

# 100mm Scale Glass Tube & Float for Gas & Water

DS3601



RRRB MP

PB



## Features:

- Instantaneous response
- Simple and reliable operation
- Low line pressure loss
- High resolution
- Custom scales available on request

## Description:

The Platon range of Glass Tube Flowmeters typically uses the 100mm scale length borosilicate glass tube and a float. Based on the well known variable area (VA) principle of low measurement, these flowmeters provide clear, simple and reliable operation.

Platon Glass Tubes from RM&C are individually scaled and calibrated according to customer's requirements. Custom scales are produced using our "Reynolds Curve" prediction software, which uses air or water calibration data corrected for the effects of temperature and pressure on the density and viscosity of the working fluid.

## Principle of Operation

Fluid flowing vertically upwards through the tapered glass tube causes the float to rise to an equilibrium position. Flow rate is measured by reading the top edge of the float against the scaled tube.

WATER	
SKU	Air Flow Range
FGTF1AHS-C	2 - 25 cm <sup>3</sup> /min
FGTF1ASS-C	10 - 80 cm <sup>3</sup> /min
FGTF1ASS-E	0.6 - 4.6 L/Hr
FGTF2AHS-C	50 - 800 cm <sup>3</sup> /min
FGTF2AHS-E	2 - 46 L/Hr
FGTF2ASS-C	0.1 - 1.5 L/min
FGTF2ASS-C	0.2 - 1.5 L/min
FGTF2ASS-E	10 - 90 L/Hr
FGTF2BHS-C	20 - 280 cm <sup>3</sup> /min
FGTF2BHS-E	1 - 16 L/Hr
FGTF3AHS-C	0.2 - 3.0 L/min
FGTF3AHS-E	10 - 180 L/Hr
FGTF3ASS-C	0.4 - 4.4 L/min
FGTF3ASS-E	20 - 270 L/Hr

AIR			
SKU	Air Flow Range	SKU	Air Flow Range
FGTF1AHD-B	60 - 600 cm <sup>3</sup> /min	FGTF2CHD-B	0.2 - 2 L/min
FGTF1AHD-D	2 - 40 L/Hr	FGTF2CHD-D	10 - 120 L/Hr
FGTF1AHS-B	0.1 - 1.2 L/min	FGTF3AHS-B	10 - 100 L/min
FGTF1AHS-D	5 - 70 L/Hr	FGTF3ASS-B	30 - 150 L/min
FGTF1BHD-B	20 - 250 cm <sup>3</sup> /min		
FGTF1CHD-B	5 - 100 cm <sup>3</sup> /min		
FGTF2AHD-B	1 - 12 L/min		
FGTF2AHD-B	6 - 50 L/min		
FGTF2AHD-D	50 - 700 L/Hr		
FGTF2AHS-B	2 - 25 L/min		
FGTF2BHD-B	0.6 - 5.0 L/min		
FGTF2BHD-D	30 - 300 L/Hr		
FGTF2BHS-B	1 - 10 L/min		
FGTF2CDSP-B	0.2 - 3.4 L/min		



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ARGON	
SKU	Air Flow Range
FGTF1AHD-J	60 - 560 cm <sup>3</sup> /min
FGTF1AHS-J	0.1 - 1 L/min
FGTF1CHD-J	5 - 80 cm <sup>3</sup> /min
FGTF2AHD-J	1 - 10 L/min
FGTF2AHS-J	2 - 22 L/min
FGTF2BHD-J	0.6 - 4.0 L/min
FGTF2CHD-J	0.2 - 1.7 L/min
FGTF3AHD-J	4-40 L/min
FGTF3AHS-J	10 - 85 L/min
FGTF3ASS-J	30 - 130 L/min

BUTANE	
SKU	Air Flow Range
FGTF1AHD-M	100 - 700 cm <sup>3</sup> /min
FGTF1AHS-M	0.1 - 1.1 L/min
FGTF1BHD-M	50 - 290 cm <sup>3</sup> /min
FGTF1CHD-M	20 - 120 cm <sup>3</sup> /min
FGTF2AHD-M	1 - 10 L/min
FGTF2AHS-M	2 - 18 L/min
FGTF2BHD-M	0.8 - 4.0 L/min
FGTF2CHD-M	0.4 - 2.0 L/min
FGTF3AHD-M	4-36 L/min
FGTF3AHS-M	10 - 75 L/min

CARBON DIOXIDE	
SKU	Air Flow Range
FGTF1AHD-R	50 - 700 cm <sup>3</sup> /min
FGTF1AHS-R	0.1 - 1 L/min
FGTF1CHD-R	10 - 100 cm <sup>3</sup> /min
FGTF2AHD-R	1 - 10 L/min
FGTF2AHS-R	2 - 20 L/min
FGTF2BHD-R	0.8 - 4.4 L/min
FGTF2CHD-R	0.2 - 1.8 L/min
FGTF3AHD-R	10 - 80 L/min
FGTF3AHD-R	4-40 L/min
FGTF3ASS-R	30 - 120 L/min

