



Flow meters with float constructive series R

- Quality design
- Reliable measurement principle
- Low weight and small dimensions

Usage

Flowmeters with float R series are designed for measuring the volumetric or mass media flow. The flow rate is read directly on the meter. The flow media could be not very contaminated liquids and gases, if used materials of flow meter are resistant to operational temperature and pressure.

By the force of flow the float is raised and by its top edge the measuring scale shows the right flow amount. The relation between upheld of the float and the amount of flow is for particular measuring pipe and float is found empirically by calibration with calibration media and the mathematical correction for change of density and viscosity is done.

Flow meters type R are intended for simpler applications with wired plastic pipes, PP, PVC welding, gluing or optionally by thread or hose nozzle.

Technical parameters

Max. working temperature	0 - 60°C
Max. working pressure (without shocks)	1 MPa
Accuracy of measurement	2,5%; 1,6% each device is calibrated
Connection	internal thread G 1/2"

Materials of main parts:

connection fittings	PP, PVC or other
Float	stainless steel (PP, PVC, PVDF, alloy Al)
Measuring pipe	K RESIN
Tightening elements	rubber NBR, on request EPDM, Viton

Installation, service, maintenance

Operational position is vertical with inlet of media from the bottom. Before installation of flow meter the pipes have to be washed up.

Service and maintenance is limited to checking of tightening and to cleaning of measuring pipe.

During usage of flow meter protect your face with protective shield, especially for aggressive media and higher pressures. Avoid the pressure shocks, which could cause intensive stroke of float to the top backstop.

Ordering

For the supply is necessary to give this information

- kind of media
- concentration in %
- density
- viscosity
- temperature
- pressure
- measured range
- units
- dimensions and material of the connecting pipes

Values of measuring ranges

TYPE	Measuring ranges (l/h)	
	Air 20°C; 101,3 kPa	Water 15°C
R41.01P1	150 - 1500	5 - 50
R42.01K1	-	10 - 200
R43.01K1	-	10 - 450
R44.01K1	-	10 - 650
R45.01K5	600 - 5500	-
R4V1.01K1	1500 - 1500	100 - 1000
R4V2.01K1	-	600 - 1300

Float material

- K1 – stainless steel 17 246
- P1 – PVC
- K5 – dural