

# SMART-GUARD-MINI-AL

Electronic zero air loss condensate drain with alarm

## PRODUCT FEATURES

The SMART-GUARD-MINI-AL is an electronic zero air loss drain with an alarm feature (potential free relay), suitable for applications up to 350 CFM (compressor capacity). The alarm contact options are: U1 (Normally open contact) or U2 (Normally closed contact).

This exceptionally versatile and compact drain is available in multiple voltage options, offering a pressure range from 0 to 230 psi and only weighs 1 lbs.

With features such as a test button, LED indication and automatic blockage detection, this energy saving electronic drain is the optimum choice for reliable, condensate removal when space is limited (overall height only 2,9").

To simplify the installation in restrictive height conditions, the side inlet adapter is a useful tool.

The SMART-GUARD-MINI's incredible compact size is a real benefit in applications such as refrigerated dryers and filters.

## COMMERCIAL BENEFITS

- Extremely compact and lightweight unit
- True zero air loss solution
- One model covers all compressor capacities up to 350 CFM
- No sizing chart required, offering stocking advantages
- The serviceable valve offers maintenance opportunities
- Consult JORC for private labelling options

## TECHNICAL ADVANTAGES

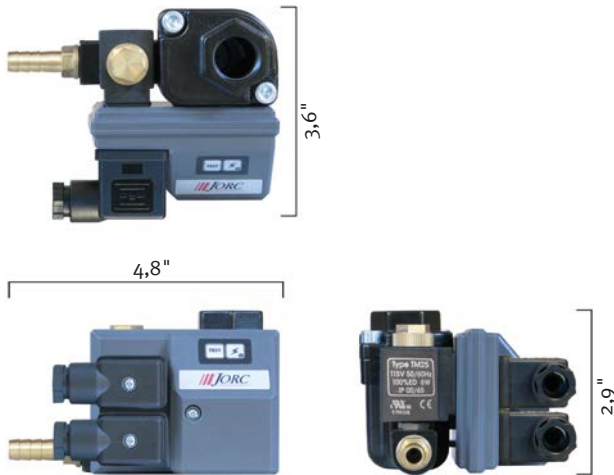
- Visual alarm (LED) indication
- Alarm feature (potential free relay)
- Zero air loss during the condensate discharge
- Easy to install due to its low inlet height
- External valve position allows for fast and easy maintenance
- Direct acting valve with FPM seal
- Robust corrosion resistant aluminium housing
- A large integrated mesh strainer
- Optional side inlet adapter available



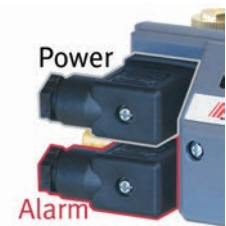
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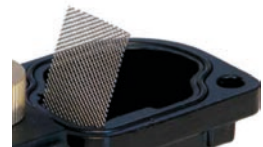
## DIMENSIONS



Incredibly compact



Alarm feature (potential free relay)



Large integrated mesh filter

## TECHNICAL SPECIFICATIONS

Max. compressor capacity	350 CFM
Max. drainage capacity	12 gallons condensate per hour at 230 psi
Min./max. system pressure	0 - 230 psi
Min./max. medium temperature	34 - 122 °F
Min./max. ambient temperature	34 - 122 °F
Supply voltage options	230VAC / 115VAC / 24VAC / 24VDC
Environmental protection	NEMA4 (IP65)
Connector type (power & alarm)	DIN 43650-B
Inlet connection	1/2" (BSP or NPT)
Inlet height	2,9"
Side inlet adapter	Yes, optional
Outlet connection	1/4" BSP, with brass hose barb adapter
Valve type	2/2 way, direct acting
Valve orifice	2 mm
Valve seals	FPM
Serviceable valve	Yes
Integrated mesh strainer	Yes
Housing material	Corrosion resistant aluminium, EP coating
TEST feature	Yes
Visual alarm	Yes, LED indication
Alarm feature type U1/U2	Alarm output contact (potential free relay) U1 (N/O) = Normally Open contact, closed when in alarm phase. U2 (N/C) = Normally Closed contact, open when in alarm phase.



JORC's direct acting valve assembly, offering you reliability



Side inlet adapter available

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

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