



GENERAL CHARACTERISTICS

Instruments operate by a spring-supported paddle with magnetic triggering of a reed switch.

- * good repeatability
- * low pressure loss
- * dirt resistant
- * hermetic separation of electrical and hydraulic components
- * stress free fixation of switch unit by plastic cap

Male thread G1/2 - DN 32 to DN 80 brass/stainless steel



UR1-015HM

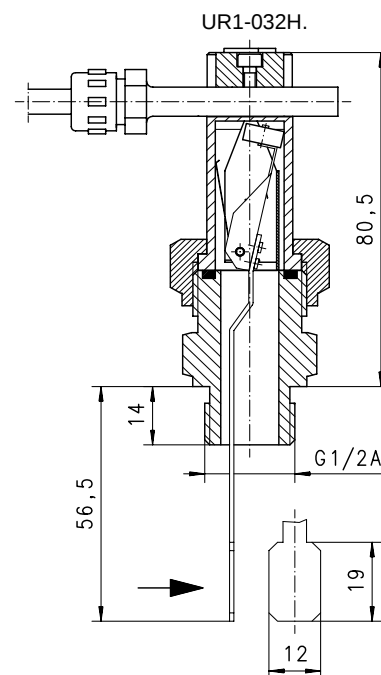
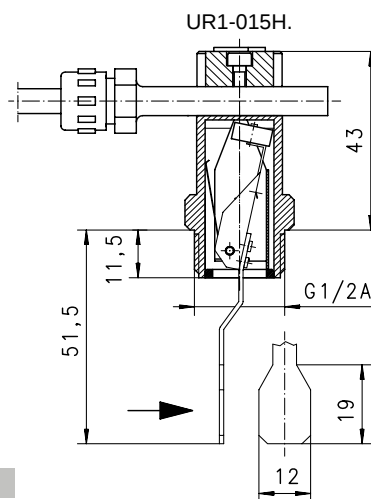
TECHNICAL DATA

	DN	Type	PN bar	Qmax. recom. l/min H ₂ O	adjustable range l/min H ₂ O	weight kg
brass	32	UR1-015HM	25	100	23 - 30	0.18
	40			150	33 - 44	
	50	UR1-032HM	25	200	38 - 48	0.38
	65			400	60 - 84	
	80			600	81 - 118	
stainless steel	32	UR1-015HK	25	100	23 - 30	0.18
	40			150	33 - 44	
	50	UR1-032HK	25	200	38 - 48	0.38
	65			400	60 - 84	
	80			600	81 - 118	

Adjustable range is indicated for horizontally decreasing flow.

Calibrated in tube DIN2448 standard wall thickness.

tolerance	±15% of full scale
media temperature	max. 110°C
average pressure loss	0.01 bar at Qmax.
hysteresis	depending on switch value
	minimum 0.7 l/min.



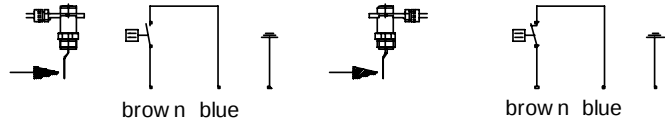
MATERIALS

	UR1-...HM	UR1-...HK
socket	brass Ms58	stainless steel 1.4305
body	brass Ms58	stainless steel 1.4571
paddle	stainless steel 1.4301 ; 1.4571	stainless steel 1.4301 ; 1.4571
spring	stainless steel 1.4310	stainless steel 1.4310
magnet	oxyd 300	oxyd 300
seal	NBR	viton

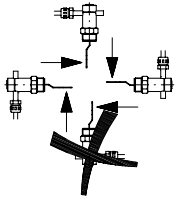


ELECTRICAL DATA

reed switch
wiring 0.225
n.c. or n.o. depending on installation position
250 V AC 1A 50VA
cable gland with 1.5 m cable
protection class IP 65



MOUNTING POSITION



Installation position may
influence switch value.

METERING SUBSTANCES



water



gas/air



oil

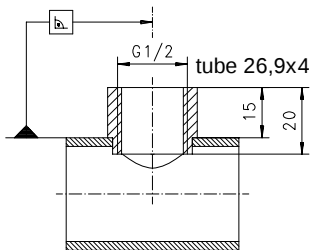
NOMENCLATURE

UR1-	015	H	M	basic type specification
	015			● nominal diameter DN 32 - 40
	032			● nominal diameter DN 50 - 80
		H		● welding socket
			M	● brass design
			K	● stainless steel design
Special option VARIO				☐ setting / adjustable ranges for oil or gas special cable length

IMPORTANT FOR YOUR ORDER

- Please indicate flow direction, metering substance and adjustable range with your order.
- With viscous liquids please indicate viscosity, temperature and metering substance (adjustable range on request)
- With gaseous media indicate pressure (relative or absolute), temperature and metering substance (adjustable range on request)

INSTALLATION RECOMMENDATIONS



Tube DIN 2448
standard wall thickness

All technical changes reserved

●BASIC Standard ○BASIC Programme option □VARIO Special option ⊕ PLUS Accessories

✗ not recommendable