

Flowmeters with Threaded Connections I.

The **RM** type fixing device is mainly used for industrial applications of the flowmeters with threaded connections. The measuring tube is covered and protected against the impacts of industrial environment by a stainless steel protective pipe. The measuring tube can be read through the cut-outs of the steel pipe, which protects it against any mechanical impacts as well. The threaded connections are made in sizes and materials indicated in the table below. The stainless steel is of 1.4301 (304L) or 1.4404 (316L) quality. If the measurable media is excessively corrosive, the connections can be supplied in PVC. The fixing devices are fitted with **inductive sensors** upon request.

Measurable media (except for water and air):

Most of the gases, light organic and non-organic acids, concentrated salt solutions, organic liquids etc., against which the stainless steel (304L, 316L) or PVC are resistant. **If the aggressiveness of the media prevents the use of stainless steel then the max. values of the measuring ranges might drop significantly for liquids!**

Max. pressure: 6 bar
for liquid: 10 bar

Max temperature: 60°C – 100°C

Minimum pressure demand:

Depending on the measuring range
for liquid: 0,05...1 bar
for gases: 0,01...0,2 bar



type	max. measurable flow		built-in length [mm]	connection				
				stainless steel				PVC
	20°C water	20°C air 1,013 bar		male thread	female thread	round thread	hose connection	male thread
RM-00	...20 l/h	...0,3 Nm ³ /h	210	C"3/8 – 1/2	C"1/4 – 3/8	DN10 – 15	C"3/8	C"1
RM-01	...60 l/h	...1 Nm ³ /h	360	C"3/8 – 3/4	C"3/8 – 1/2	DN15 – 25	C"1/2	C"5/4
RM-02	...250 l/h	...3 Nm ³ /h		C"1/2 – 1	C"1/2 – 3/4	DN20 – 32	C"3/4	C"6/4
RM-03	...1 m ³ /h	...20 Nm ³ /h		C"3/4 – 6/4	-	DN32 – 50	-	G" 2
RM-04	...3 m ³ /h	...50 Nm ³ /h	440	C"1 – 2	-	DN40 – 65	-	G" 2 3/4
RM-05	...10 m ³ /h	...200 Nm ³ /h		C"6/4 - 3	-	DN50 – 80	-	-
RM-06	...30 m ³ /h	...500 Nm ³ /h	600					

The lower measuring point of the measuring tubes is generally 10% of the top measuring point.

In the case of media whose density and viscosity are significantly different from that of water of 20°C and air of 20°C with 1,013 bar (abs), the limits of measurement ranges may vary **significantly** both in positive and negative directions.