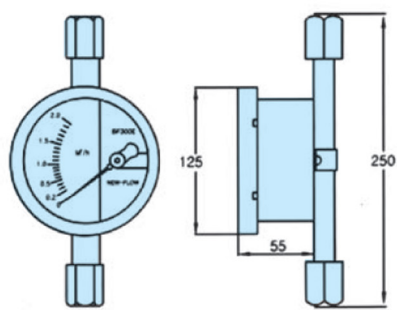


**Specification**

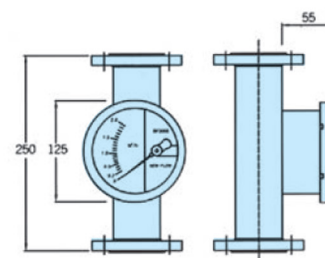
DN (mm)	Measuring range		压力损失(KPa)	Connection
	Water (L/h)	Air m <sup>3</sup> /h		
15	4~30	0.1~1	7.5	G1/2"
	4~40	0.13~1.3	7.5	
	5~50	0.17~1.7	7.5	
	8~80	0.2~2	7.5	
	16~160	0.5~5	7.5	
	18~180	0.6~6	7.5	
	30~300	1~10	7.5	
	50~500	1.5~15	7.5	
	60~600	1.8~18	7.5	
	70~700	2~20	7.5	
20	100~1000	3~30	7.5	G3/4"
25	120~1200	4~40	7.5	G1"
	160~1600	5~50	7.0	
	250~2500	7~70	7.0	
	280~2800	8.5~85	7.0	
	320~3200	9~90	7.0	
	350~3500	10~100	7.0	
40	500~5000	14~140	6.5	G1½"
	600~6000	15~150	6.5	
	700~7000	20~200	6.5	
	800~8000	24~240	6.5	
50	1000~10000	30~300	6.5	G2"
	1200~12000	35~350	6.5	
	1400~14000	40~400	6.5	
	1500~15000	45~450	8.0	
65	1800~18000	60~600	10.0	G2½"
	2000~20000	75~750	10.0	
80	2300~23000	90~900 120~1200	11.0	G3"
	2500~25000		11.0	
	2800~28000		11.0	
	3000~30000		11.0	
100	3500~35000	-- --	12.0	G4"
	4000~40000		12.0	
	5000~50000		15.0	
	6000~60000		15.0	



M5



unit: mm



unit: mm



M6 Indication



M7 Indication



M8 Indication



M9 Indication

**Product description**

KF800 series metallic rotameter is one of Variable-area flowmeter with simple structure, work reliable, wide application field, high precision, convenient installing, it is suitable for compatible liquids, gases.

KF800DX series metallic rotameter with LCD and 4-20mA electricity signal output, restrict alarm and many kinds of signal. compared with other flowmeters, this series has the characteristics of high-pressure proof, high-temperature proof, safety, ocular reading etc. it is suitable for chemical industry, petroleum, metallurgy, power plant, environmental protection, medical science.

**Principle structure**

As the fluid flow upward in the tube, the float moves upward to a certain position where the lifting force and the gravitational force are balanced, at the moment, the circulation area between the float and the orifice is kept fixed. the circulation area is proportional to the height of the float, it means the height of the float represent the volumetric flowrate. when the float moves up and down, it transmits its positional to the indicator outside in form of magnetic-coupling, so make the needle of the indicator follows the movement of the float, and by using the cam board to show the value of flowrate linearly on the indicator.

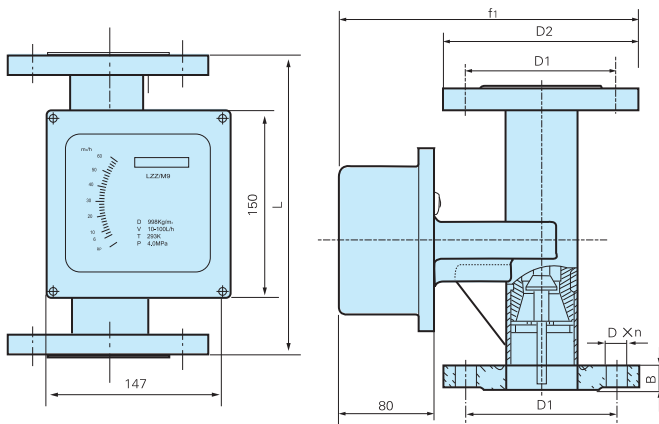
**Specification**

D N (mm)	Measure Range			Pressure Loss(KPa)			
	Water (L/h)		Air (Nm³/h)	Orifice Plate		Cone Pipe	
	Normal Type	Corrosion-proof type		Water	Air	Water	Air
15	2.5~25	--	0.07~0.7	5.5	7.1	2.1	2.6
	4.0~40	2.5~25	0.11~1.1	5.5	7.2	2.1	2.6
	6.3~63	4.0~40	0.18~1.8	5.5	7.3	2.1	2.6
	10~100	6.3~63	0.28~2.8	5.6	7.5	2.1	2.6
	16~160	10~100	0.48~4.8	5.6	8.0	2.1	2.6
	25~250	16~160	0.7~7.0	5.8	10.8	2.1	2.6
	40~400	25~250	1.0~10.0	6.1	10.0	2.1	2.8
	63~630	40~400	1.6~16.0	7.3	14.0	2.2	3.2
25	63~630	40~400	1.6~16	5.7	7.2	2.4	3.2
	100~1000	63~630	3~30	5.9	7.7	2.4	3.3
	160~1600	100~1000	4.5~45	6.0	8.8	2.5	3.4
	250~2500	160~1600	7~70	6.8	12.0	2.6	3.8
	400~4000	250~2500	11~110	9.2	19.0	3.0	4.5
50	630~6300	400~4000	18~180	6.8	8.6	3.3	7.4
	1000~10000	630~6300	25~250	9.4	10.4	3.8	7.7
	1600~16000	1000~10000	40~400	14.5	15.5	4.3	8.4
80	2500~25000	1600~16000	70~700	6.9	12.9	3.6	6.8
	4000~40000	2500~25000	100~1000	8.0	18.5	4.6	8.9
100	6300~63000	4000~40000	160~1600	8.5	19.2	5.8	12.0
	8000~80000	6300~63000	250~2500	8.8	19.6	6.4	12.8

**How To Select:**

LZ	Metallic tube variable-area flowmeter	
ZH	Flow rate field display	
DH	Flow rate field display with 4-20mA output.	
DX	Totalizer with flow rate LCD display, 4-20mA output.	
	DN15-150	Pipe size(mm)
	RR1	304, 1Cr18Ni9Ti
	RR2	316L, 00Cr17Ni14Mo2
	RR0	316, 0Cr18Ni12Mo2Ti
	Ti	Titanium alloy
	F	304 SS with PTFE liner
	M6 indicator :	for DN15~DN50
	M7 indicator:	aluminium alloy
	M8 indicator:	Explosion proof
	M9 indicator:	All stainless steel
	D1	24V power supply
	D2	Battery power supply
	Ks	Hi alarm
	Kx	Low alarm
	RL	Horizontal, from right to left
	LR	Horizontal, from left to right
	T	Keep warm

LZ/  —  —  —  —  —  —  —  —  —

**Size**


DN	L	B	D1	D2	f1
15	250	14	65	95	208
25	250	18	85	115	218
40	250	20	110	150	233
50	250	22	125	165	240
80	250	24	160	200	258
100	250	26	180	220	268
150	300	28	240	285	300