

SAFETY AND PROPER USAGE

To ensure safe and enduring performance of this product, you must comply strictly with the instructions enclosed herein. Non-compliance with instructions or improper handling of the product will void your warranty! Usage of this product in conditions not specified in this manual or in contrary to the instructions hereby provided is considered IMPROPER. The manufacturer will not be held liable for any damages resulting from improper use of the product.

SAFETY & WARNING INSTRUCTIONS

- Observe valid and generally accepted safety rules when planning, installing and using this product.
- Take proper measures to prevent unintentional operation of the product or damage to it.
- Do not attempt to disassemble this product or lines in the system while they are under pressure.
- Always depressurize the compressed air system before working on the system.
It is important that personnel use safe working practices and observe all regulations and legal requirements for safety when operating this product. When handling, operating or carrying out maintenance on this product, personnel must employ safe engineering practices and observe all local health & safety requirements & regulations. International users refer to regulations that prevail within the country of installation. Most accidents, which occur during the operation and maintenance of machinery, are the result of failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a situation that is potentially dangerous. Improper operation or maintenance of this product could be dangerous and result in an accident causing injury or death. The manufacturer cannot anticipate every possible circumstance, which may represent a potential hazard. The WARNINGS in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer he must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

NEVER CHANGE ORIGINAL COMPONENTS WITH ALTERNATIVES

⚠ WARNING This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov



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A1/A2

INSTALLATION INSTRUCTIONS

Before installing this product, make sure it complies with your request and that it suits your application!

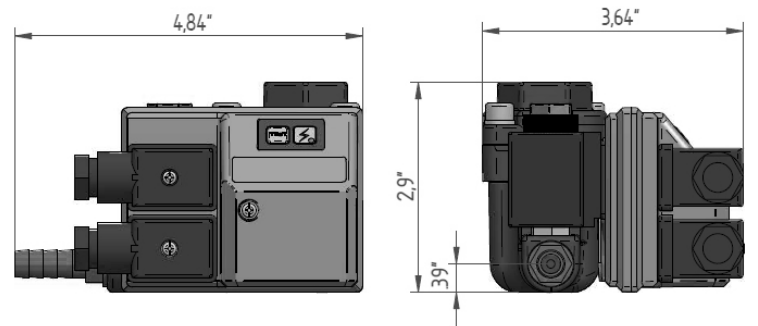
- 1.1 Unpack the unit and visually inspect for any transport damage incurred after leaving our factory.
 - 1.2 Depressurise the system before installation or maintenance is carried out!
 - 1.3 Locate a suitable condensate draining point in your compressed air system and connect your drain as illustrated. - Use a 1 3/16 wrench to install the drain properly. - The use of a ball valve is advisable.
 - 1.4 Connect the outlet to an oil/water separator.
 - 1.5 Unscrew the connector screw and remove the connector.
 - 1.6 Connect your power supply cable to the connector as illustrated. - Make sure all gaskets are placed properly to ensure NEMA4 (IP65) protection. If your drain is pre-wired, go to step 1.8.
 - 1.7 Replace the connector and tighten the connector screw (max. torque 1 Nm). - Make sure all gaskets are placed properly to ensure NEMA4 (IP65) protection.
 - 1.8 Slowly open the ball valve to restore normal system pressure. - The drain is now under pressure.
 - 1.9 Turn on the power supply. Press and hold down the TEST button to check the valve function. - A purging sound must be heard.
 - 1.10 Your drain is ready for operation!
- Note: We advise to check this product at least once a year and replace serviceable parts when necessary.
Note: Clean the strainer periodically to avoid possible blocking causes by rust and/or debris.
Note: Check the valve function periodically. A purging sound must be heard.

