



Gas Mass Flow Meter VE.0

Model MF-FD



3.5. Mechanical dimensions

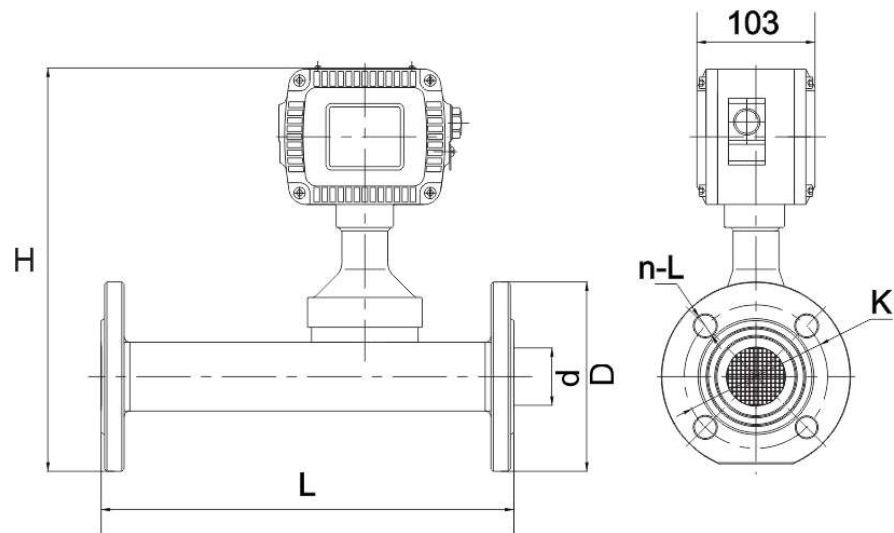


Figure 3.5: MF-FD meter dimensions

Table 3.3: Meter dimensions (mm)

Model	L	H	ΦD	Φd	ΦK	n-L
MF25FD	300	315	115	25	85	4- $\Phi 14$
MF32FD	300	326	140	32	100	4- $\Phi 18$
MF40FD	300	330	150	40	110	4- $\Phi 18$
MF50FD	360	344	165	50	125	4- $\Phi 18$
MF65FD	360	362	185	65	145	8- $\Phi 18$
MF80FD	400	374	200	80	160	8- $\Phi 18$
MF100FD	400	396	220	100	180	8- $\Phi 18$

6. Product selection

The product part number is defined by the flow pipe diameter (mm) and its flow range as listed in the following table.

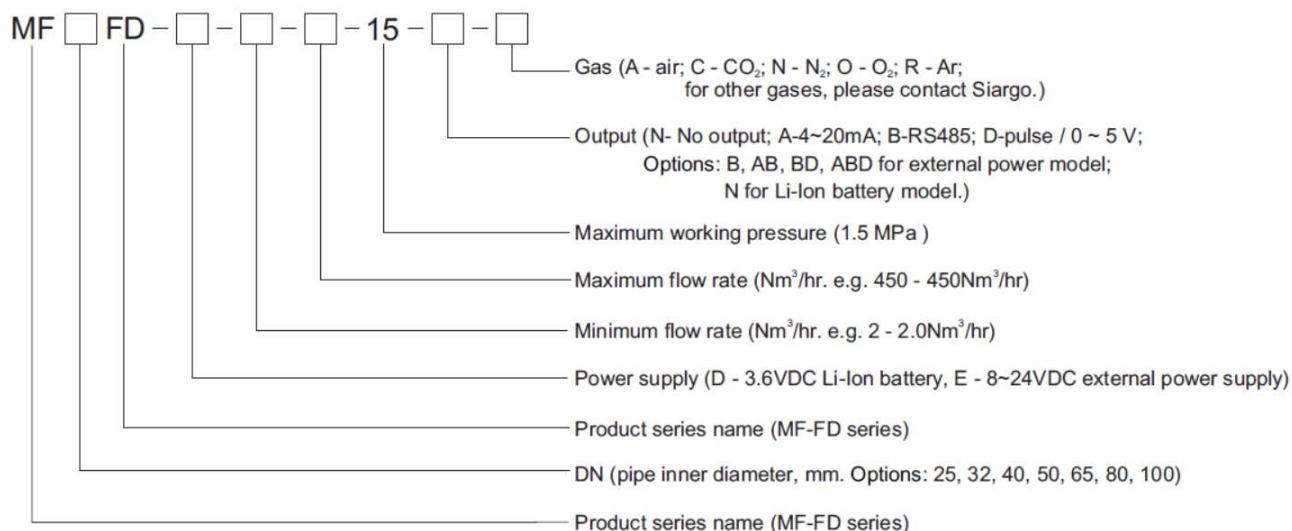


Table 6.1: The Product models and Flow ranges.

Model	Pipe size (mm)	Maximum flow rate (Nm ³ /h)	Minimal flow rate (Nm ³ /h)
MF25FD	25	100	1.0
MF32FD	32	160	1.6
MF40FD	40	250	2.5
MF50FD	50	400	4.0
MF65FD	65	650	6.5
MF80FD	80	1000	10
MF100FD	100	1500	15

7. Technical specifications

All specifications listed in the following table unless otherwise noted apply for calibration conditions at 20°C and 101.325 kPa absolute pressure with air. The product is horizontally mounted at calibration.

	Value	Unit
Full-scale flow range	See table 6.1	
Accuracy	$\pm(1.5+0.5FS)$	%
Repeatability	0.5	%
Turn-down ratio	100:1	
Working temperature	-20 ~ +55	°C
Maximum pressure	1.5	MPa
Humidity	<95, no condensation	%RH
Power supply	External power model: 12 ~ 24 Vdc Li-Ion battery model: Li-Ion battery L3338B	
Battery life	>36	Months
Real-time clock life	>10	Years
Digital output	RS485 Modbus half-duplex / Pulse	
MENU access	3 key – front face keyboard/digital	
Display	LCD, instant flow rate, totalizer or accumulated flow rate	
Storage temperature	-20 ~ +70	°C
Reference conditions	20°C, 101.325 kPa, air	
Protection	IP66 (NEMA 4x)	
Fluid compatibility	Non-corrosive	
Ex Proof	Ex ia IIC T4 Gb	

Note: For other features or specifications not listed, please contact the manufacturer.