

WAM – MAGNETIC SMART DRAIN

WISE AIR 4.0[®]
MEASURE TO MANAGE

2025

A photograph of an industrial facility, likely a refinery or chemical plant, featuring several tall distillation columns and a complex network of pipes and walkways. The scene is illuminated by a warm, golden light, suggesting a sunset or sunrise. The image is framed by a large, stylized graphic element consisting of overlapping yellow and white shapes.

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 **WAM – MAGNETIC SMART DRAIN** ZERO AIR LOSS TECHNOLOGY

Key Features

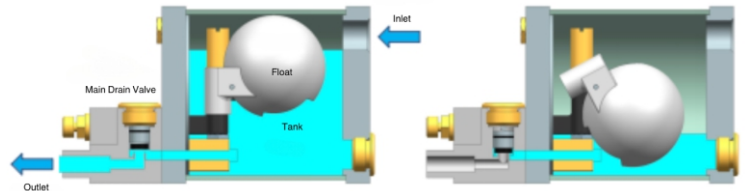
- ▶ **Energy Efficiency:** No external power requirement, ensuring eco- friendly operation.
- ▶ **Outdoor Compatibility:** Rugged design allows for external deployment.
- ▶ **Zero Air-Loss:** Drains only when necessary, conserving valuable compressed air.
- ▶ **Explosion Proof:** Suitable for hazardous environments, enhancing safety.
- ▶ **Manual Testing Option:** Enables user-initiated operation checks.
- ▶ **Strainer Inclusion:** Prevents blockage, maintaining unimpeded flow.
- ▶ **Anti-Freezing Mechanism:** Optional heating bar for operation in cold climates.



Design Excellence

The WAM Series Drain Valves are engineered with a precision float ball system. This float is pneumatically actuated, responding to liquid level changes to activate the pneumatic main drain valve automatically. This allows for real-time, demand-based draining, making the WAM Series suitable for use in high-risk environments where only compressed air drainage is utilized.

Intelligent Drain Mechanism



Versatility and Safety

Designed to cater to a broad spectrum of requirements, the M Series offers solutions for systems with substantial condensate loads, managed by an external air source. This versatility ensures a fit-for-purpose approach for diverse user needs.

Testing and Reliability

Undergoing rigorous validation, the M Series has been subjected to four critical tests:

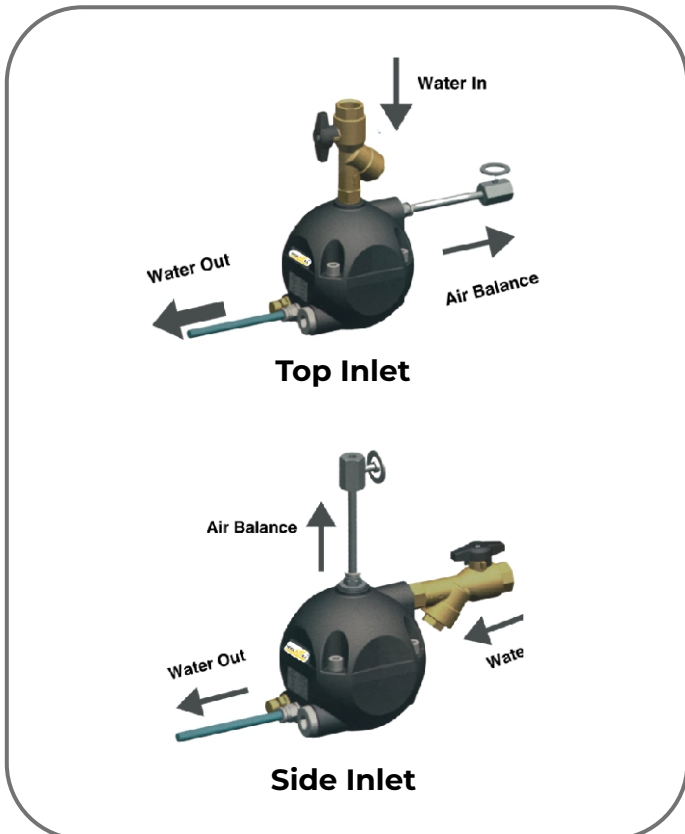
- ▶ **Pressure Test:** Verifies structural integrity under operational pressures.
- ▶ **Flow Test:** Ensures optimal flow rates for efficient condensate drainage.
- ▶ **Impurity Test:** Confirms the valve's capability to handle contaminants within the condensate.
- ▶ **Life-time Test:** Assesses durability, promising longevity and sustained performance.

WAM Series Drain Valves are a testament to sophisticated design and operational excellence. These valves are not just components; they are a comprehensive solution for maintaining the efficacy and quality of compressed air systems, reflecting the unparalleled standards that WiseAir embodies.

Technical Data Sheet

Ordering Code	WAM - 80	WAM - 800	WAM - 1800
Features	Zero Air-Loss, No Power Required		
Application	Filet, Refrigeration Dryer, Air Tank		
Rated Working Pressure	0-1.6 Mpa		
Ultimate Discharge Volume	80 L/H	425 L/h	850 L/h
Medium Temperature Range	1-60°C		
Ambient Temperature Range	1-60°C (Heating bar Optional for sub-zero temperatures)		
Inlet	3 x G1/2"	2 x G1/2"	2 x G1/2"
Outlet	Ø8 (G1/4")	Ø10 (G1/4")	Ø10 (G1/4")
Poor of Air Balance Pipe	G1/4"		
Discharge Valve Tyre	Magnetic Valve	Pneumatic Valve	Pneumatic Valve
Front Mesh Strainer	Yes (Outer Set)	Yes (Inner Set)	
Housing Material	Aluminium	Aluminium and Translucent Composite	
Manual Function	Yes		
Protection Class	IP68	-	-
Dimensions (L X W X H)	129 X 110 X 122 mm	200 X 110 X 110 mm	235 X 140 X 140 mm
Net Weight	1.3 Kg	2.5 Kg	4.1 Kg

Installation Guide



Maintenance Procedure





For More Info
SCAN HERE



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

MEASURE – MANAGE – SAVE – SUSTAIN



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