



**WAFS - 103 Differential
Pressure Pitot Tube Flow Meter**

Compressed Air Energy Saving Solutions

Smart Measurement Technology That You Can Trust



For More Info
SCAN HERE

About Us

At WiseAir Technologies, our mission is to empower industries with innovative and advanced measurement solutions for compressed air and gases. With over 20 years of expertise in the field of compressed air management, we have developed smart, reliable, and state-of-the-art products that are both accurate and easy to use. Our focus is on incorporating cutting-edge technologies like M2M communication and the Industrial Internet of Things (IIoT) to bring increased automation, improved communication, and self-monitoring to industrial processes.

Our WA range of smart IIoT sensors can be easily integrated into existing manufacturing and energy management software to enhance data collection, exchange, and analysis for improved productivity and efficiency.

Our Network

Our Smart Sensors are Developed with Design and Technology Support from Our Partners Across North America, Europe and Asia. With Our Strong Network of Partners, we offer Seamless and Best-in-Class Service to Our Customers.



Artificial Intelligence and Machine Learning Software

Our software are programmed to analysis and self Diagnose the Measured Datas



Smart IIoT Sensors

For measurement of Flow, Power, Dew Point and Pressure



Product Experts

Product Specialists with Decades of Experience in Compressed Air Measurement and Management

Simplify Your Compressed Air Management With Our Smart Technology

Compressed Air Systems are Dynamic and Highly In-Efficient. Hence they Require Continuous Monitoring for Sustained Benefits. With Our WiseAir 4.0 Smart Sensors and M2M / AI Softwares Your Compressed Air System is Measured, Analysed and Improved Over Time.

With Our Seamless and Detailed Analytical Reports You Can Keep Track Of Your Compressed Air Systems Efficiency with Minimal Human Intervention.

Our Services

We Offer Free Assessment Services to Identify the HotSpots For Improvements and Develop Road Maps for Sustainable Results. Our Product Specialists Can Also Offer You Customised Plans for Monitoring the Key Performance Factors Of Your Compressed Air System.

Connect with Our Expert Product Specialists to Learn How Your Factory Can Begin to Realize Energy and Cost Savings with Our Advanced Solutions.

Call Us

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Europe : **+45 36 99 04 22**

Email Us

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Understand The True Costs Of Compressed Air

In a Compressor's Life Cycle More than 80 % of its Operating Costs is Spent Towards its Energy. Hence Monitoring and Managing Compressors at their Peak Energy Efficiency will give Significant Energy Savings.

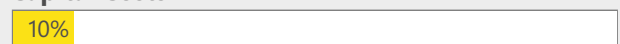
Our Smart Sensors Can Provide Vital Informations Like Flow, Power, Dew Point and Pressure. When Our Sensors are Networked with Our AI Software Programs, All the Measured Datas are Analysed and Reported To You With Suggested Action Plans in Real Time.

Manage Your Compressed Air System Efficiently and Effortlessly With Our WiseAir Smart Sensors and AI Softwares.

Energy Costs



Capital Costs



Maintenance Costs





Specially Designed with Patented Anti Condensation Technology

Key Features :

- Suitable for Wet Compressed Air
- Insertion Type With Anti Ejection Design
- Ideal for Compressor FAD Measurement
- Standard Options Include Built in Temperature and Pressure Sensors
- Integrated Display With Touch Functions and Optional Data Logging
- Bluetooth Interface For Easy Configuration
- Supports WiseAir 4.0 Bluetooth Mobile Application (Android Version)

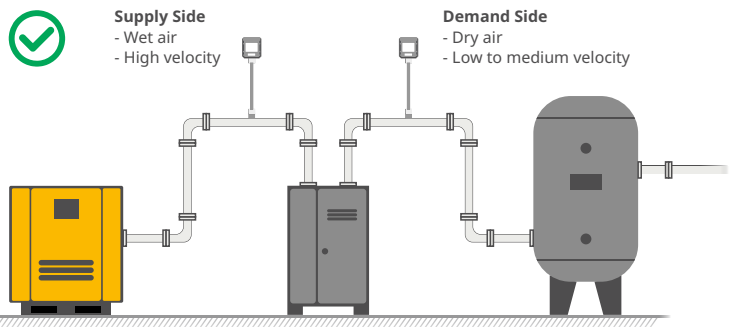


Colour graphic display for online values and sensor setting

Technical Data

Measuring Range	
Flow	5 ... 300 Nm/s.
Pressure	0 to 16 Bar
Temperature	-40° C to +200° C / -40° C to +392° C
Ambient Temperature	-20° C to + 60° C
Process Medium	Air, Argon, Carbon Dioxide, Helium, Hydrogen, Natural Gas, Nitrogen, Nitrous Oxide, Oxygen
Applications	Wet and Dry Air High Velocities
Accuracy	
Accuracy	Flow: ±(1% reading + 0.3% full scale) Pressure : ±0.5% Full Scale Temperature : 0.5° C
Outputs	
Signals	Analog (4..20mA (4Wire, Isolated) / Pulse Output Digital : RS485 Modbus / RTU
Parameters	Flow, Consumption, Pressure, Temperature and Velocity
Power Supply	
Input	18 to 30V / 6.5W@24V
Anti Condensate	18 to 30V/ 24W@24V
Power Up EMC	According to IEC 61326-1
Display & Data Logging	
Display	2.8" LCD With Touch Panel
Data Logger	10,000,000 Samples
Other Informations	
Suitable for Pipe Sizes	DN 25 to DN 300
Available Shaft Length	250 mm & 400 mm
Electrical Connection	2 x 5 pin, M12, Female
Process Connection	ISO G1/2" Thread
Calibration Frequency	Every 2 Years

