

Flowmeters with Threaded Connections II.

The **RR** is a cheap housing type due to its simplicity, and used mainly amidst humble environmental conditions as threaded connections to flowmeters. The measuring tube is covered and protected against the impacts of industrial environment by an UV stabilised Plexiglas tube, that is easy to clean by wiping. The measuring tube can be read through the transparent pipe, which at the same time protects it against any mechanical impacts. The threaded connections are designed to fit range of polyacetal (POM-C) threaded connections widely used in water management and chemical industry. The Hollanders are optional with stickable pipe extension and the appropriate gaskets. The housing cannot be fitted with inductive sensors.

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 (1.4301, 1.4404 floating body) or polyacetal are resistant. **In case the aggressiveness of the media inhibits the use of stainless steel max. values of the measuring ranges might drop for liquids!**

Max. pressure: 6 bar

Max temperature: 80°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]	male thread	PVC screwed-pipe coupling with glue connection
	20°C water	20°C air 1,013 bar			
RR-01	...60 l/h	...2 000 NI/h	340	C"1	DN15 (Ø20)
RR-02	...500 l/h	...8 000 NI/h		C"1 – 5/4	DN15 – DN20 (Ø20 - Ø25)
RR-03	...1 000 l/h	...20 000 NI/h		C"5/4 – 6/4	DN20 – DN25 (Ø25 - Ø32)
RR-04	...3 000 l/h	...50 000 NI/h	440	C"5/4 – 6/4	DN20 – DN25 (Ø25 - Ø32)

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.