

# Flow sensor SFAH

FESTO



## Compact and universal

### Highlights

- Switchable electrical outputs
- 8 flow measuring ranges from 0.002 l/min ... 200 l/min
- Very clear display
- Compact design 20 x 58 mm
- Replicable
- Attractive price and great performance
- Large operating pressure range -0.9 ... +10 bar

The SFAH monitors the flow of compressed air and non-corrosive gases. It is ideal for many industry sectors thanks to its compact design, a range of installation options and the space-saving adjustable QS elbow connections. The bypass construction of the SFAH means that it is less susceptible to particles and moisture. The flow value is transmitted to the connected controller as a digital switching signal, an analogue signal or via IO-Link®.

### Numerous areas of application

8 flow ranges from 0.002 l/min ... 200 l/min mean the highly precise SFAH is very flexible. Whether used for process monitoring, feedback when handling small parts, monitoring consumption, leak testing, monitoring forming gas or object monitoring via air gap measurement, the SFAH perfectly masters all tasks.

### Quick to install and easy to use

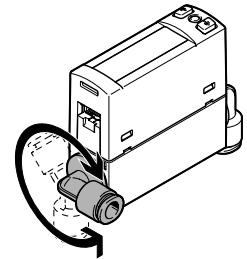
The SFAH doesn't need inlet sections. The adjustable QS elbow connections and the L1 and M8 plugs ensure that the SFAH can be put into operation quickly. Navigating through the menus on the clear display is highly intuitive and users can configure the colour scheme of the entire display, which makes for great ease of use without the potential for errors.

# Flow sensor SFAH

## Flow sensor SFAH with an array of functions

- Monitoring using the teach-in function or by entering values
- Mass flow and volumetric flow rates are displayed in commonly used measurement units
- Switching output with adjustable volume pulse
- Possible to switch between 3 standard conditions
- Optional security code can be freely chosen (4-digit code)
- Adjustable low-pass filter to smooth the flow signal
- Scaling of the analogue output to the measuring range required for the relevant application
- Offset compensation possible
- Min./max. value memory
- All the settings that have been entered for one sensor can be transferred to other, identical sensors

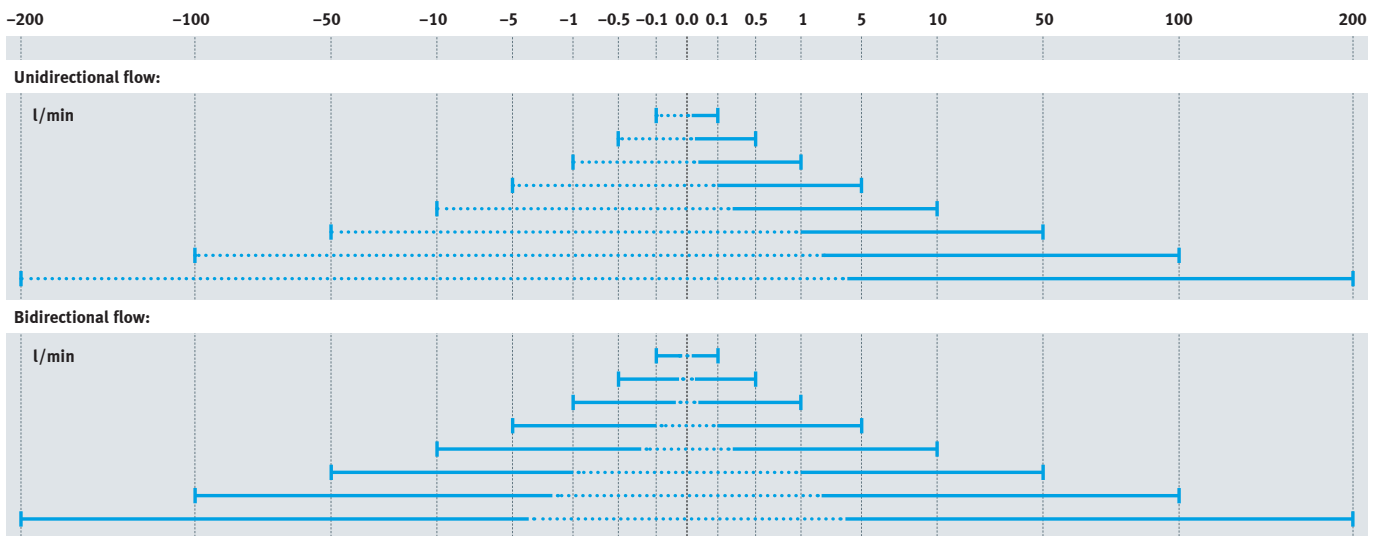
### Space-saving adjustable QS elbow connections



### Technical data

<b>Flow measuring range [l/min]</b>	0.002 ... 0.1	0.01 ... 0.5	0.02 ... 1	0.1 ... 5	0.2 ... 10	1 ... 50	2 ... 100	4 ... 200
<b>Flow direction</b>	Unidirectional, bidirectional							
<b>Measured variable</b>	Mass flow rate, volumetric flow rate							
<b>Operating pressure [bar]</b>	-0.9 ... 10							
<b>Temperature range</b>	0 ... +50							
<b>Electrical outputs</b>	Output 1: PNP/NPN/IO-Link® Output 2: PNP/NPN/0 ... 10 V/1 ... 5 V/4 ... 20 mA							
<b>Pneumatic connections</b>	G 1/8 (straight) Female thread	G 1/4 (straight) Female thread	QS 4 (straight/angled) Push-in connector 4 mm	QS 6 (straight/angled) Push-in connector 6 mm	QS 8 (straight/angled) Push-in connector 8 mm			
<b>Electrical connections</b>	L1, M8							
<b>Degree of protection</b>	IP 40							
<b>Accessories</b>	H-rail mounting, wall mounting, front panel mounting kit, connecting cable							

### Chart of flow ranges covered by the SFAH



- Measuring range: the accuracy specifications provided apply.
- ⋯ Sensing range: the flow values are displayed; the accuracy specifications provided do not apply.