

# COMPRESSED AIR TREATMENT



Quality by choice



**ZERO SERIES**  
NO LOSS AUTOMATIC DRAIN VALVE

# NO LOSS AUTOMATIC DRAIN VALVE ZERO SERIES

## THE EVOLUTION

Zero Loss drain are designed to efficiently discharge condensate generated by every type of compressed air systems like air compressors, dryers, tanks, filters and separators.

The new drain has been developed thanks to more than 20 years of experience in the field to be easily installed in all applications even under the most critical conditions in terms of port size, installation freedom and working conditions.

The extremely robust construction and the reliable operation along with the compliance with the main manufacturing and safety standards make the Zero drain the right choice for the modern market applications related with compressed air.

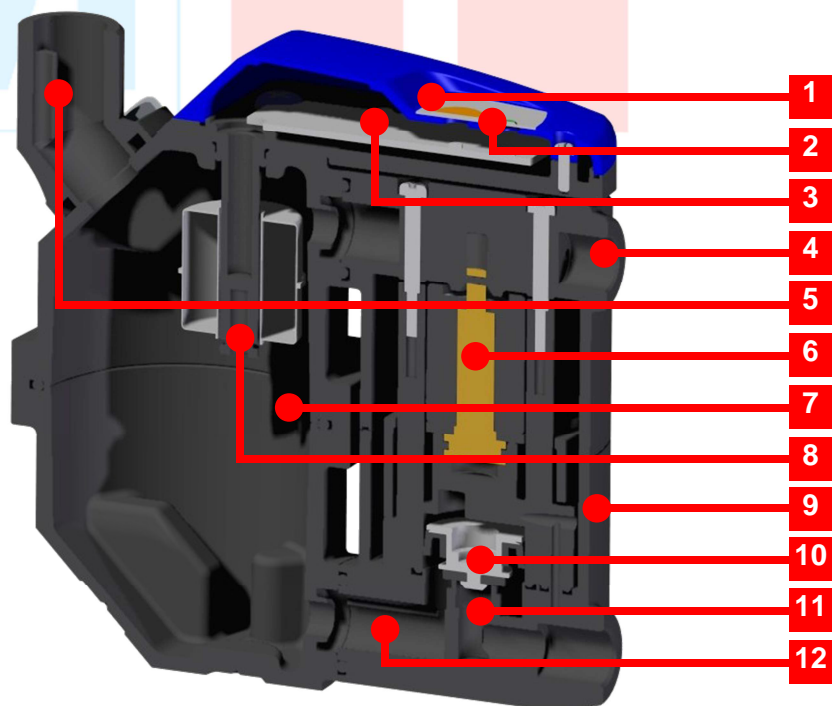
## THE NEXT GENERATION

Zero drain package offers the most innovative solutions in term of flexibility because thanks to a very compact design it is easily installable under every type of tank even when the bottom clearance is closet o zero.

Thanks to the service package, that in a unique module includes all the components subject to tears, loss of production and maintenance costs are reduced to minimum.

## Features and benefits

- 1 Power supply
- 2 Test button
- 3 Potential free contact / Alarm
- 4 N.A. (not applicable)
- 5 Internal vent
- 6 Low power solenoid valve
- 7 Aluminum anodized body
- 8 Level sensor
- 9 Service kit package
- 10 Diaphragm discharge valve
- 11 Large orifice drain port
- 12 Built in mesh filter strainer



## LARGE CAPACITY WITH ENERGY SAVINGS

Zero drain has been developed with a compact design but with an extra large capacity starting with the smaller model Zero4 that is capable to handle large flow of condensate with no loss of compressed air.



## OPERATING PRINCIPLE

During operation condensate flows into the aluminum vessel (1) and when higher level is reached, the electronic sensor (2) gives the contact to the electronic microprocessor (3) to energize the large orifice diaphragm solenoid valve (4) and condensate is discharged until the lower level is reached without any air loss of compressed air.

