

SMART-GUARD-HP

Electronic zero air loss drain up for high pressure applications

PRODUCT FEATURES

The SMART-GUARD-HP (up to 725 psi) removes all types of condensate from compressed air systems up to 3500 CFM without the loss of compressed air.

The SMART-GUARD-HP is a compact electronic zero air loss condensate drain for applications up to 725 psi.

The SMART-GUARD-HP is effective and offers a rapid pay-back period due to a competitive pricing level, low stocking cost, zero air-loss and energy saving aspects.

The SMART-GUARD-HP can be installed in all compressed air system components up to 3500 CFM regardless size and climate zone – only 1 model needed!

The robust industrial housing, the alarm feature and the 2/2 way direct acting valve assembly make the SMART-GUARD-HP a reliable solution for all compressed air system applications.

The SMART-GUARD-HP offers an integrated mesh strainer (to prevent large particles from entering the valve orifice), is easy to disassemble and is service friendly.



COMMERCIAL BENEFITS

- Competitive compact zero air loss draining solution
- Zero air loss 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 JORC for private labelling options

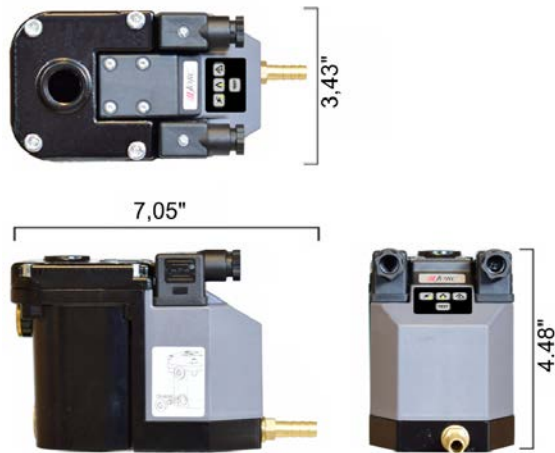
TECHNICAL ADVANTAGES

- Alarm function (N/O or N/C) standard incorporated
- Successful draining of condensate due to large orifice (also heavily emulsified condensate)
- Easy installation and visual display of operating status
- Integrated mesh strainer
- Direct acting valve assembly, ensuring reliable discharge operation
- Robust corrosion resistant aluminium housing

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DIMENSIONS



Three stage compressor applications can be fitted with the all-in-one solution, covering the various pressure ranges - mounted on one bracket

TECHNICAL SPECIFICATIONS

Maximum compressor capacity	3500 CFM
Max. drainage capacity	31 gallons per hour at 725 psi (50 bar)
Pressure range	0 - 725 psi (0 - 50 bar)
Valve type	2/2 way, direct acting
Valve orifice	1.8 mm
Valve seals	FPM
Inlet connections	1/2" NPT or BSP, 3 inlet options
Inlet height	4.5" (top) and 2.9" & 0.6" (side)
Outlet connection	1/4" BSP
Medium temperature	34 - 122 °F (1 - 50 °C)
Ambient temperature	34 - 122 °F (1 - 50 °C)
Supply voltage options	230VAC / 115VAC / 24VAC / 24VDC
Power and alarm connectors	DIN 43650-B
Serviceable valve	Yes
TEST feature	Yes
Environmental protection	NEMA4 (IP65)
Integrated mesh strainer	Yes
Housing material	Corrosion resistant aluminium
Alarm feature type	Contact output switch (voltage free) available in two versions: A1 and A2*



Multiple inlet options



Integrated mesh strainer protects the valve against large contaminants

*A1 = Normally open contacts, closed when in alarm phase. LED on the drain is OFF when in operation and ON when in alarm mode.
 A2 = Normally closed contacts, open when in alarm phase. LED on the drain is ON when in operation and OFF when in alarm mode.

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JORC Industrial LLC
 1146 River Road
 New Castle, DE 19720
 USA

Tel +1 302-395-0310
 Fax +1 302-395-0312
 E-mail info@jorc.com
 http:// www.jorc.com

