

Product Information

TZ1-008..080GR

Flow Meter TZ1-...GR

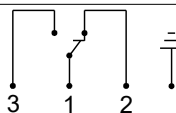


- Large analog display
- Monitor and display
- Simple adjustment by means of drag indicator
- Insensitive to dirt
- Short installation length

Characteristics

The volume flow raises a piston out from a valve seat against a spring force. The piston actuates the display movement by means of a magnetic coupling.

Technical data

Switch	optionally micro switch	
Nominal width	DN 8..80	
Process connection	female thread G 1/4..G 3	
Metering range	2..600 l/min	for details see table "Ranges"
Q _{max.}	to 600 l/min	
Tolerance	±3 % of full scale value	
Pressure resistance	G 1/4..G 1/2 - PN 100 bar	
	G 3/4..G 1 - PN 25 bar	
	G 1 1/4..G 3 - PN 16 bar	
Medium temperature	-20..+90 °C	
Ambient temperature	-20..+70 °C	
Media	water (oils and gases available on request)	
Wiring	changeover no. 0.342	
Switching voltage	max. 250 V AC	
Switching current	max. 5 A	
Protection class	2 - safety insulation	
Ingress protection	IP 65	
Connection	plug DIN 43650-A / ISO 4400	
Materials medium-contact	Rg 5 / Rg 6 nickelled, CW614N, 1.4310, NBR, hard ferrite	
Non-medium-contact materials	CW614N chromed, steel chromed, Acrylic, NBR	
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.
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Ranges

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

G	Nominal width	Metering range l/min H ₂ O	Q _{max.} recommended	Type
G 1/4	DN 8	2 - 6	8	TZ1-008GR006
		3 - 12	12	TZ1-008GR012
G 3/8	DN 10	2 - 6	10	TZ1-010GR006
		3 - 12	12	TZ1-010GR012
G 1/2	DN 15	2 - 6	20	TZ1-015GR006
		4 - 20		TZ1-015GR020
G 3/4	DN 20	10 - 40	40	TZ1-020GR020
				TZ1-020GR040
G 1	DN 25	10 - 60	60	TZ1-025GR060
G 1 1/4	DN 32	10 - 100	100	TZ1-032GR100
G 1 1/2	DN 40	10 - 150	150	TZ1-040GR150
G 2	DN 50	20 - 250	250	TZ1-050GR250
G 3	DN 80	30 - 600	600	TZ1-080GR600

Special ranges are available

Dimensions and weights

G	Types	H	L	SW	X	Weight kg	
G 1/4	TZ1-008GR	212	68	29	12	1.6	
	G 3/8						TZ1-010GR
	G 1/2						TZ1-015GR
G 3/4	TZ1-020GR	213	73	32	11	1.7	
G 1	TZ1-025GR	216	87	41	12	2.0	
G 1 1/4	TZ1-032GR	226	98	52	13	2.6	
G 1 1/2	TZ1-040GR	228	113	59	14	3.1	
G 2	TZ1-050GR	236	137	72	17	6.4	
G 3	TZ1-080GR	268	148	100	23	8.7	

