

WAL - ELECTRONIC ZERO AIR LOSS DRAIN

WISE AIR 4.0[®]
MEASURE TO MANAGE

2025

**Smart Measurement Solutions
for Compressed Air and Gases**

WISEAIR TECHNOLOGIES INDIA LLP

www.wiseair.in



About Us

Our Vision At WiseAir Technologies is to Offer Our Customers With Innovative and Advanced Measurement Solutions for Compressed Air and Gases at Affordable Costs. With Over 22 Years Experience in The Field of Compressed Air Management, We Have Developed Products that are More Accurate, Smart, Reliable, State-Of-The-Art and Easy to Use. We Aim to Transform The Traditional Manufacturing and Industrial Practices With Our Latest Smart Technologies. Hence We Primarily Focus On Offering Products Which Use Large-Scale Machine To Machine Communication (M2M) and Industrial Internet of Things (IIoT) To Provide Increased Automation, Improved Communication, Self Monitoring To Analyze and Diagnose Issues Without The Need For Human Intervention. Our “WA” Range of Smart IIOT Sensors, Can Be Easily Networked Together With Manufacturing And Energy Management Softwares. This Connectivity Allows For Seamless Data Collection, Exchange and Analysis To Potentially Facilitate Improvements In Productivity And Efficiency Resulting In Huge Economic Benefits.

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 & 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

INTRODUCING THE **WAL – ELECTRONIC ZERO AIR LOSS DRAIN** ZERO AIR LOSS TECHNOLOGY

Intelligent **Drain Mechanism**

Fig. 2 - When Condensate Level is High

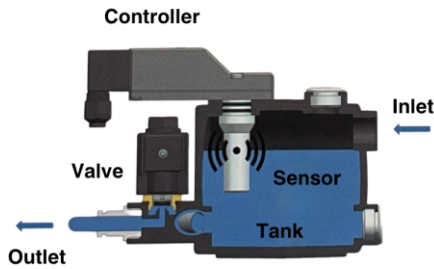
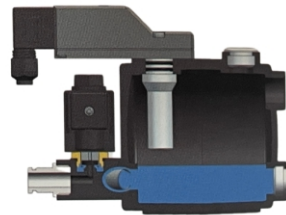


Fig. 2 - When Condensate Level is Low



The WAL Series Smart Zero Air Loss Drain by WiseAir Technologies represents a significant leap forward in the management of condensate water within compressed air systems. Our Smart Drain is a sophisticated, electronically controlled zero air-loss drain designed to maintain the quality of compressed air by timely discharging condensate laden with oil and impurities.

Embracing the innovative CPU control system, the WiseAir Technologies WAL Series Smart Drain ensures effective and efficient condensate discharge aligned with actual demand, thereby eliminating any needless air loss and promoting energy conservation. The WAL Series moves beyond traditional drain design, eschewing complex internal mechanisms for a sleek, modular structure that replaces the old with the new. This eliminates the dependency on external power in idle periods, thereby safeguarding the system and reducing operational costs.

WiseAir Technologies has meticulously assembled this Smart Drain to be devoid of complicated sensors and valves, offering an intuitive and maintenance-friendly experience. Our commitment to quality is evident as the Smart Drain undergoes rigorous validation across a range of conditions to guarantee superior functionality and longevity.

Key **Features**

- ▶ **Smart Control:** CPU-based operation adapts to real-time condensate levels.
- ▶ **Modular Design:** Simplifies maintenance and promotes system longevity.
- ▶ **Energy Efficiency:** Operates without power in standby mode, reducing energy consumption.
- ▶ **Transparency:** Translucent housing for easy monitoring of condensate levels.
- ▶ **Alarm System:** LED display and alarm signals for operational anomalies.
- ▶ **Robust Construction:** Built to prevent clogs and ensure continuous flow.
- ▶ **Customizable Options:** Supports excessive volume and high-pressure applications with optional stainless steel products.
- ▶ **Frost Protection:** Optional heating for reliable operation in cold environments.

Technical Data Sheet

Ordering Code	WAL - H	WAL - I	WAL - J	WAL - K
Applications	Small Water Volume such as Filters and Small Sized Dryer	General Purpose such as Water Separators, Air Receivers, Refrigeration Air	General Purpose such as Chillers, Water Separators, Air Receivers, Refrigeration Dryer	Large Water Volumes
Working Pressure	0-16 Bar	0-16 Bar	0-16 Bar	0-16 Bar
Max Discharge Volume	12 L/H	65 L/H	90 L/H	240 L/H
Recommended Compressor Capacity	10 M ³ /Min	50 M ³ /Min	100 M ³ /Min	200 M ³ /Min
Recommended Dryer Capacity	20 M ³ /Min	100 M ³ /Min	200 M ³ /Min	400 M ³ /Min
Recommended Filter Capacity	100 M ³ /Min	500 M ³ /Min	1000 M ³ /Min	2000 M ³ /Min
Applicable Media	Water, Oil Containing Condensate			
Temp. of Medium	1 to 60°C	1 to 60°C	1 to 60°C	1 to 60°C
Ambient Temperature	Up to 60°C	Up to 60°C	Up to 60°C	Up to 60°C
Inlet	3 x 1/2	3 x 1/2	3 x 1/2	3 x 1/2
Outlet	Dia 8 (G1/4)	Dia 10 (G1/4)	Dia 10 (G1/4)	Dia 12 (G1/4)
Material of Housing	Aluminium	Aluminium	Aluminium	Translucent Composite
Supply Voltage Options	24VAC/DC, 110VAC, 220VAC			
Alarm Functions	Two Kinds of Alarm Contacts of Normal Open (Switch On When Alarm) Normally Closed (Switch Off When Alarm) are available at the same time.			
Load of Alarm Contacts	Max 62.5VA for alternating current, Max 60W for direct current			
Manual Functions	Yes	Yes	Yes	Yes
Protective Class	IP65	IP65	IP65	IP65
Dimensions (L X W X H)	90 X 79 X 124 mm	177 X 110 X 147 mm	207 X 110 X 147 mm	186 X 110 X 238 mm
Net weight	0.6 Kg	2.2 Kg	2.5 Kg	2.8 Kg



For More Info
SCAN HERE



**UNDERSTAND COMPRESSED AIR SYSTEM DYNAMIC
WITH OUR ADVANCED MEASUREMENT SOLUTIONS**

MEASURE – MANAGE – SAVE – SUSTAIN



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