

GENERAL CHARACTERISTICS

The flow meters TZ are robust mechanical instruments for the measurement and for the control of liquid or gaseous fluids. A measuring disc housed inside the flow chamber is lift up by the passage of the fluid. The movement is transferred to the indicator by means of magnetic coupling. The display of the measurement is on a dry scale, the instrument can be equipped with an electrical contact that can be calibrated over the entire measuring range.

- Local indication.
- Good repeatability.
- Wide measurement scale, 270 °
- Graduated scale in l / min.
- Resistant to impurities.
- Low pressure loss.
- Easy adjustment of the electrical contact.



TZ1 GR Bronze



TZ1 GK Stainless steel

TECHNICAL DATA

Tab.1

Ø	DN Code	Measuring range		l/min Code	Q max l/min	ΔP max Bar	P max Bar	T max °C	Weight Kg	Dimensions mm			
		TZ1	GR							H	L	X	SW
1/4"	008	2	- 6	006	8	0,25	100	90	1,6	212	68	12	29
		3	- 12	012	12	0,25							
3/8"	010	2	- 6	006	10	0,25	100	90	1,6	212	68	12	29
		3	- 12	012	12	0,25							
1/2"	015	2	- 6	006	20	0,25	100	90	1,6	212	68	13	29
		4	- 20	020	20	0,25							
3/4"	020	4	- 20	020	40	0,25	25	90	1,7	212	73	11	32
		10	- 40	040	40	0,25							
1"	025	10	- 60	060	60	0,25	25	90	2,0	216	87	12	41
1.1/4"	032	10	- 100	100	100	0,25	16	90	2,6	226	98	13	52
1.1/2"	040	10	- 150	150	150	0,25	16	90	3,1	228	113	14	59
2"	050	20	- 250	250	250	0,25	16	90	6,4	236	137	17	72
2.1/2"	065	30	- 400	400	400	0,25	16	90	7,5	268	160	26	85
3"	080	30	- 600	600	600	0,25	16	90	8,7	268	148	23	100

See Tab.2

Thread Ø UNI 228/1

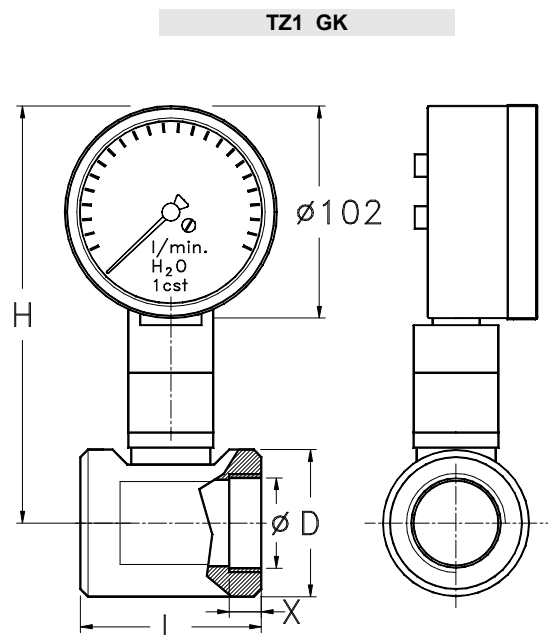
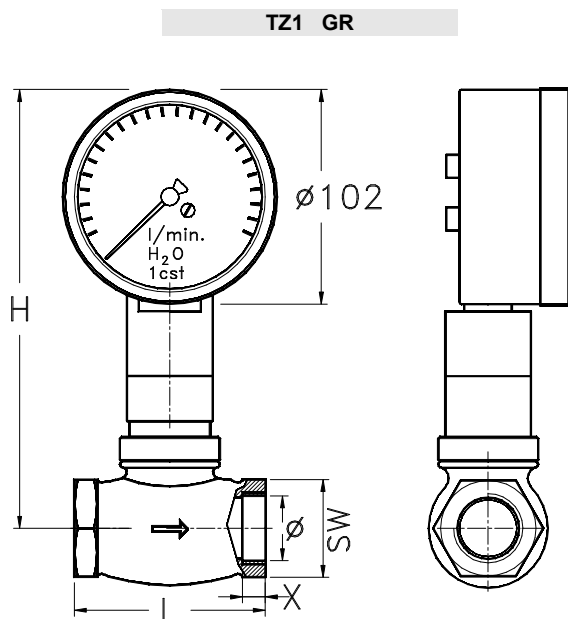
Ø	DN Code	Measuring range		l/min Code	Q max l/min	ΔP max Bar	P max Bar	T max °C	Weight Kg	Dimensions mm			
		TZ1	GK							H	L	X	D
1/2"	015	2	- 6	006	20	0,25	100	90	2,9	210	80	15	68
		4	- 20	020	20	0,25							
3/4"	020	4	- 20	020	40	0,25	100	90	2,8	210	80	16	68
		10	- 40	040	40	0,25							
1"	025	10	- 60	060	60	0,25	100	90	2,7	210	80	18	68
1.1/4"	032	10	- 100	100	100	0,25	100	90	3,4	210	95	24	78
1.1/2"	040	10	- 150	150	150	0,25	100	90	3,8	223	105	25	88
2"	050	20	- 250	250	250	0,25	100	90	5,1	225	120	27	102

