METAL TUBE FLOW METER DF SERIES

DF-1 Indicating Only
DF-2 With Alarm Switch



DF-1



DF-2

Technical Data

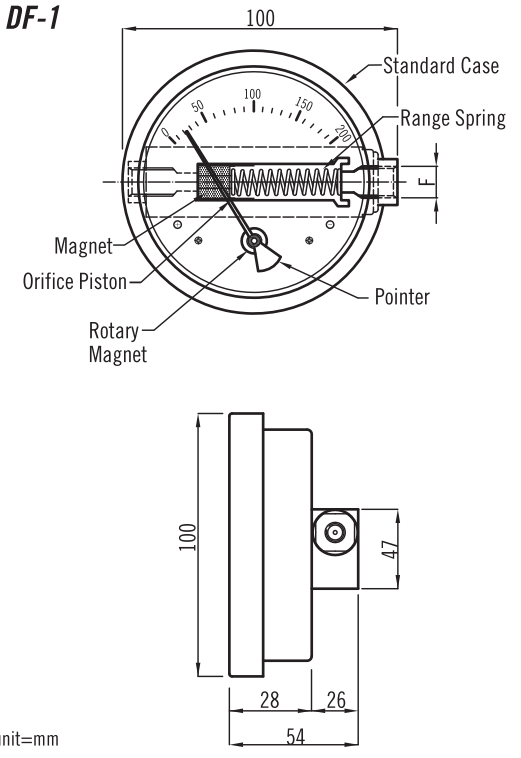
Service: Air, Water
Material: Case–SS316 for DF-1; Aluminum for DF-2; Body–SS316; Orifice Piston–SS316, PVDF
Dial Size: ø4", ø6" available (Switch type only for ø4")
Indication: Via magnetic coupling (no seals)
Scales: LPM, LPH in water; NLPM, Nm³/H in air
Flow Rate: Water–0.25 LPM up to 20 LPM; 15 LPH up to 1200 LPH
Air–6 NLPM up to 500 NLPM; 0.35 Nm³/Hr up to 30 Nm³/Hr
Max. Working Temperature: 80ºC
Max. Working Pressure: Standard 200 kg/cm²; Other options upon request
Adjustable Micro Switch
1 adjustable alarm contact
Load: 5A/250VAC/125VAC/30VDC
Temperature: -25°C ~ +100°C (AMB)
Hysteresis: ±10% F.S (Dead Band)
Connection Size: ¼", ½"NPT or BSP
Protection Class: IP65
Accuracy: ±4% FS (±3% FS option)

Range Selection Table

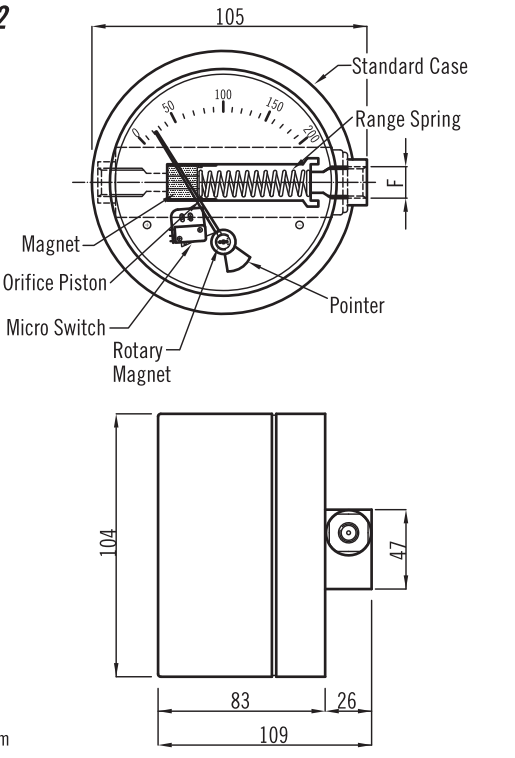
Water 20°C				Air 20°C 1.013 bar				BSP/ NPT	Thread Type
Code	LPM	Code	LPH	Code	NLPM	Code	Nm³/Hr		L (mm)
001	0.25~1.3	007	15~80	013	6~30	019	0.35~1.7	¼"	108
002	0.7~3	008	40~200	014	15~80	020	1~4.7	½"	130
003	0.8~4	009	50~250	015	20~110	021	1.3~6.6		
004	1.8~9	010	110~550	016	40~220	023	2.6~13		
005	2.6~13	011	160~800	017	60~320	024	4~20		
006	4~20	012	250~1200	018	100~500	025	6~30		

Dimensions

DF-1



DF-2



WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de

Ordering Information

DF	Code	Type
	1	Indicating only (case material SS316)
	2	With alarm switch (case material Aluminum)

Code	Flow Range
S	Standard Range (Please refer to *Range Selection Table*.)
	Please directly fill out the flow range in the order code.

Code	Wetted Parts Material
	(A) SS316

Code	Process Connection (Female)
	(1) ¼" NPT (2) ½" NPT (3) ¼" BSP (4) ½" BSP

Code	Conduit Connection
	(A) ¾"NPT Female (B) ½"NPT Female, Standard (0) Without

Code	Switch Form		
1	One SPDT (only for DF-2)	2	Without

DF							Complete Ordering Code

WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de