

HVAC Low Loss Headers / Hydraulic Separators – High Power

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 between the boiler and system.

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. Typically connect primary/secondary flow to the top pair of flanges and primary/secondary return to the lower pair of flanges.

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

Low Loss Headers are essentially maintenance free but good access to the automatic vent valve is recommended.

Access is required 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.

The AAV on the Low Loss Headers should cater for venting when first filled.



Product by FlexEJ Ltd

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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 – 6 Barg and 110°C.

The product system connections are

- DN32-DN50 BSPT male thread
- DN65 flanged PN06

These products are generally fitted in header piping between the boiler and system.

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

Installation

The installer may wish to add an AAV and drain valve to the Low Loss Header before installation. To do this remove the blanking plugs and fit a suitable valve.

A brass thermocouple pocket and clip is provided fitted in a ½" socket.

Install with the body vertical – vent plug or AAV at the top. Typically connect primary/secondary flow to the top pair of flanges and primary/secondary return to the lower pair of flanges.

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

Low Loss Headers are essentially maintenance free but good access to the vent is recommended.

Access is required 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.

Loosen the vent plug to remove air upon first fill. If an AAV has been fitted on the Low Loss Header it should cater for venting when first filled.



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