➡ SEE OTHER SIDE FOR ALARM INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATIONS

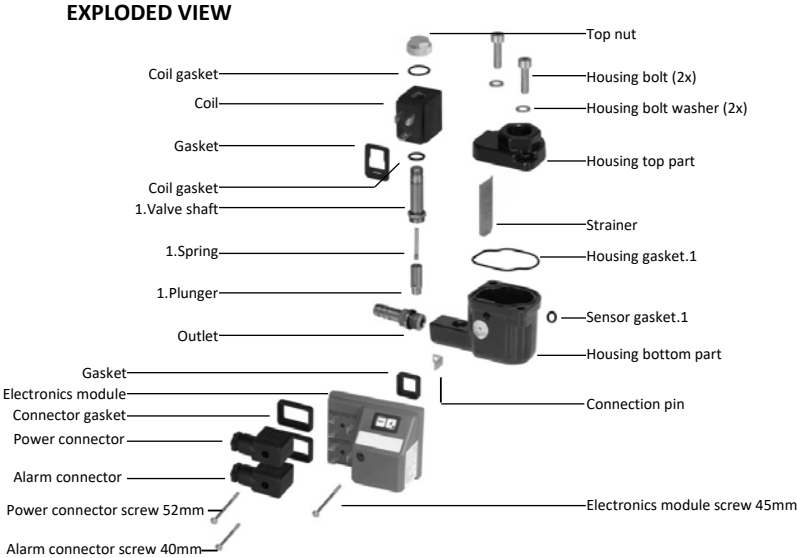
Maximum filter capacity	350 CFM	
Voltage	See side of unit	
Maximum drainage capacity	12 gallons per hour at 230 psi (16 bar) 47 litres per hour at 230 psi (16 bar)	
Pressure range	0 – 16 bar	0 – 230 psi
Medium temperature	1 – 50 °C	34 – 122 °F
Ambient temperature	1 – 50 °C	34 – 122 °F
Valve type	2/2 way, direct acting	
Valve orifice	2 mm	
Valve seals	FPM	
Inlet connection	1/2" (BSP or NPT)	
Outlet connection	1/4" with hose connector	
Power connector	DIN 43650-B	
Inlet height	2.9"	
Test feature	Yes	
Serviceable valve	Yes	
Integrated mesh strainer	Yes	
Housing material	Corrosion resistant aluminium, EP coating.	
Environmental protection	IP65 (NEMA4)	

DIMENSIONS (inches)



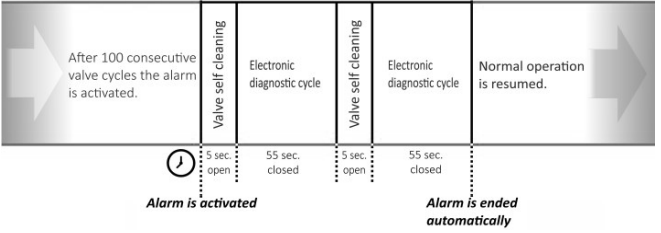
REPLACEMENT PARTS

Description	Part No.
1. Service kit	34001

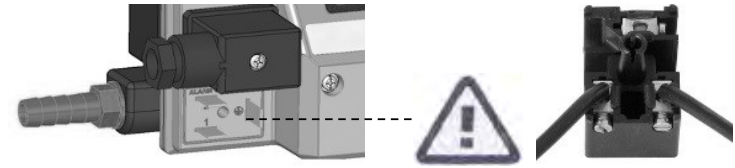


ALARM INSTALLATION INSTRUCTIONS

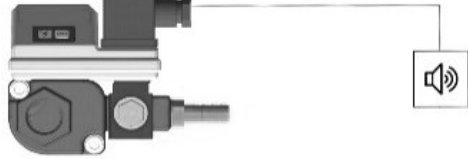
The drain is equipped with an alarm feature. Alarm occurs when the valve has to open too many (>100) consecutive times without a pause. The reason for this may be debris (rust) particles blocking the valve, outlet, strainer or a sensor failure indicating a service necessity. It could also mean that your drain receives more condensate than it can handle. The alarm feature can be connected to an external alarm device with its own power supply. When in alarm mode the LED light on your drain will be flashing continuously.