See Tab.2

Thread Ø UNI 228/1

DIMENSIONS

Tab.2



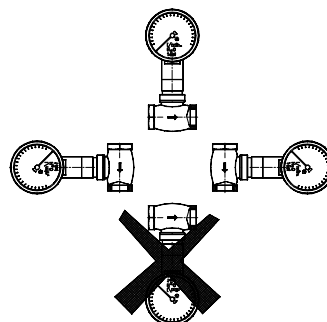
MATERIALS

Tab.3

Description	Code GR	Code GK
Body	Bronze RG5	S.S. 1.4305
Measuring disk	Brass	S.S. 1.4571
Disk chamber	Brass	S.S. 1.4571
Spring	S.S. 1.4310	S.S. 1.4310
Magnet	Barium Ferrite	Barium Ferrite
Gaskets	NBR	Viton

INSTALLATION

Tab.4



ATTENTION

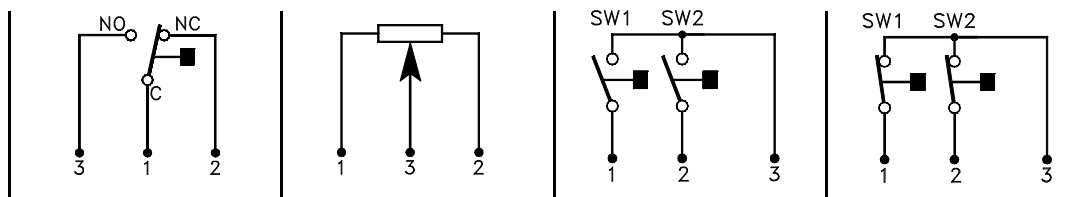
Always define the flow direction

SX - DX
⇒

DX - SX
⇐

WIRING AND OUTPUT ELECTRICAL OPTION

Tab.5



TZ1M	0342	TZ1P	0269	TZ1M2	0268	TZ1M3	0285
Contact	SPDT	Potentiometer		2 Contacts	N.O.	2 Contacts	N.C.
250V	5A	0 - 10 KΩ		250V	50VA	250V	50VA
IP65		IP60		IP60		IP60	

NOMENCLATURE

TZ1M	025	GR	060	IP65	0342	SX-DX
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	•					
		•				
			•			
				•		
					•	
						•

Tab.1-5	Name - Type
Tab.1	Process connection dimensions and thread
Tab.3	Material
Tab.1	Measuring range
Tab.5	Degree of protection
Tab.5	Wiring
Tab.4	Flow direction