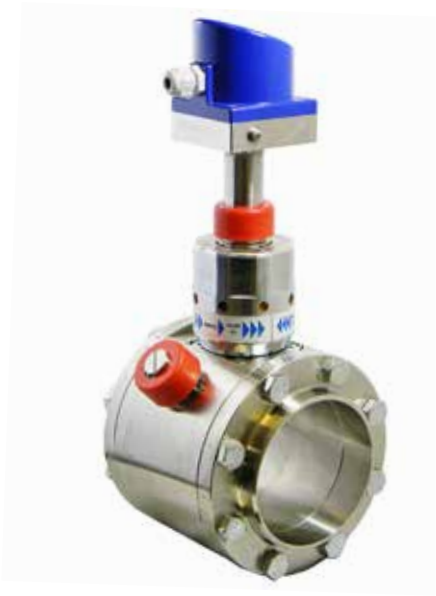
STA-WS

Article-No. 41537-1143-XXX



PRODUCTFINDER

Your industrial sector?

General industrial applications,
directly behind the compressor

What is to be measured?

Consumption Volume flow
24/7 sensor exchange possible

MEASURING POINT INTERFACE

Measuring Station

Material: Stainless steel
Nominal Pressure: PN 16
Pipe connection:
Welding neck flange
opt. threaded flange

X

SENSOR UNIT WITH APPLICATOR

WA312e

Sensor: s-flow
Measuring range 40 bis 280 m/s
Temp. -10 to 120 °C
Material sensor probe: stainless steel
Material applicator: stainless steel

X

YOUR BENEFIT CHARACTERISTICS

+ Simple determination of the compressed air consumption in the main pipe directly behind the compressor
+ Precise measurement with compensation by the integrated temperature and pressure measurement
+ High-End sensor in stainless steel mechanics
+ High accuracy due to calibration of the sensor with the exact inner diameter of the measuring station
+ 24/7 quick exchange of the sensor with our patented retracting valve without disconnection of the pipe
+ Suitable for two more sensors in parallel operation (e.g. flow and pressure or humidity)

MEDIUM

compressed air	Nitrogen	CO_2	Oxygen	Helium	Argon
X					

NOMINAL WIDTHS

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	> DN 200
				X	X	X	X	X	X	X	X	X

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TECHNICAL DATE

Measuring Point Interface
Stainless steel measuring station with PB+CO®lock-blind plug
Sensor with applicator
Sensor s-flow with differential pressure method, compensated by pressure and temperature measurement
Factory calibration and certificate (5-point), ISO 50001 conform, certificate according to ISO/IEC 17025
Measuring Range: 40 to 280 m/s, volume flow depending on norminal widths (see norminal widths datasheet)
Pressure resistance: 16 bar
Connection: GND, 24 VDC, 24 VDC, 24 VDC
Input delay: 0,5 sec.
Supply voltage: DC 24 V (18 - 26 VDC), current consumption: 22-55 mA
Temperature output: -50 (4mA)....250 (20mA) °C
Absolute pressure output: 0,5 (0V)....10 (140VDC) bar abs
Media: Air, Gases (none explosive, none corrosive)
Media temperature: -80 to 250 °C
Ambient temperature: -40 to 120 °C
Material
Stainless steel (measuring station, sensor probe with casing, retracting valve, flanges and blind plug)

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