

FMR20C SERIES GLASS TUBE ROTAMETER



INTRODUCTION

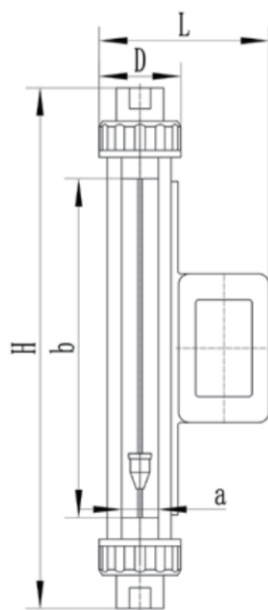
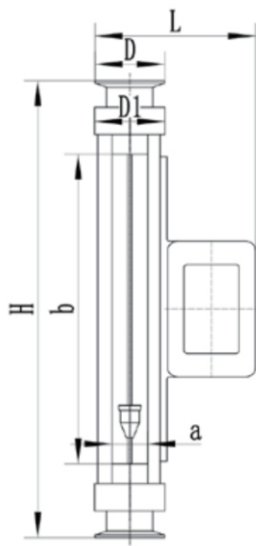
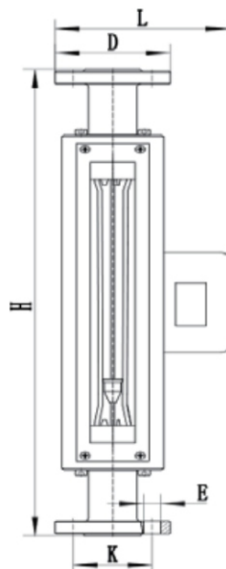
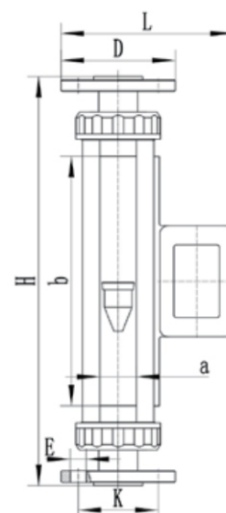
The FMR20C series are remote-type glass tube rotameter with flow tubes made of either PC or high borosilicate glass. The PC version is ideal for non-corrosive, non-solvent media and supports up to 4.0 MPa pressure. The borosilicate glass version is suitable for corrosive media, with pressure resistance conforming to G/R/F standards.

Available connection types include threaded, hose, flange, and sanitary clamp options. This series is compact, lightweight, aesthetically designed, and easy to install and maintain. It offers high measurement accuracy, low pressure loss, excellent repeatability, and reliable operation.

SPECIFICATIONS

Diameter	DN15-DN50
Measuring range	Water(20℃) 10~25000 L/h Air (20℃ 101325Pa) 0.1~600m ³ /h
Accuracy	1.5
Thread size (FMR20C-T)	G½", G¾", G1", G1½", NPT½", NPT¾", NPT1", NPT1½"
Measuring tube material	PC, High borosilicate glass
Output signal	4~20mA
Working pressure	PC: ≤4.0(DN15-50) High borosilicate glass: ≤1.0(DN15-50), ≤0.9(DN40), ≤0.7(DN50)
Working temperature	-40~100℃
Power supply	24VDC 2-wire
Electrical connection	M8x1.25 0.5m cable, Optional NPT½F thread (Explosion proof port)

MECHANICAL STRUCTURE


FMR20C-T

FMR20C-C

FMR20C-A

FMR20C-F

Diameter	Size	FMR20C-T				FMR20C-C				
(DN)	A*b	H	D	L	Thread	H	D1	L	D	
15	26*244	375	φ 58	120	G½"	360	φ 51	120	φ 34	
					G¾"				Φ 50.5	
					NPT½"					
25	32*244	375	φ 74	145	G¾"	360	φ 63	135	φ 50.5	
					G1"					
					NPT1"					
40	40*244	375	φ 93	160	G1½"	360	φ 86	155	φ 64	
					NPT1½"					
50	50*244	375	φ 108	175	G2"	360	φ 105	175	φ 64	
					NPT2"				φ 77.5	
Diameter	FMR20C-F					FMR20C-A				
(DN)	H	L	D	K	E	H	L	D	K	E
15	425	140	φ 95	φ 65	4- φ 14	500	150	φ 95	φ 65	4- φ 14
25	425	165	φ 115	φ 85	4- φ 14	500	170	φ 115	φ 85	4- φ 14
40	425	190	φ 150	φ 110	4- φ 18	500	195	φ 145	φ 110	4- φ 18
50	425	210	φ 165	φ 125	4- φ 18	500	220	φ 165	φ 125	4- φ 18

ORDER FORMAT

FMR20C-T15W1KGS4G3

Connection	Code
Thread type	T
Flange type(Cylinder)	F
Flange type	A
Clamp type	C

Nominal diameter	Code
DN15	15
DN25	25
DN40	40
DN50	50

Medium	Code
Water	W
Air	A

Flow range	Code
10~25000 L/h	10~25K
0.1~600m3/h	01~600

Thread size	Code
G1"	G1
G½"	G2
G¾"	G3
G1½	G4
NPT1"	N1
NPT½"	N2
NPT¾"	N3
NPT1½"	N4

Material	Code
SS304	S4
SS316L	3L

Tube material	Code
PC	P
High borosilicate glass	G