

## Flowmeters with fixed flanges ANSI

The type **RK** fixing device is primarily used for the flanged connection of the flowmeters applied in industries. The measuring tube within the Plexiglas and stainless steel housing is well-protected against the mechanical impacts of industrial environment. The fixed flanges encompass the total measuring range in the range of ANSI ½" to 3", and are made in 150# pressure range, from 1.4301 (304L), 1.4404 (316L) stainless steel. Upon request the fixing devices can be furnished with an **inductive sensor** as well.



### Measurable media (except for water and air):

Most of the gases, light organic and non-organic acids, concentrated saline solutions, organic liquids etc., against which the stainless steel is resistant. **In case of media more aggressive than the above listed ones, the housing can be fitted with Teflon coating, but in this case the maximum values of the measuring ranges might drop!**

Max. pressure: 6 or 10 bar  
for liquid: 6 or 12 bar (only on RK-15...RK-40)

Max temperature: 55°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 size	connection			
	20°C water	20°C air 1,013 bar abs		nominal diameter	nominal pressure	flange diameter	pitch circle
<b>RK-15A</b>	...0,1 m <sup>3</sup> /h	...2 m <sup>3</sup> /h	390	1/2"	150#	88,9	60,5
<b>RK-20A</b>				3/4"		98,6	69,9
<b>RK-25A</b>	...1 m <sup>3</sup> /h	...20 m <sup>3</sup> /h		1"		108,0	79,2
<b>RK-32A</b>				5/4"		117,3	88,9
<b>RK-40A</b>	...3 m <sup>3</sup> /h	...50 m <sup>3</sup> /h	410	6/4"		127,0	98,6
<b>RK-50A</b>	...10 m <sup>3</sup> /h	...200 m <sup>3</sup> /h	550	2"		152,0	120,7
<b>RK-65A</b>	...25 m <sup>3</sup> /h	...300 m <sup>3</sup> /h	2 1/2"	177,8		139,7	
<b>RK-75A</b>			3"	190,5		152,4	

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.