

Flowmeters with fixed flanges DIN

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 DN 15 to DN 80, and are made in PN6 and PN16 pressure range, from 1.4301 (304L), 1.4404 (316L) stainless steel or (painted) cast 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 quantity			connection			
	20°C water	20°C water	built-in size	nominal diameter	nominal pressure	flange diameter	pitch circle
RK-15	...0,1 m ³ /h	...2 Nm ³ /h	380	DN15	PN6	80	55
RK-20					PN16	95	65
RK-25	...1 m ³ /h	...20 Nm ³ /h	390	DN20	PN6	90	75
RK-32					PN16	105	
RK-40	...3 m ³ /h	...50 Nm ³ /h	400	DN25	PN6	100	85
RK-50					PN16	115	
RK-65	...5 m ³ /h	...100 Nm ³ /h	410	DN32	PN6	120	90
RK-80					PN16	140	
RK-80	...10 m ³ /h	...200 Nm ³ /h	410	DN40	PN6	130	100
RK-80					PN16	150	
RK-80	...25 m ³ /h	...300 Nm ³ /h	550	DN50	PN6	140	110
RK-80					PN16	165	
RK-80	...50 m ³ /h	...500 Nm ³ /h	560	DN65	PN6	160	130
RK-80					PN16	185	
RK-80	...40 m ³ /h	...400 Nm ³ /h	430	DN80	PN6	190	150
RK-80					PN16	200	
RK-80	...40 m ³ /h	...400 Nm ³ /h	430	DN80	PN6	190	150
RK-80					PN16	200	

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.

The Unirota Ltd. reserves the right to amend any data specified as a result of technical developments without prior notification of the Customers.