

## GENERAL CHARACTERISTICS



Paddle flow switches in compact design. When the set point value is reached, a magnet, fixed to the paddle, actuates the electrical contact housed outside in the electric head. The electric head is separated from the mechanical part and can be replaced without removing the flow switch from the hydraulic circuit. The calibration value is adjustable from the outside even in working condition and when the contact is powered. The electrical connection is realized via DIN 43650 plug and PG9 gable gland.



- Hermetic separation between flow chamber and switch head.
- No restrictions on mounting position.
- Low pressure loss.
- Adjustable setting.
- Insensitive to impurities.

Universal welding fitting DN10-DN80 supplied with the instrument.

## TECHNICAL DATA Tab.1

DN Pipe	Code	Setting ranges UM3K	l/min H <sub>2</sub> O UR3K	Q max l/min	ΔP max Bar	P max Bar	T max °C	Weight Kg	Dimensions			
									H	D	A	B
15	015	10 - 13	8,5 - 11	20	0,01	25	110	0,21	18,5	10	-	-
20		17,5 - 22	14 - 19	40	0,01	25	110					
25	025	18 - 22,5	15 - 20	80	0,01	25	110	0,22	27,0	-	12	16
32		44 - 55,5	39 - 52	100	0,01	25	110					
40	050	55,5 - 72	49 - 64	150	0,01	25	110	0,23	40,5	-	12	19
50		75 - 90	68 - 84	200	0,01	25	110					
65		151 - 186	127 - 163	400	0,01	25	110					
80		228 - 268	189 - 248	600	0,01	25	110					

Setting ranges for horizontal mounting and decreasing flow. With reference to DIN2448 pipe standard thickness.

See Tab.4

Accuracy ± 15% F.S.      Hysteresis 15% - min. 0,7 l/min.

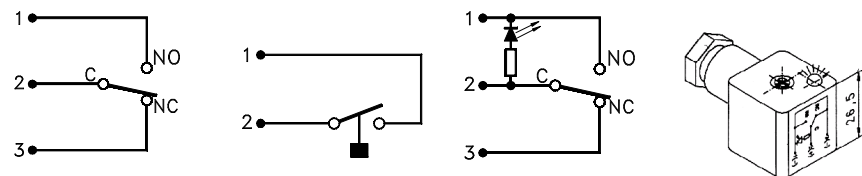
## MATERIALS Tab.2

Description	Code VM	Code VK
Body	Nickel plated brass	Stainless steel 1.4571
Paddle	Stainless steel 1.4571	Stainless steel 1.4571
Spring	Stainless steel 1.4310	Stainless steel 1.4310
Magnet	Oxid 300	Oxid 300
Sealing gasket	NBR	Viton
Electric head	Polycarbonate	Polycarbonate

## ELECTRICAL DATA Tab.3

Description	Characteristics						
UM3K	MICRO	SPDT	250Vac	5A	-		
UR3K	REED	N.O	250Vac	1,5A	50VA		
Electrical output	Plug		DIN 43650A				
Protection	IP65						
Option UM3K							
Diode	LED	Red color integrated in the plug cap					
Voltage	Vac	230	110	48	24	12	To be specified

## CABLAGGIO E DIMENSIONI Tab.4



UM3K = 0371

UR3K = 0372

UM3K = 0208

## NOMENCLATURE

UM3K	025	VM	IP65	0371
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	•			
		•		
			•	
				•

	Name - Type
Tab.1	DN dimension
Tab.2	Material
Tab.3	Degree of protection
Tab.4	Wiring

