

HVAC Air / Dirt Separators

Safety notes

Safe installation, operation and maintenance procedures must be established for this equipment based on the procedures of the site and environment in which it operates. These procedures must be in place before installation, operation and maintenance occurs.

Prior to starting any procedure check health and safety requirements with the person responsible for the area and ensure all required precautions, PPE and permissions are in place.

The following list of potential risks is not exhaustive; all those working with the equipment must take the necessary steps and advice to ensure safety:

- Pressurised equipment
- Hazardous fluids
- High temperatures
- Unrestrained piping and equipment
- Handling and lifting

Pre-installation check

Check the system rating does not exceed the rating of the product to be fitted – 10 Barg and 110°C.

The product is flanged PN16.

These products are generally fitted in header piping typically (for heating system) Air Separator – boiler flow lines, Dirt Separator – boiler return lines.

The best location for the product must be determined by the installer given the local conditions and system arrangement.

Installation

Install with the body vertical and the brass automatic air vent valve at the top. Flow in either direction.

Mating flanges should always be parallel with the bolt holes aligned off centre. Check flange alignment before installation. Use a proprietary gasket between flanges.

Air Separators are essentially maintenance free but good access to the automatic vent valve is recommended.

Dirt Separators require maintenance access to the drain valve for the periodic removal of sludge. The installer must ensure the access and collection arrangements are adequate – piping away from the drain valve is also recommended as a safety precaution.

Operation

No special commissioning is required.

There is a plugged air vent on Dirt Separators which may be loosened during first fill to vent the unit.

The AAV on the Air Separators should cater for venting when first filled.



Product by FlexEJ Ltd

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Check the system rating does not exceed the rating of the product to be fitted – 10 Barg and 110°C.

The product is flanged PN16.

These products are generally fitted in header piping typically (for heating system) Air & Dirt Separator – boiler flow lines.

The best location for the product must be determined by the installer given the local conditions and system arrangement.

Installation

Install with the body vertical and the brass automatic air vent valve at the top. Flow in either direction.

Mating flanges should always be parallel with the bolt holes aligned off centre. Check flange alignment before installation. Use a proprietary gasket between flanges.

Air and Dirt Air Separators require maintenance access to the drain valve for the periodic removal of sludge. The installer must ensure the access and collection arrangements are adequate – piping away from the drain valve is recommended as a safety precaution. Good access to the automatic vent valve is also recommended.

Operation

No special commissioning is required.

The AAV on the Air & Dirt Separators should cater for venting when first filled.



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