LZB-WB series glass rotameter

1.Description

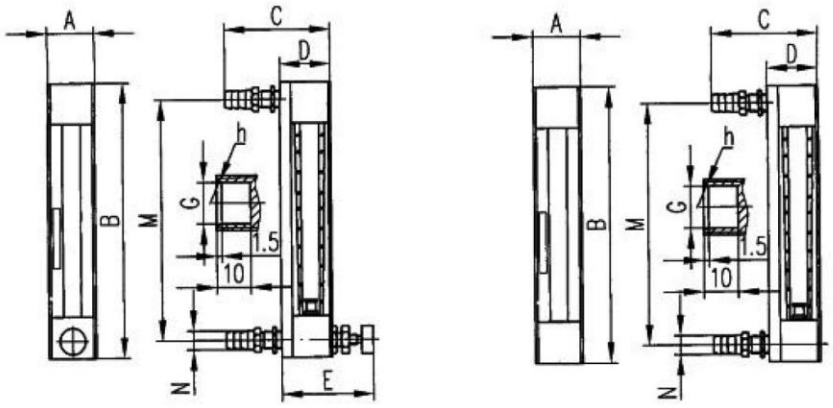
The main measuring components of the glass rotameter are a vertically mounted small upper and large tapered glass tube and a float that can be moved up and down. When the fluid passes through the conical glass tube from bottom to top, a pressure difference is generated between the upper and lower sides of the float, and the float is used for the differential pressure.

When the rising force, the buoyancy and the viscous lift of the float are equal to the gravity of the float, the float is in equilibrium. Therefore, there is a certain proportional relationship between the fluid flow rate flowing through the glass rotor flowmeter and the rise height of the float, that is, the flow area of the glass rotor flowmeter, and the position height of the float can be used as the flow measurement.

2. Specification

DN mm	Model	Ratio	Measuring range		Accuracy	Taper pipe length mm	Fluid	
			Water （20℃）	Gas （1.013×10⁵Pa 20℃）			Temperature℃	Pressure MPa
3	LZB-3W LZB-3WB	10:1	2.5～25ml/min 6～60ml/min 10～100ml/min	0.03～0.3L/min 0.06～0.6L/min 0.1～1L/min 0.15～1.5L/min	4 6	100	-20 -120	≤0.2
4	LZB-4W LZB-4WB		16～160ml/min 25～250ml/min 40～400ml/min	0.3～3L/min 0.6～6L/min 0.7～7L/min	2.5 4			
6	LZB-6W LZB-6WB		0.04～0.4l/min 0.06～0.6l/min 0.1～1l/min	0.7～7L/min 1～10L/min 1.5～15L/min	1.5 2.5			
10	LZB-10W LZB-10WB		0.1～1l/min 0.16～1.6l/min	3～30L/min 5～45L/min		120		

3.Dimensions



DN	Model	A	B	C	D	M	E*	Connection				Install hole
								Hose nozzle	Metal pipe nozzle			
									Male	G	h	
3	LZB-3WF LZB-3WBF	28	136	56	27.5	116	<52	Ø8	M10×1	Ø6.2	SR4	Ø11
4	LZB-4WF LZB-4WBF											
6	LZB-6WF LZB-6WBF			58	29.5		<60	Ø10	M12×1	Ø8.2	SR5	
10	LZB-10WF LZB-10WBF		160	63		140		Ø11	M16×1.5	Ø12.1	SR7	

4. Parts material

Float: Stainless steel

Foundation support:Plating of copper/Carbon steel

Anti-corrosion type foundation support:Stainless steel/Carbon steel with PTFE