CARBON MONOXIDE	
SKU	Air Flow Range
FGTF1AHD-G	50 - 700 cm <sup>3</sup> /min
FGTF1AHS-G	0.1 - 1.2 L/min
FGTF1CHD-G	10 - 100 cm <sup>3</sup> /min
FGTF2AHD-G	1 - 12 L/min
FGTF2AHS-G	2 - 26 L/min
FGTF2BHD-G	0.6 - 5.0 L/min
FGTF2CHD-G	0.2 - 2.0 L/min
FGTF3AHD-G	4 - 50 L/min
FGTF3AHS-G	10 - 100 L/min



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CRACKED AMMONIA	
SKU	Air Flow Range
FGTF1AHD-K	0.1 - 1.1 L/min
FGTF1AHS-K	0.1 - 1.8 L/min
FGTF1BHD-K	30 - 360 cm <sup>3</sup> /min
FGTF1CHD-K	10 - 100 cm <sup>3</sup> /min
FGTF2AHD-K	2 - 22 L/min
FGTF2AHS-K	2 - 48 L/min
FGTF2BHD-K	1 - 8 L/min
FGTF2CHD-K	0.3 - 3.0 L/min
FGTF3AHD-K	10 - 90 L/min
FGTF3AHS-K	20 - 180 L/min

HELIUM	
SKU	Air Flow Range
FGTF1AHD-N	50 - 800 cm <sup>3</sup> /min
FGTF1AHS-N	0.1 - 1.8 L/min
FGTF1BHD-N	20 - 280 cm <sup>3</sup> /min
FGTF1CHD-N	10 - 100 cm <sup>3</sup> /min
FGTF2AHD-N	2 - 28 L/min
FGTF2AHS-N	4 - 60 L/min
FGTF2BHD-N	0.5 - 9.0 L/min
FGTF2CHD-N	0.2 - 3.0 L/min
FGTF3AHD-N	10 - 120 L/min
FGTF3AHS-N	20 - 270 L/min

HYDROGEN	
SKU	Air Flow Range
FGTF1AHD-S	0.2 - 2.0 L/min
FGTF1AHS-S	0.2 - 3.4 L/min
FGTF1CHD-S	25 - 280 cm <sup>3</sup> /min
FGTF2AHS-S	5 - 95 L/min
FGTF2BHD-S	1 - 15 L/min
FGTF2CHD-S	0.4 - 5.0 L/min
FGTF3AHD-S	10 - 180 L/min
FGTF3AHS-S	40 - 380 L/min

METHANE	
SKU	Air Flow Range
FGTF1AHD-H	0.05 - 1 L/min
FGTF1AHS-H	0.1 - 1.7 L/min
FGTF1BHD-H	40 - 360 cm <sup>3</sup> /min
FGTF1CHD-H	10 - 150 cm <sup>3</sup> /min
FGTF2AHD-S	1 - 18 L/min
FGTF2AHS-H	2 - 36 L/min
FGTF2BHD-H	1 - 7 L/min
FGTF2CHD-H	0.4 - 2.8 L/min
FGTF3AHD-H	10 - 65 L/min
FGTF3AHS-H	15 - 140 L/min



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NITROGEN	
SKU	Air Flow Range
FGTF1AHD-L	60 - 600 cm <sup>3</sup> /min
FGTF1AHS-L	0.1 - 1.2 L/min
FGTF1BHD-L	20 - 250 cm <sup>3</sup> /min
FGTF1CHD-L	5 - 100 cm <sup>3</sup> /min
FGTF2AHD-L	1 - 12 L/min
FGTF2AHS-L	2 - 25 L/min
FGTF2BHD-L	0.6 - 5.0 L/min
FGTF2BHD-L	0.6 - 5.0 L/min
FGTF2CHD-L	0.2 - 2.0 L/min
FGTF3AHD-L	6 - 50 L/min
FGTF3AHS-L	10 - 100 L/min
FGTF3ASS-L	30 - 150 L/min

OXYGEN	
SKU	Air Flow Range
FGTF1AHD-P	40 - 600 cm <sup>3</sup> /min
FGTF1AHS-P	0.1 - 1.1 L/min
FGTF1BHD-P	20 - 220 cm <sup>3</sup> /min
FGTF1BHD-T	40 - 300 cm <sup>3</sup> /min
FGTF1CHD-P	5 - 90 cm <sup>3</sup> /min
FGTF2AHD-P	1 - 12 L/min
FGTF2AHS-P	1 - 25 L/min
FGTF2BHD-P	0.6 - 4.4 L/min
FGTF2CHD-P	0.2 - 1.8 L/min
FGTF3AHD-P	4 - 48 L/min
FGTF3AHS-P	10 - 100 L/min
FGTF3ASS-P	30 - 140 L/min

PROPANE	
SKU	Air Flow Range
FGTF1AHD-T	100 - 750 cm <sup>3</sup> /min
FGTF1AHS-T	0.1 - 1.2 L/min
FGTF1CHD-T	30 - 140 cm <sup>3</sup> /min
FGTF2AHD-T	1 - 11 L/min
FGTF2AHS-T	2 - 22 L/min
FGTF2BHD-T	0.3 - 2.2 L/min
FGTF2CHD-T	0.3 - 2.2 L/min
FGTF3AHD-T	4-40 L/min
FGTF3AHS-T	10 - 85 L/min
FGTF3ASS-T	30 - 120 L/min



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