

Product Information

UZ-015..050GM / K

Flow Meter UZ

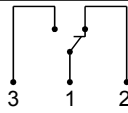


- **Monitor and display**
- **Simple switching point adjustment by means of drag indicator**
- **Insensitive to dirt**
- **Suitable for media with ferritic particles.**

Characteristics

With the UZ paddle flow display, the flow strength of the medium presses the paddle against a spring force. Hermetically separated by the bellows, the paddle's deflection is transmitted to a display movement, and may optionally be monitored with an adjustable micro switch. There is no magnet in the area of flow.

Technical data

Switch	optionally micro switch	
Nominal width	DN 15..50	
Process connection	female thread G 1/2..G 2	
Metering range	2..500 l/min	for details see table "Ranges"
Q_{max.}	to 600 l/min	
Tolerance	±3 % of full scale value	
Pressure resistance	Dynamic PN 6	Static PN 16
Medium temperature	-20..+100 °C	
Ambient temperature	-20..+70 °C	
Media	water (oils and aggressive media available on request)	
Wiring	changeover no. 0.282	
Switching voltage	max. 250 V AC	
Switching current	max. 5 A	
Protection class	2	
Ingress protection	IP 65	
Electrical connection	plug DIN 43650-A / ISO 4400	

Materials medium-contact	Brass construction: CW614N nickelled, 1.4571, 1.4305 Stainless steel construction: 1.4571, 1.4305
Non-medium-contact materials	CW614N chromed, steel chromed, acrylic, FKM
Weight	see table "Dimensions and weights"
Installation location	Standard: horizontal inwards flow; display downwards not recommended; other installation positions are possible; the installation position affects the switching point and display range.

Ranges

Details in the table correspond to horizontal inwards flow with increasing flow rate.

Flow from the left.

G	Nominal width	Metering range l/min H ₂ O	Q _{max.} recommended	Type
G 1/2	DN 15	3 - 50	60	UZ-015G.050
G 3/4	DN 20	4 - 60	100	UZ-020G.060
G 1	DN 25	10 - 100	200	UZ-025G.060
				UZ-025G.100
G 1 1/4	DN 32	20 - 200	300	UZ-032G.100
				UZ-032G.200
G 1 1/2	DN 40	10 - 300	400	UZ-040G.200
				UZ-040G.300
G 2	DN 50	20 - 300	600	UZ-050G.300
		30 - 500		UZ-050G.500

Special ranges are available

Optional: Flow from the right (please specify when ordering)

G	Nominal width	Metering range l/min H ₂ O	Q _{max.} recommended	Type
G 1/2	DN 15	2 - 35	60	UZ-015G.035
G 3/4	DN 20	4 - 45	100	UZ-020G.045
		6 - 70		UZ-020G.070
G 1	DN 25	4 - 50	200	UZ-025G.050
		10 - 100		UZ-025G.100
G 1 1/4	DN 32	20 - 200	300	UZ-032G.100
				UZ-032G.200
G 1 1/2	DN 40	10 - 300	400	UZ-040G.200
				UZ-040G.300
G 2	DN 50	60 - 300	600	UZ-050G.300
		100 - 500		UZ-050G.500

Special ranges are available

