

# SMART-GUARD

**Electronic level sensed condensate drain with alarm function**

## PRODUCT FEATURES

The SMART-GUARD zero air loss condensate drain provides effective and efficient condensate removal while saving you time and money.

With innovative features like a remote alarm contact, a test button, LED indicator lights and an optional heater for cold weather applications, the SMART-GUARD is the optimum choice for reliable, energy saving condensate removal.

A robust capacitive level sensor operates a 2/2-way direct acting valve to discharge condensate without losing any valuable compressed air. An integrated mesh strainer protects the valve from blockage and alarm contacts provide remote, real time indication of drain function.

For quick and easy installation and maintenance, all models include a six foot power cord and feature a removable electronic module and top cover, allowing you to disassemble the drain without disconnecting any pipe work.

The SMART-GUARD meets the demand of virtually any application, covering all compressed air systems up to 3500 CFM.

The 115VAC version of this drain is supplied with a 6 ft. power cord with plug and the 230VAC version is supplied with a 7 ft. power cord.

## COMMERCIAL BENEFITS

- Competitive compact zero air-loss draining solution
- Capacitive level sensing technology saves air, energy and money
- Rapid pay-back period due to competitive pricing level and reduced stocking costs
- 1 Model covers up to 3500 CFM compressor capacity
- No sizing charts required
- Consult factory for D-LUX models
- Consult JORC for private labelling options

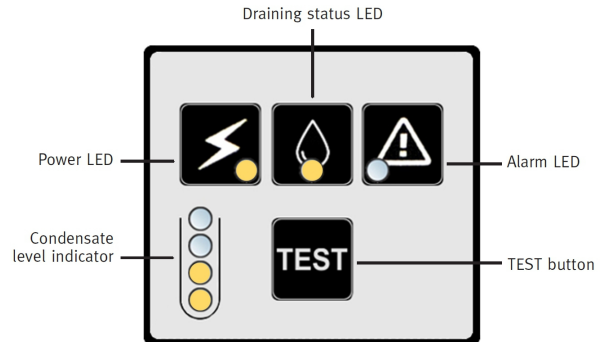
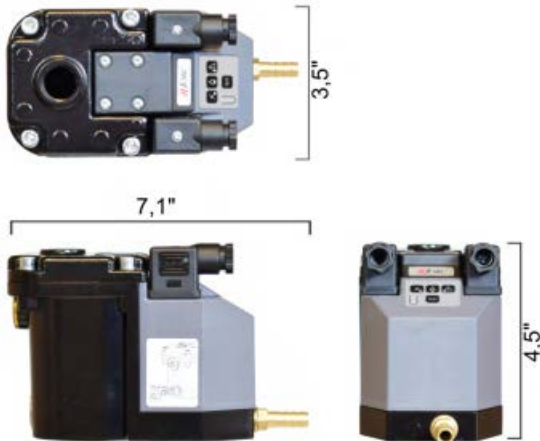
## TECHNICAL ADVANTAGES

- Alarm function (N/O or N/C) standard incorporated
- Successful draining of all types of condensate due to large orifice
- Easy installation and visual display of operating status
- Integrated strainer
- Direct acting valve assembly, ensuring reliable discharge operation
- Robust industrial housing
- Easy and quick to service

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## DIMENSIONS



## SPECIFICATIONS

|   |  |
|---|--|
| Max. compressor capacity                                      | 3500 CFM                                 |
| Max. drainage capacity U <sub>3</sub> /U <sub>4</sub> version | 174 gallons of condensate p/h at 230 PSI |
| Pressure range  | 0 - 230 PSI                              |
| Min./Max. medium temperature                                  | 34 °F - 122 °F                           |
| Environmental protection                                      | NEMA <sub>4</sub> /IP <sub>65</sub>      |
| Supply voltage options  | 230VAC / 115VAC / 24VAC / 24VDC          |
| Connector type (power and alarm)                              | DIN 43650-B                              |
| Inlet connections   | 1/2" NPT, 3 inlet options                |
| Inlet height  | 4,5" (top) and 2,9" & 0,6" (side)        |
| Outlet connection   | 1/4" BSP                                 |
| Valve type  | 2/2 way, direct acting                   |
| Valve orifice   | 4 mm                                     |
| Valve seals   | FPM                                      |
| Serviceable valve   | Yes                                      |
| Integrated mesh strainer                                      | Yes                                      |
| Housing material  | Corrosion resistant aluminum, EP coating |
| TEST feature  | Yes                                      |
| Alarm contact options version U <sub>3</sub>                  | Alarm Normally Open (N/O)                |
| Alarm contact options version U <sub>4</sub>                  | Alarm Normally Closed (N/C)              |



Integrated mesh strainer; protects the valve against large contaminants



Three inlets offering installation flexibility

**JORC is NEN - EN - ISO 9001:2015 certified**

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