

**Product Information**

**UZ-015..050GM / K**

**Flow Meter UZ**

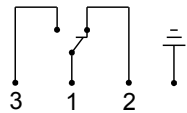


- **Monitor and display**
- **Simple switching point adjustment by means of drag indicator**
- **Insensitive to dirt**
- **Suitable for media with ferritic particles.**

**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**

<b>Switch</b>	optionally micro switch	
<b>Nominal width</b>	DN 15..50	
<b>Process connection</b>	female thread G 1/2..G 2	
<b>Metering range</b>	2..500 l/min	for details see table "Ranges"
<b>Q<sub>max.</sub></b>	to 600 l/min	
<b>Tolerance</b>	±3 % of full scale value	
<b>Pressure resistance</b>	Dynamic PN 6 bar Static PN 16 bar	
<b>Medium temperature</b>	-20..+100 °C	
<b>Ambient temperature</b>	-20..+70 °C	
<b>Media</b>	water (oils and aggressive media available on request)	
<b>Wiring</b>	changeover no. 0.342 	
<b>Switching voltage</b>	max. 250 V AC	
<b>Switching current</b>	max. 5 A	
<b>Protection class</b>	2	
<b>Ingress protection</b>	IP 65	
<b>Electrical connection</b>	plug DIN 43650-A / ISO 4400	

<b>Materials medium-contact</b>	<i>Brass construction:</i> CW614N nickelled, 1.4571, 1.4305 <i>Stainless steel construction:</i> 1.4571, 1.4305
<b>Non-medium-contact materials</b>	CW614N chromed, steel chromed, acrylic, FKM
<b>Weight</b>	see table "Dimensions and weights"
<b>Installation location</b>	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 <sub>2</sub> O	Q <sub>max.</sub> 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
				UZ-040G.500
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 <sub>2</sub> O	Q <sub>max.</sub> 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
				UZ-040G.500
G 2	DN 50	60 - 300	600	UZ-050G.300
		100 - 500		UZ-050G.500

Special ranges are available

