

Variable Area Flowmeter for Monitoring Gas Burners



measuring
•
monitoring
•
analyzing

UTS



- Measuring Range:
Water: 0.1...1.0 to 1.0...10.0 GPH
Air: 0.25...2.5 to 10.0...100 SCFH
- Accuracy Class: 4 According to VDI/VDE
- p_{\max} : 45 PSIG; t_{\max} : 150 °F
- Connection: M18 x 1.5 Axial or T adapter (1/4" NPT or G 1/4)
- Material: Ni-plated Brass



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Variable Area Flowmeter Model UTS

Description

The economical KOBOLD UTS is designed to monitor gas burners (e.g. oxygen, hydrogen, methane, inert gases). It works via the suspended float principle. The media enters through a 4 mm hole within the M18x1.5 connection and exits through six holes concentrically positioned around the inlet hole. This special connection is made especially for the UTS and is also provided with a special seal. For horizontal installations, a required 1/4" NPT or G 1/4 adapter is optionally available. Because of the compact design, the UTS is an optimal choice for small installation spaces. It also features a measuring tube that is easy to exchange. The armature is made of nickel plated brass with impact resistant polystyrene protection.



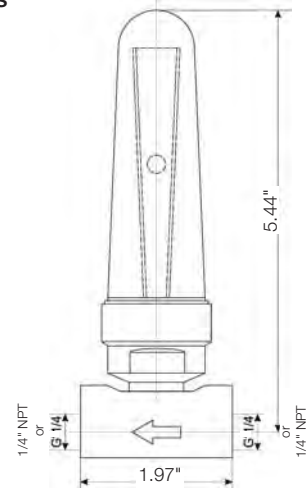
Technical Details

Installation Position: Vertical, Flow from Bottom
Accuracy Class: 4 According to VDI/VDE 3513
Max. Pressure: 45 PSIG
Process Temperature: 32...150 °F
Ambient Temperature: 32...212 °F
Connections: M18 x 1.5 Axial
 1/4" NPT or G 1/4 via adapter
 (for Horizontal Pipes)
Protection: IP 65

Material

Fitting: Ni-plated Brass
Measuring Tube: Borosilicate Glass
Bulb: Polystyrene
Float: 316 Stainless Steel
O-Ring: NBR

Dimensions



Material Combination

Housing	Connection	Valve*	Float	Gasket	Tube
Ni-plated Brass	Ni-plated Brass	304 SS	316 SS	NBR	Borosilicate Glass

Order Details (Example: UTS-1 10G 0 N0)

Model	Measuring Ranges Water (GPH)	Measuring Ranges Air (SCFH)	Needle Valve	Connection
UTS-1..	..10G.. = 0.1...1.0	-	..0.. = Without ..1*.. = With Valve	..N0 = 1/4" NPT (via Adapter) ..G0 = G 1/4 (via Adapter) ..I0 = M18 x 1.5
	..12G.. = 0.16...1.6	-		
	..14G.. = 0.25...2.5	..14A.. = 0.25...2.5		
	..16G.. = 0.4...4.0	..16A.. = 0.4...4.0		
	..18G.. = 0.63...6.3	..18A.. = 0.63...6.3		
	..20G.. = 1.0...10.0	..20A.. = 1.0...10		
	-	..22A.. = 1.6...16		
	-	..24A.. = 2.5...25		
	-	..26A.. = 4.0...40		
	-	..28A.. = 6.3...63		
-	..30A.. = 10...100			

* in preparation