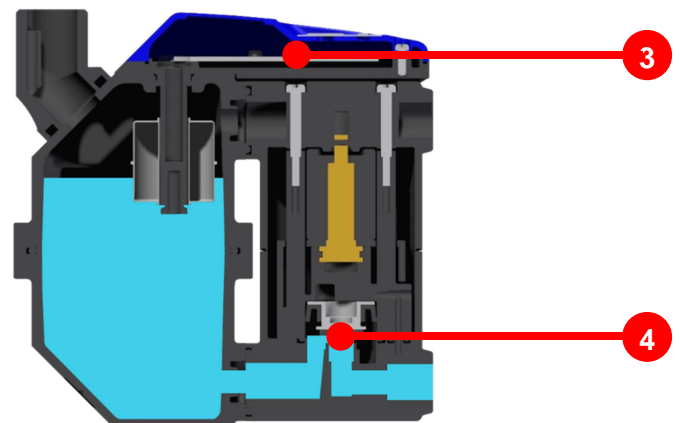
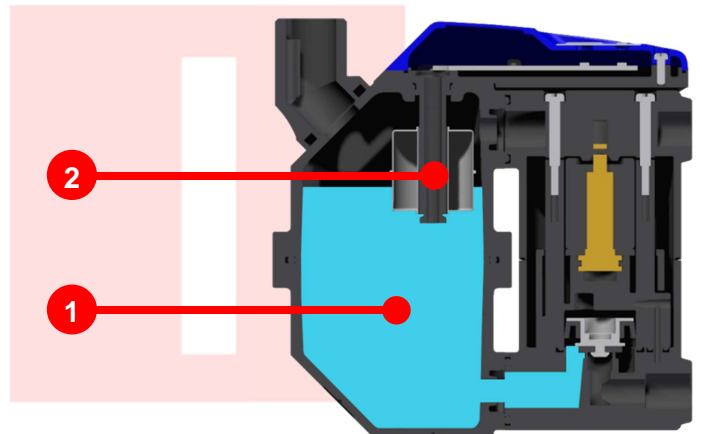
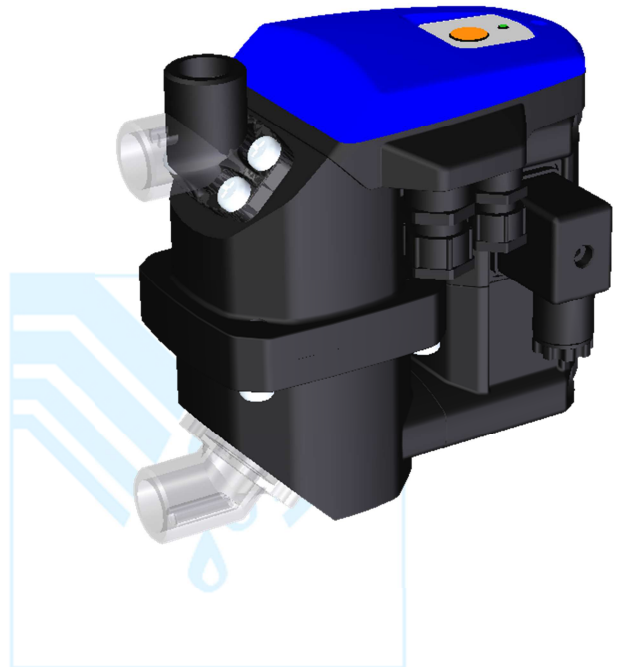
In case of overflow the alarm light is activated and will continue to flash until all condensate has been discharged from the unit.

## ADDITIONAL OPTIONS

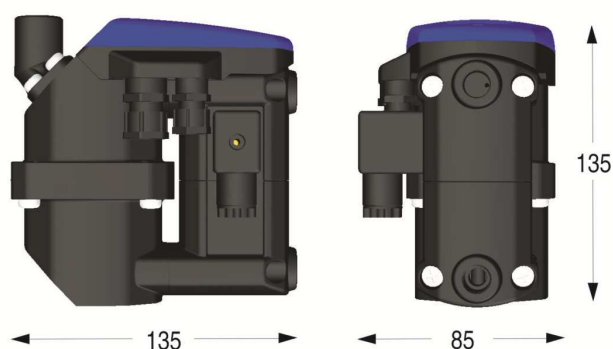
- Heater for below freezing working conditions
- Mounting bracket for floor or wall mounting
- Different power supply (see specifications)

## INSTALLATION CONNECTIONS

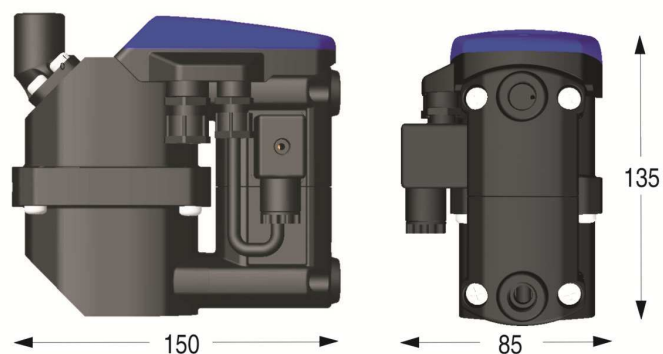
Zero series has a large variety of installation connections options like 90 rotating elbow connector and a upper or lower connection option.



ZERO4 / ZERO8



ZERO12 / ZERO20



## Specification

Model	ZERO4	ZERO8	ZERO12	ZERO20
Compressor capacity (m <sup>3</sup> /h)	400	800	1200	2000
Dryer capacity (m <sup>3</sup> /h)	800	1600	2400	4000
Filter capacity (m <sup>3</sup> /h)	4000	8000	12000	20000
Max. operating pressure (bar)	0.8-16	0.8-16	0.8-16	0.8-16
Max. operating temperature (°C)	1-60	1-60	1-60	1-60
Inlet connection	1/2"	1/2"	1/2"	1/2"
Outlet connection	1/4"	1/4"	1/4"	1/4"
Power supply (V/Ph/Hz)	230/1/50	230/1/50	230/1/50	230/1/50
Weight (Kg)	0,80	0,80	0,95	0,95

This catalogue replaces all previous ones.  
 OMI reserves the right to change the mentioned data without prior notice.