

VF563 Series Blow-By Flow Meters

The J-TEC in-line flow meters provide all the advantages of vortex shedding technology, in a design that is perfect for rugged applications with minimal space requirements. The VF563 Series is the best value for your low-pressure gaseous flow applications. This device is the meter of choice especially for the measurement of blow-by gases in engine testing applications. Other vortex flow meters lack crucial sensitivity because they can only detect vortices created by large, restrictive obstructions. This diminishes important low-end performance. The J-TEC design incorporates a small strut, which offers minimal flow restriction, for high accuracy over an extended range. Each meter is individually calibrated to NIST traceable standards. J-TEC flow meters have no moving parts, so they are rugged and trouble-free.

Benefits include: Minimal effect on engine performance during measurement, low pressure drop, drift-free performance, excellent at low flows (down to 0.14 ACFM), easy maintenance, 40:1 turndown ratio, continuous flow readings, high accuracy, excellent repeatability.

SPECIFICATIONS

Operating (gas) temperature:	0° to 200°F (-18° to 93°C)
Operating pressure:	-5 to 30 PSIG (-0.34 to 2.1 BARg)
Accuracy:	± 2% full scale
Repeatability:	± 0.5% of reading
Input power:	+12 to +24 VDC at 35 mA
Outputs:	0 to 5 VDC, Frequency or Optional Handheld Display
Construction:	Anodized aluminum
Ambient temperature limits:	-20° to 150°F (-28° to 66°C)
Response Time-Analog/Freq:	100 milliseconds

FLOW RANGES

Model	VF563AA	VF563A	VF563B	VF563J	VF563K	VF563C	VF563F	VF563G
Line Size in. (mm)	3/8 (9.5)	1/2 (12.7)	5/8 (15.9)	3/4 (19.05)	1 (25.4)	1-3/8 (34.9)	2 (50.8)	4 (101.6)
Range ACFM	0.14 to 5	0.25 to 10	0.40 to 16	0.7 to 26	1 to 47	2 to 80	5 to 200	20 to 600
Range CFH	8.4 to 300	15 to 600	24 to 960	42 to 1560	60 to 2820	120 to 4800	300 to 12000	1200 to 36000
Range m3/Hr	0.24 to 8	0.42 to 16	1 to 27	1.1 to 44	1.6 to 79	3 to 135	8 to 339	34 to 1019
Range LPM	4 to 141	7 to 283	11.3 to 453	20 to 736	28 to 1330	57 to 2265	141 to 5662	566 to 16987