



## Variable Area Flowmeters



measuring  
•  
monitoring  
•  
analysing

### URB



- Measuring range:  
Water: 10 - 100 l/h ... 100 - 1000 l/h  
Air: 0.32 - 3.2 Nm<sup>3</sup>/h ... 3.2 - 32 Nm<sup>3</sup>/h
- Accuracy class: Category 4
- $p_{\max}$ : 3 bar;  $t_{\max}$ : 65 °C
- Connection: G 1/2, G 3/4, G 1, G 1 1/4
- Material: PVC



S2

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**Description**

The flow meters model URB for liquids operate on the suspended float principle; i.e. the installation position is vertical and the direction of flow is from bottom to top. The flow meter has an economical armature. The measuring tube is not covered or protected against external impact. The instruments have been designed as simple and are thus suitable for economical measuring systems.

**Technical Details**

Installation position: vertical, flow from bottom  
 Accuracy class: 4 acc. to VDI/VDE 3513  
 Max. pressure: 3 bar  
 Process temperature: 0...+65 °C  
 Protection: IP65  
 Connections: G½, G¾, G1, G1¼

Model	L [mm]	G
URB-10x	350	G½
URB-12x	350	G½
URB-14x	360	G¾
URB-16x	360	G¾
URB-18x	370	G1
URB-20x	390	G1¼

**Material combinations URB**

Model	Connection	Float	Gaskets	Measuring tube
URB-..	PVC	Stainless steel 1.4301	NBR	Borosilicate glass

**Order Details Water** (Example: URB-10H G4)

Model	Measuring range Water [l/h]	Connection (male)	Connection (female)
URB-..	10H = 10 ... 100	G4 = G½	I4 = G½
	12H = 16 ... 160		
	14H = 25 ... 250	G5 = G¾	I5 = G¾
	16H = 40 ... 400		
	18H = 63 ... 1630	G6 = G1	I6 = G1
	20H = 100 ... 1000	G7 = G1¼	I7 = G1¼

**Order Details Air** (Example: URB-10L G4)

Model	Measuring range Air [Nm³/h]	Connection (male)	Connection (female)
URB-..	10L = 0.32 ... 3,2	G4 = G½	I4 = G½
	12L = 0.5 ... 5		
	14L = 0.8 ... 8	G5 = G¾	I5 = G¾
	16L = 1.3 ... 13		
	18L = 2 ... 20	G6 = G1	I6 = G1
	20L = 3.2 ... 32	G7 = G1¼	I7 = G1¼

**Dimensions**

