

⚠ WARNING

To avoid unpredictable system behavior that can cause personal injury and property damage:

- Disconnect electrical supply (when necessary) before installation, servicing, or conversion.
- Disconnect air supply and depressurize all air lines connected to this product before installation, servicing, or conversion.
- Operate within the manufacturer's specified pressure, temperature, and other conditions listed in these instructions.
- Medium must be moisture-free if ambient temperature is below freezing.
- Service according to procedures listed in these instructions.
- Installation, service, and conversion of these products must be performed by knowledgeable personnel who understand how pneumatic products are to be applied.
- After installation, servicing, or conversion, air and electrical supplies (when necessary) should be connected and the product tested for proper function and leakage. If audible leakage is present, or the product does not operate properly, do not put into use.
- Warnings and specifications on the product should not be covered by paint, etc. If masking is not possible, contact your local representative for replacement labels.

3. Multiple small valve exhausts may be plumbed into one ECS providing that the maximum pressure rating of the ECS unit will not be exceeded. Use a pressure manifold (rated for the maximum pressure of your air supply) for this purpose.
4. Always use a wrench to tighten the element; tightening by hand could damage the filter element, or cause it to loosen in the end caps. Do not over tighten the ECS. Over tightening can crack the element end cap. **Never operate the ECS with a cracked end cap or loose element. Injury and/or property damage may result!**
5. The temperature of the air entering the ECS filter element must not exceed the maximum temperature rating of the ECS unit. **The ECS must not be used on heat regenerated air dryers!**
6. If coalescing filters are used to filter the inlet air, prior to a regulator and/or lubricator, the service life of the Exhaust Coalescing Silencer will be greatly increased. If sub-micronic filtration is not used, ECS element life will depend on the exhaust flow rate and exhaust air contamination. The ECS should be replaced periodically: for most applications, the differential pressure should not be allowed to exceed 25 PSID.

Introduction

Follow these instructions when installing, operating, or servicing the product.

Application Limits

These products are intended for use in general purpose compressed air systems only.

| Operating Pressure | kPa | PSIG | bar |
|--------------------|-----|------|-----|
| Maximum | 700 | 100 | 7 |

Maximum Temperature: 125°F (51°C)

Installation

1. The ECS should be mounted vertically to take advantage of the oil-catching sump on the bottom of the filter element. Mount in a location that will allow easy access for draining sump.
2. It may be necessary to add a flow control valve to the outlet of the air motor or valve exhaust port if motor or cylinder extension or retraction speeds need to be regulated.

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FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from The Company, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure and review the information concerning the product or systems in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by The Company and its subsidiaries at any time without notice.

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