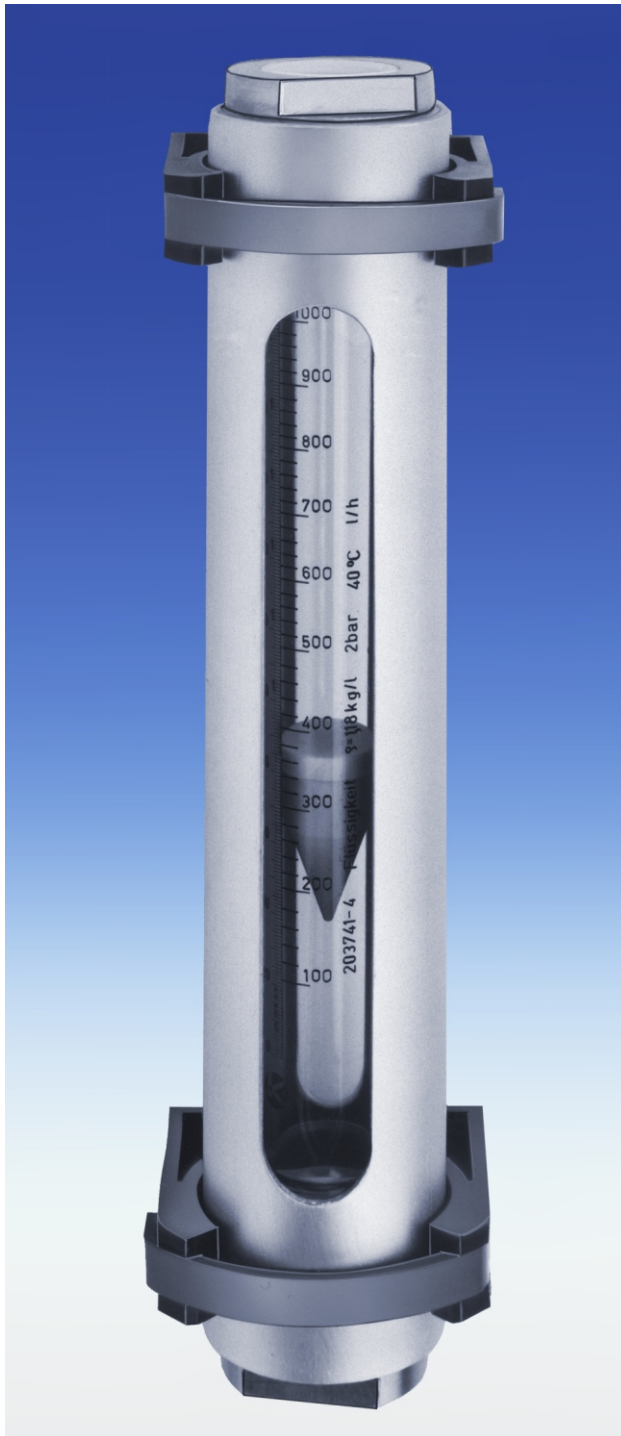


Safety Flow Meter S - SM



Handling hazardous liquids or gases requires the use of flow meters with the vulnerable parts such as the metering glass protected against breakage.

The S - SM safety flow meter provides sealed protection glass around the metering glass and an outer stainless steel shell with a sight window.

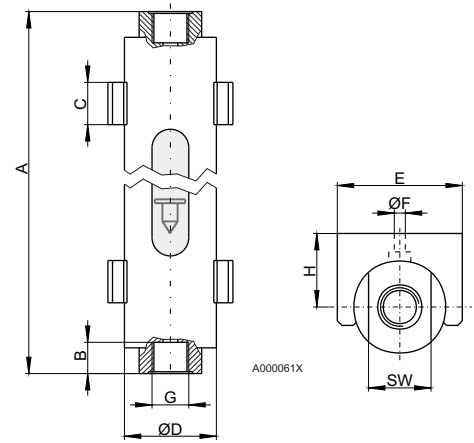
A variety of construction materials is available to meet any specific application.

- **Rugged protection**
- **Large range of applications**
- **High safety standard**

Technical Data

Metering range:	See table*
Metering cone:	Glass, Hastelloy, SS or PTFE
Endcaps:	PTFE, SS or titanium
Support:	Bracket made of plastic

$$* \text{Operating pressure max. [bar]} = 10 - \frac{\text{operating temperature max. [}^{\circ}\text{C]} - 20}{10}$$



Type	A	B	C	ØD	E	ØF	G	H	SW	lb	Operating pressure* max. at 68°F	Operating temperature* max. at 29 psig
(in inches)												
S-SM 3-1	7.76	0.67	0.67	0.98	1.65	0.22	1/4"NPT	1.06	0.87	2.0	145 psig	212 °F
S-SM 4	14.49	0.67	0.91	1.97	2.68	0.24	G 1/2"	1.57	1.42	6.2	145 psig	212 °F
S-SM 4-1	14.49	0.67	0.91	1.97	2.68	0.24	G 1/2"	1.57	1.42	6.2	145 psig	212 °F
S-SM 5	14.57	0.98	0.91	2.76	3.74	0.24	G 1"	2.28	1.81	8.8	145 psig	212 °F

Table of Typical Ranges

Flow meter S-SM 3-1

Media:	Air	Water
Pressure:	+ 17.4 psig abs.	
Temperature:	68 °F	68 °F
	1.6 - 16 NI/h	0.25 - 2.5 l/h
	4 - 40 NI/h	0.5 - 5 l/h
	6 - 60 NI/h	1.2 - 12 l/h
	10 - 100 NI/h	2.5 - 25 l/h
	25 - 250 NI/h	4 - 40 l/h
	50 - 500 NI/h	6 - 60 l/h
	80 - 800 NI/h	10 - 100 l/h

Flow meter S-SM 4 / S-SM 4-1

Media:	Air	Water
Pressure:	+ 17.4 psig abs.	
Temperature:	68 °F	68 °F
	250 - 2500 NI/h	6.3 - 63 l/h
	400 - 4000 NI/h	10 - 100 l/h
	500 - 5000 NI/h	16 - 160 l/h
	800 - 8000 NI/h	25 - 250 l/h
		40 - 400 l/h
		63 - 630 l/h

Flow meter S-SM 5

Media:	Air	Water
Pressure:	+ 17.4 psig abs.	
Temperature:	68 °F	68 °F
	1000 - 10000 NI/h	25 - 250 l/h
	1600 - 16000 NI/h	40 - 400 l/h
	2000 - 20000 NI/h	63 - 630 l/h
	3000 - 30000 NI/h	100 - 1000 l/h
		160 - 1600 l/h
		250 - 2500 l/h



Application in explosive atmosphere:

There is no Ex-designation on the type plate of the equipment, because they are not within the scope of European Directive 94/9/EC. However the equipment corresponds to the essential requirements of the directive 94/9/EC. Therefore they can be used in explosive atmosphere (**Zone 1, Group IIC**).

Regard the indications of the Installation and Operation Manual.

Please indicate with order

Part no.	Description	
40 22 999	Flow meter S-SM 3-1	Endcaps: SS 1.4571
40 23 999	Flow meter S-SM 3-1	Endcaps: titanium
40 24 999	Flow meter S-SM 4	Endcaps: SS 1.4571 / PTFE
40 25 999	Flow meter S-SM 4-1	Endcaps: SS 1.4571
40 26 999	Flow meter S-SM 5	Endcaps: SS 1.4571