



VA 521 - Compact Inline flow meter for compressed air and other gas types

No inlet sections necessary – integrated flow straightener - Sensor unit can be removed

The newly developed VA 521 combines modern digital interfaces for connection to an energy monitoring system with a small, compact design. The VA 521 is always used when many machines (compressed air consumers) are to be integrated into an energy monitoring network.



Display values can be rotated by 180° in the display, e. g. when installing overhead

Display shows 2 values at the same time:

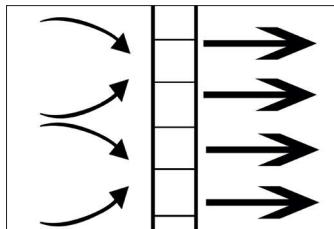
- Actual Flow in m³/h, l/min,...
- Total consumption (meter reading) in m³, l, kg
- Temperature measurement

Screw thread:

Easy installation in existing piping through integrated measuring block (suitable for 1/2", 3/4", 1", 1 1/4", 1 1/2" or 2" lines)

The advantages at a glance:

- Compact, small design - for use in machines, behind maintenance unit at the end user
- All interfaces are programmable via the display
- Modbus RTU output
- 4...20mA analog output for actual flow
- Pulse output total flow (counter reading), galvanically isolated. Optionally M-Bus, Ethernet-Interface, or PoE



Integrated flow straightener - no inlet sections necessary

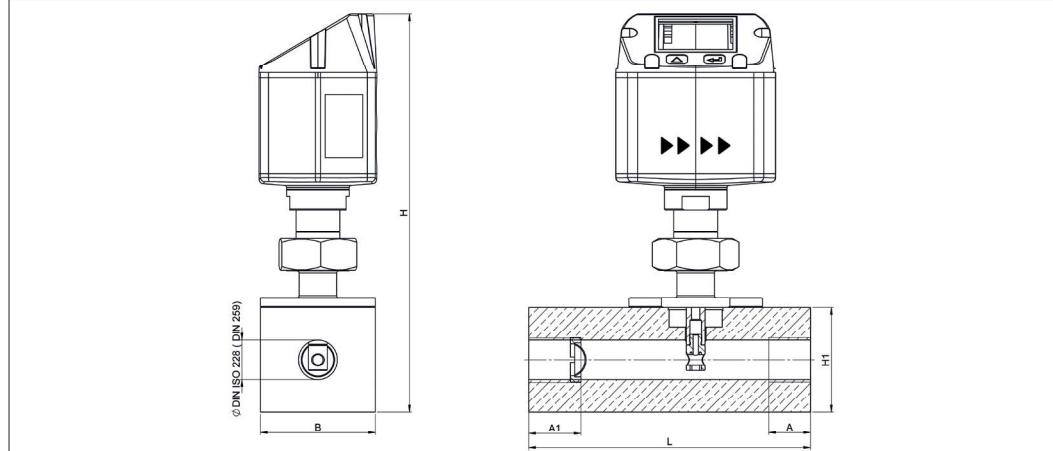


With keystroke:

- Reset counter
- Select units
- Parameterize interface



The sensor can be removed from the measuring block and cleaned



Measuring ranges flow VA 521 (Max version 185 m/s) for compressed air (ISO 1217: 1000 mbar, 20 °C).
Measuring ranges for other gas types see pages x to x

Measuring section	Thread	Measuring range m ³ /h cfm	L mm	B mm	H1 mm	H mm	A mm	A mm
DN 15	G 1/2"	90 m ³ /h 50 cfm	135	55	50	109.65	25	20
DN 20	G 3/4"	170 m ³ /h 100 cfm	135	55	50	109.65	26	20
DN 25	G 1"	290 m ³ /h 170 cfm	135	55	50	109.65	33	25
DN 32	G 1 1/4"	530 m ³ /h 310 cfm	135	80	80	215.45	35	25
DN 40	G 1 1/2"	730 m ³ /h 430 cfm	135	80	80	215.45	36	25
DN 50	G 2"	1195 m ³ /h 700 cfm	135	80	80	215.45	44	30

