

## HONSBERG - UR1 SERIES FLOW SWITCH

Paddle

UR1-010GM  
2,5..3,5l/minH<sub>2</sub>O, G<sup>3</sup>/<sub>8</sub>"F, Brass

- Switching range 1,3..35 l/min
- Water (oils, gases and aggressive media available on request)
- G<sup>3</sup>/<sub>8</sub>" up to G2"
- Brass or stainless steel wetted parts
- Max pressure 25 bar



### PRODUCT DESCRIPTION

The Honsberg UR1 is a simple flow switch which can easily be adjusted and also changed from normally open to normally closed. The flow switch works via a spring-supported paddle which moves according to the flow and when the specific flow is reached a magnetic reed switch is activated.

### Special versions

- Plastic materials
- Weld/solder connection
- High volume OEM version
- Ex
- Switching ranges for oil or gas
- Special values
- High volume OEM version
- PVC (solder fitting)

### Ordering information

- Specify direction of flow, medium, and switching range, UR1 or switching value UR2.
- For UR2 specify normally closed (n.c.) or normally open (n.o.).
- For oils, state viscosity, temperature and designation (e.g. ISO VG 68) (enquire about range).
- For gases, state pressure (relative or absolute), temperature and medium (e.g. air) (enquire about range).

### Installation

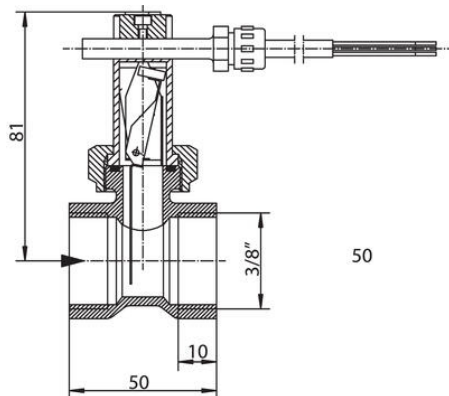
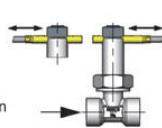
- Include straight calming section of 5 x DN in inlet and outlet.
- Include a filter if the media is dirty (use magnetic filter for ferritic components).
- It must be ensured that the values given for voltage, current and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive, inductive and lamp loads must be operated using a protective circuit.
- Standard: horizontal inwards flow; switching head not recommended underneath; other installation positions are possible; the installation position affects the switching point and range.

## TECHNICAL DATA

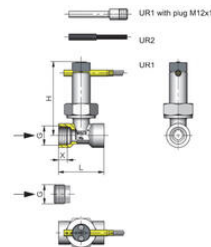
<b>Accuracy</b>	±15% fs
<b>Adjustable switching point l/min water</b>	2,5..3,5 l/min
<b>Connection type</b>	G3/8" female
<b>Contact rating max</b>	50 A
<b>Electrical connection</b>	1.5m cable
<b>Flow max</b>	10 l/min
<b>Function</b>	Normally open or normally closed (SPST)
<b>IP class</b>	IP65
<b>Material breaker body</b>	Hard ferrite
<b>Material of body</b>	Nickel-plated brass, Stainless steel 303
<b>Material of connection</b>	Nickel-plated brass
<b>Material of seals</b>	NBR
<b>Material of wetted parts</b>	Nickel-plated brass, Stainless steel, Hard ferrite, NBR
<b>Material paddle</b>	Stainless steel 301
<b>Media</b>	Water (oil, air and aggressive media on request)
<b>Pressure drop</b>	Approx. 0.01 bar at max. flow
<b>Pressure range max</b>	25 bar
<b>Temperature of media from</b>	20 °C
<b>Temperature of media to</b>	110 °C
<b>Type of flow component</b>	Flow Switches
<b>Weight</b>	0.35 kg
<b>Viscosity</b>	1 cSt
<b>Voltage ac max</b>	230 V

#### Adjustment

UR1 - loosen bolts, push the switching current tube into the desired position. Retighten the bolts.  
Normally closed (n.c.) or normally open (n.o.) as per table "Technical data"



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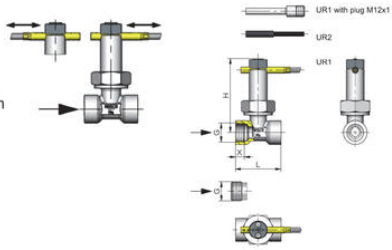


#### Dimensions and weights

G	Types	H	L	X	Weight
					UR1 UR2
G 1/4	UR-010GM	82	50	10	0.35
	UR-010GK				0.40
	UR-010GK				0.40
G 1/2 A	UR-015AM	60	12		0.35
	UR-015AP				0.15
	UR-015AP				0.15
G 1/2	UR-015GM	50	10		0.35
	UR-015GK				0.40
	UR-015GK				0.40
G 3/4	UR-025GM	83	12		0.35
	UR-025GK				0.40
	UR-025GK				0.40
G 1	UR-025GM	87			0.40
	UR-025GK				0.45
	UR-025GK				0.45
G 1 1/4	UR-030GM	91			0.40
	UR-030GK				0.50
	UR-030GK				0.50
G 1 1/2	UR-040GM	94			0.55
	UR-040GK				0.65
	UR-040GK				0.65
G 2	UR-050GM	103			0.80
	UR-050GK				0.95

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**Dimensions and weights**

G	Types	H	L	X	Weight
G 1/4	UR -015GM	82	50	10	UR1 0,35
	UR -015GK				UR2 0,35
G 1/2, A	UR -015GM	60	12		0,60 0,40
	UR -015AM				0,35 0,30
G 1/2	UR -015AP	50	10		0,15 0,15
	UR -015GM				0,35 0,30
G 1/2	UR -015GK	83		12	0,40 0,40
	UR -025GM				0,35 0,35
G 1	UR -025GM	87			0,40 0,40
	UR -025GK				0,43 0,45
G 1 1/4	UR -032GM	91			0,40 0,40
	UR -032GK				0,50 0,50
G 1 1/2	UR -040GM	94			0,55 0,55
	UR -040GK				0,65 0,65
G 2	UR -050GM	103			0,80 0,75
	UR -050GK				0,95 0,95