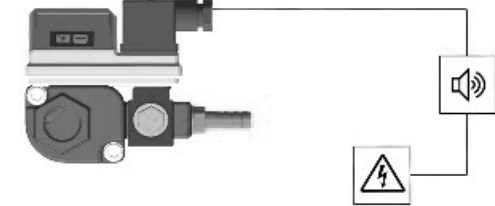
1. Unscrew the bottom alarm connector screw and remove the cap from the bottom alarm connector to connect the alarm cables to the alarm connector as shown below.



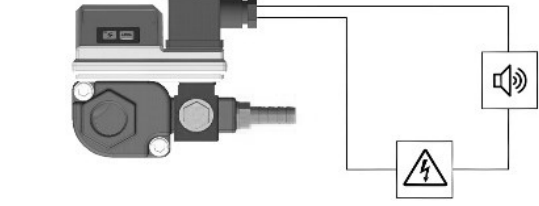
2. Connect the cable to your alarm device, any device of your choice can be applied i.e. a (flashing) light or alarm panel.



3. Connect your alarm device to a power supply. The alarm switch type is a 'contact output switch'. An external power supply is required as the alarm connection point on the drain works like a relay switch only.

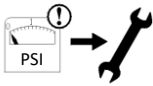


4. Connect the power supply to the drain alarm connector to close the circle. Replace the connector and tighten the connector screw (Max. torque 0,3Nm). Make sure the gasket is secured properly to ensure NEMA4 (IP65) rating.



MAINTENANCE INSTRUCTIONS

These instructions are for cleaning the drain. If your drain requires servicing, i.e. replacement of wearing components, please refer to our dedicated service instructions (supplied with the service kit).



Depressurise the system before installation or maintenance is carried out!

- 2.1 Stop the condensate supply, i.e. close the ball valve which is installed in front of the drain. Press the TEST button to empty the drain of any residual condensate and to depressurise the drain.
- 2.2 Switch off the electrical supply and remove the top power connector by unscrewing the top connector screw. - Make sure the display is off to check if the power supply is successfully disconnected.
- 2.3 Remove the outlet hose. Remove the drain using a 1 3/16 wrench.
- 2.4 Unscrew the electronics module screw. Carefully remove the electronics module. - Make sure not to damage the sensor pin!
- 2.5 Open the housing by unscrewing the two housing bolts using a 3/16 Allen key. Remove the top part from the reservoir.
- 2.6 Take out the strainer and clean it thoroughly.
- 2.7 Unscrew the top nut and remove the coil.
- 2.8 Remove the valve shaft using a 1/2 wrench. Clean all the valve parts and bottom part of the housing.
- 2.9 Replace the valve parts and tighten the valve shaft using a 1/2 wrench (max. torque 7 Nm).
- 2.10 Replace the coil and gaskets. Tighten the top nut. - Make sure all gaskets are properly placed to ensure IP65 protection. Replace the strainer.
- 2.11 Replace the top part of the housing and tighten the two housing bolts using a 3/16 Allen key (max. torque 6 Nm). Replace the electronics module. Make sure you don't damage the sensor pin. - Make sure all gaskets are properly placed to ensure IP65 protection.
- 2.12 Tighten the electronics module screw (max. torque 1 Nm).
- 2.13 Reconnect your drain as illustrated. - Use a 1 3/16 wrench to install the drain properly. Reconnect the outlet.
- 2.14 Replace the connector and tighten the connector screw (max. torque 1 Nm). - Make sure all gaskets are placed properly to ensure IP65 protection.
- 2.15 Slowly open the ball valve to restore normal system pressure. - The drain is now under pressure!
- 2.16 Turn on the power supply. Press and hold down the TEST button to check the valve function. - A purging sound must be heard.
- 2.17 Your drain is ready for operation! Note: Check the valve function periodically. A purging sound must be heard.

