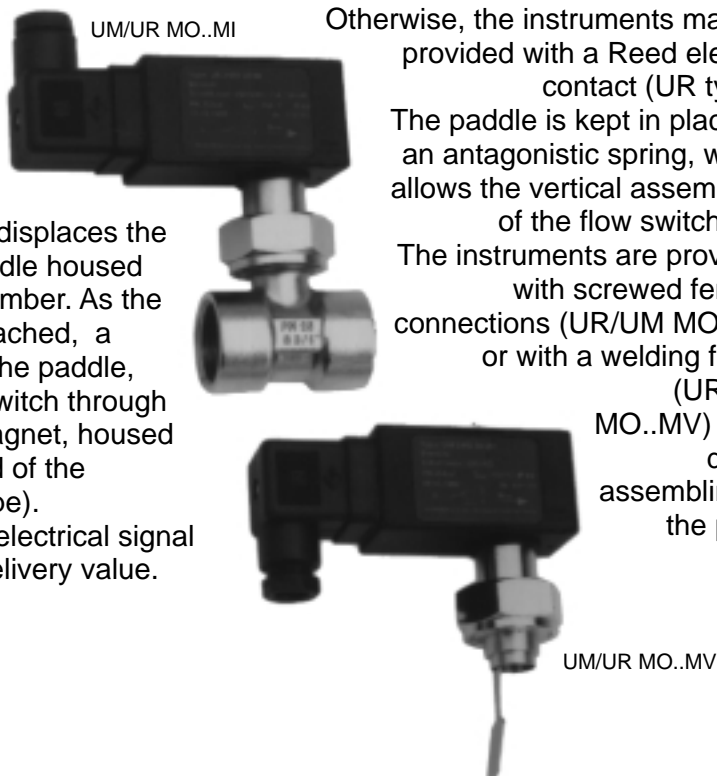


UM/UR Flow switches are a compact paddle instrument for liquid flow control.

The moving liquid displaces the stainless steel paddle housed inside the flow chamber. As the pre-set value is reached, a magnet, linked to the paddle, activates a microswitch through an antagonistic magnet, housed in the electric head of the instrument (UM type). That produces an electrical signal linked to the set delivery value.



Otherwise, the instruments may be provided with a Reed electric contact (UR type). The paddle is kept in place by an antagonistic spring, which allows the vertical assembling of the flow switch too. The instruments are provided with screwed female connections (UR/UM MO..MI) or with a welding fitting (UR/UM MO..MV) for a direct assembling in the pipe.

Use / Characteristics

- ◆ Constant adjustment of the set point value.
- ◆ Reduced pressure loss.
- ◆ Indifference to dirt.
- ◆ High electric performances.
- ◆ Small size.
- ◆ Stainless steel mechanisms.

The instrument may be used for the flow control of cooling and heating systems, hot water producers, compressors, etc....

Type	H mm	L mm	Kg.
UM 3/UR 3 MO 10 MI	86,5	50	0,3
UM 3/UR 3 MO 10 MI	86,5	50	0,3
UM 3/UR 3 MO 10 MI	88	50	0,3
UM 3/UR 3 MO 10 MI	92	50	0,4
UM 3/UR 3 MO 10 MI	96	50	0,5
UM 3/UR 3 MO 10 MI	99	50	0,5
UM 3/UR 3 MO 10 MI	108	50	0,9
UM 3/UR 3 MO 10 MI	18,5		0,2
UM 3/UR 3 MO 10 MI	27		0,2
UM 3/UR 3 MO 10 MI	40,5		0,2

Materials	UM 3 MO..MI/MV / UR 3 MO..MI/MV
Body	Brass
Welding conn.	Brass
Internal parts	Stainless steel
Electric head	POM
Seals	NBR

Electrical characteristics	UM 3 MO..MI/MV	UR 3 MO..MI/MV
SPDT microswitch	250V a.c. 5 A	N.O. Reed contact
Connector DIN 43650 A	Protection IP 65	250V a.c. 50 VA.
		Connector DIN 43650 A
		Protection IP 65

DN Thread	Gas	Type	max. P bar	max t °C	Calibration range		max. Q l/min	Δp max. Q bar	Tole rance %	Order n.	
					l/min. in falling flow	l/min				UM 3	UR 3
		Female screwed body			UM	UR					
3/8		UM 3/UR 3 MO 10 MI	25	110	3,5 - 5	3 - 4,5	10	0,1	10	930450	930420
1/2		UM 3/UR 3 MO 15 MI	25	110	5 - 6,5	5 - 6,5	20	0,1	10	930451	930421
3/4		UM 3/UR 3 MO 20 MI	25	110	7 - 9,5	6 - 8,5	40	0,1	10	930452	930422
1		UM 3/UR 3 MO 25 MI	25	110	13 - 16,5	12 - 16	60	0,1	10	930453	930423
1 1/4		UM 3/UR 3 MO 32 MI	25	110	21 - 27	20 - 27	80	0,1	10	930454	930424
1 1/2		UM 3/UR 3 MO 40 MI	25	110	35 - 46	34 - 44	100	0,1	10	930455	930425
2		UM 3/UR 3 MO 50 MI	25	110	63 - 76	54 - 69	150	0,1	10	930456	930426
		3/4" Slotter nut with welding connection									
15	3/4	UM 3/UR 3 MO 10 MI	25	110	10 - 13	8,5 - 11	20	0,1	10	930457	930427
20			25	110	17,5 - 22	14 - 19	40	0,1	10	930457	930427
25	3/4	UM 3/UR 3 MO 25 MI	25	110	18 - 22,5	15 - 20	80	0,1	10	930459	930429
32			25	110	44 - 55,5	39 - 52	100	0,1	10	930459	930429
40			25	110	55,5 - 72	49 - 64	150	0,1	10	930459	930429
50	3/4	UM 3/UR 3 MO 50 MI	25	110	75 - 90	68 - 84	200	0,1	10	930462	930432
65			25	110	151 - 186	127 - 163	400	0,1	10	930462	930432
80			25	110	228 - 268	189 - 248	600	0,1	10	930462	930432

Hysteresis: UM 15% UR 10%

SEE UPDATED PRICE LIST