

Flow measurement with volume preselection - TS

for highly flammable liquids



Technical data		Type LM / Ex-RM 1m K	Type UN / Ex-RM 1m K	Type VA I / Ex-RM 1m K
Range of use		Solvents and many other easily inflammable liquids, oils and neutral liquids.	Solvents and easily inflammable liquids, most of acids and alkalis.	Nearly all solvents and easily inflammable liquids. Many acids, alkalis and other liquids.
Flow volume	l/min.	min. 10 – max. 120	min. 10 – max. 120	min. 10 – max. 100
Temperature	°C	60	60	80
Viscosity	mPas	2,000	2,000	5,000
Operating pressure	bar	4	4	10
Accuracy		+/- 1% standard < 1% with adjustment to application conditions	+/- 1% standard < 1% with adjustment to application conditions	+/- 1%
Inlet port		G 2 outer thread to fit connector with union nut	G 2 outer thread to fit connector with union nut	G 1 1/4 outer thread
Outlet port		G 1 1/4 outer thread	G 1 1/4 outer thread	G 1 1/4 outer thread
LCD display		19 mm character height, 6-digit display, individual and total volume reset possible	19 mm character height, 6-digit display, individual and total volume reset possible	19 mm character height, 6-digit display, individual and total volume reset possible
Materials				
Housing		PPS	PPS	Stainless steel (1.4581)*
Measuring chamber		LCP	LCP	Stainless steel / ETFE / ETFE
Seals		FEP	FEP	FEP
Magnet		BaFe / MS / Stainless steel 1.4401	PPS encapsulated	ETFE encapsulated
Identification				
Operating unit		II 2 G EEx ib IIA T4	II 2 G EEx ib IIA T4	II 2 G EEx ib IIA T4
Basic flow meter		II 2 G T4	II 2 G T4	II 2 G T4
Protection type		IP 54	IP 54	IP 54
Weight	kg	4.1	4.1	6.5
Relay module Ex-RM 1 m				
Voltage		V 220-240		
Frequency		Hz 50-60		
Switching outputs		2 NO (potentially bound)		
Output 1 (pump)		4 A, cos > 0.7		
Output 2 (valve)		0.5 A		
Method of explosion protection		II 2 G EEx me [ib] IIC T4		
Order No.		0212-352	0212-452	0212-552

* Special materials on request General information to the chemical resistant of the different flow meters you will find in our chemical resistant list (chapter 06 pages 233-249).