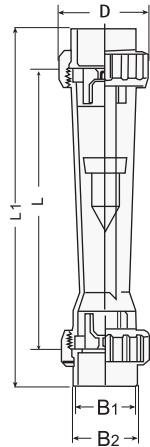
DN (mm)	Model	Measuring Range		Glue (mm)	Male	Female	Elbow
15	KN-15-B-40	4	- 40 L/h	Ø20	½" NPT ¾" NPT	½" BSP	½" BSP ½" NPT
	KN-15-B-60	6	- 60 L/h				
	KN-15-B-100	10	- 100 L/h				
	KN-15-B-160	16	- 160 L/h				
	KN-15-B-250	25	- 250 L/h				
	KN-15-B-400	40	- 400 L/h				
	KN-15-B-600	60	- 600 L/h				
	KN-15-B-1000	100	- 1000 L/h				
25	KN-25-B-1000	0.1	- 1 m3/h	Ø32	¾" NPT	¾" BSP ¾" NPT	¾" BSP ¾" NPT
	KN-25-B-1600	0.16	- 1.6 m3/h				
	KN-25-B-2500	0.25	- 2.5 m3/h				
32	KN-32-B-4000	0.4	- 4 m3/h	Ø40	1" NPT	1" BSP 1" NPT	1" BSP 1" NPT
	KN-32-B-6000	0.6	- 6 m3/h				
50	KN-50-B-4000	0.4	- 4 m3/h	Ø63	2" NPT	2" BSP 2" NPT	2" BSP 2" NPT
	KN-50-B-6000	0.6	- 6 m3/h				
	KN-50-B-10000	1	- 10 m3/h				
	KN-50-B-16000	1.6	- 16 m3/h				
65	KN-65-B-25000	5	- 25 m3/h	Ø75	/	2 ½" NPT	/
	KN-65-B-40000	8	- 40 m3/h				
	KN-65-B-60000	12	- 60 m3/h				
80 (Flange)	KN-80-B-25000	5	- 25 m3/h	/	Hole distance 160mm 8-Ø18 UNI Flange		
	KN-80-B-40000	8	- 40 m3/h				
	KN-80-B-60000	12	- 60 m3/h				
	KN-80-B-80000	15	- 80 m3/h				
100 (Flange)	KN-100-B-60000	12	- 60 m3/h	/	Hole distance 180mm 8-Ø18 UNI Flange		
	KN-100-B-90000	18	- 90 m3/h				
	KN-100-B-120000	20	- 120 m3/h				
125 (Flange)	KN-125-B-120000	20	- 120 m3/h	/	Hole distance 210mm 8-Ø18 UNI Flange		
	KN-125-B-150000	25	- 150 m3/h				
150 (Flange)	KN-150-B-120000	20	- 120 m3/h	/	Hole distance 240mm 8-Ø22 UNI Flange		
	KN-150-B-150000	25	- 150 m3/h				
	KN-150-B-180000	30	- 180 m3/h				



DRAWING / DIMENSION

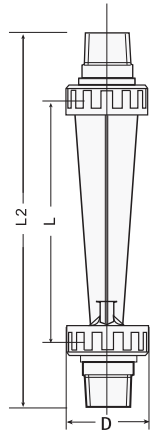
Glue Size

DN (mm)	L1 (mm)	L (mm)	B1 (mm)	B2 (mm)	D (mm)
15	221	171	20	26	53
25	227	171	32	39	59
32	288	224	40	50	72
50	377	290	63	73	98
65	425	325	75	89	120



Male Thread Size

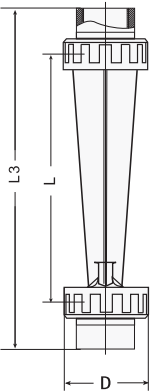
DN (mm)	L2 (mm)	L (mm)	D (mm)
15	237	171	53
25	252	171	59
32	315	224	72
50	395	289	98



DRAWING / DIMENSION

Female Thread Size

DN (mm)	L1 (mm)	L (mm)	D (mm)
15	215	171	53
25	225	171	59
32	288	224	72
50	400	290	98
65	425	325	120



Female Thread Size

DN (mm)	L4 (mm)	C (mm)	N-ØA
15	290	65	4-Ø14
25	310	85	4-Ø14
32	370	100	4-Ø18
50	470	125	4-Ø18
65	525	145	4-Ø18
80	525	160	8-Ø18
100	510	180	8-Ø18
125	510	210	8-Ø18
150	510	240	8-Ø18