Correct Installation



Flow Range

Pipe Size			Flow Range (Nm ³ /h)		Flow Range (cfm)	
Inches	DN	ID(mm)	Min Flow	Max Flow	Min Flow	Max Flow
1	25	25	8.8	530	5.17	311.9
1 ¼	32	32	14.5	868	8.53	510.81
1 ½	40	40	22.6	1357	13.3	798.59
2	50	50	35.3	2120	20.77	1247.62
2 ½	65	65	59.7	3583	35.13	2108.59
3	80	80	90.5	5428	53.25	3194.37
4	100	100	141.4	8482	86.21	4991.65
5	125	125	220.9	13253	129.99	7799.39
6	150	150	318.1	19085	187.2	11231.52
8	200	200	565.5	33929	332.79	19967.22
10	250	250	883.6	53014	519.99	31198.74
12	300	300	1272.3	76340	748.74	44926.09

Ordering Codes

- **WAFS 103 - A**

Pitot Tube Flow Sensor 0 (5) ...300 Nm/s with 250 mm Shaft With Modbus / Pulse / 4..20mA Output and Bluetooth Compatibility

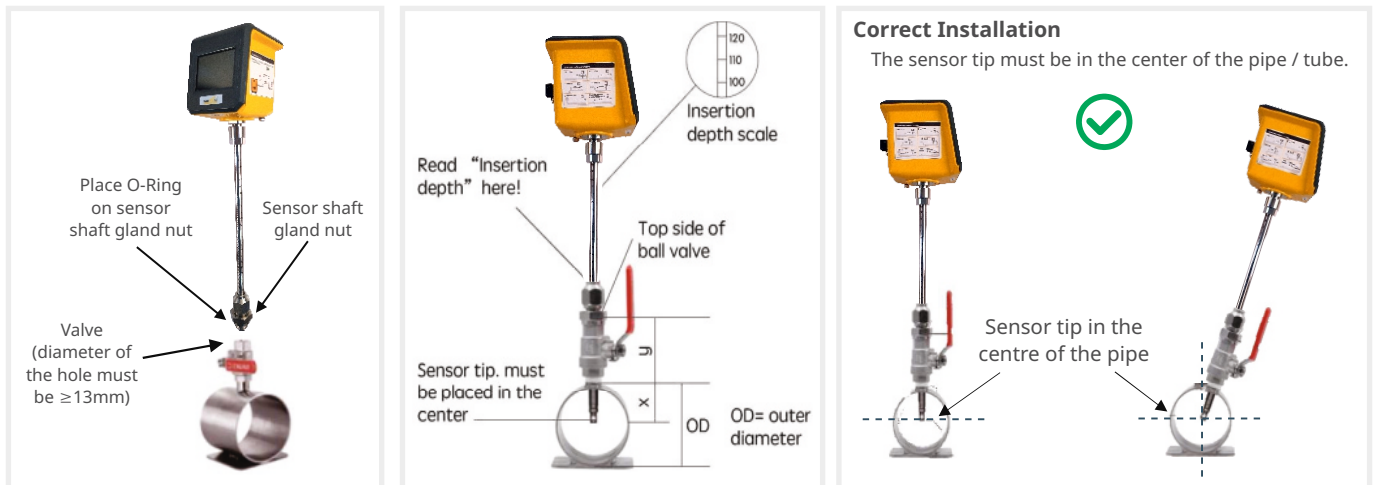
- **WAFS 103 - B**

Pitot Tube Flow Sensor 0 (5) ...300 Nm/s with 400 mm Shaft With Modbus / Pulse / 4..20mA Output and Bluetooth Compatibility

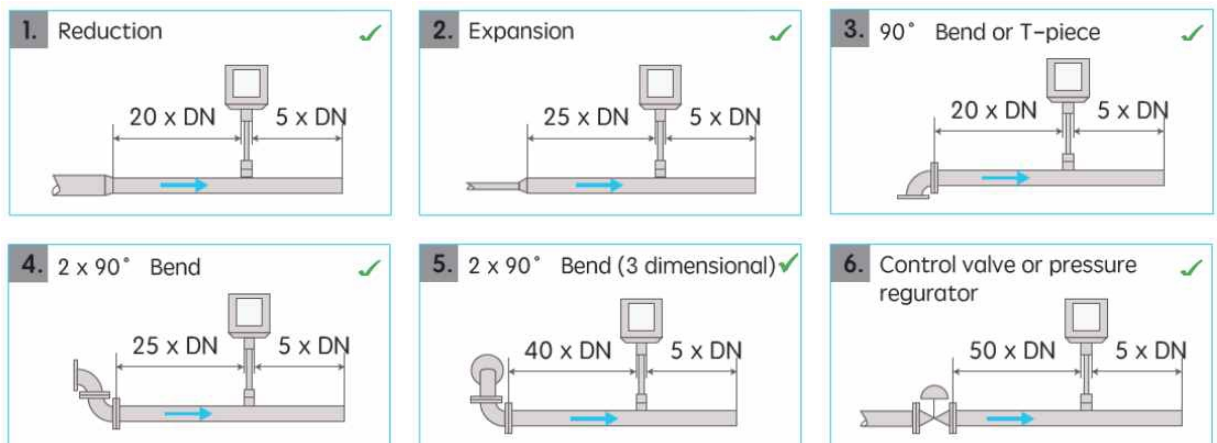
- **WAFS 103 - DB**

Pitot Tube Flow Sensor, Insertion Type 400 MM Shaft with Bi-Directional Flow, 2.5 Inch LCD Display, 0.1...300 Nm/s Measuring Range

Installation Reference



Correct Installation



Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

Our Network



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