



Sediment Removal Separator Installation, Operation & Maintenance Instructions

Description:

The Sediment Removal Separator is designed to achieve both air and sediment removal in hydronic systems. The units are designed and manufactured to the ASME Boiler & Pressure Vessel Code Section VIII-Division 1. The separator utilizes the tangential design to create a centrifugal action to remove the sediment from the system.

Service Instructions:

1. There are no moving parts or strainers in the SRS that requires any service.
2. The blow down valve or any equipment associated with it, may require service or periodic inspection. Refer to their maintenance instructions for the required service details.
3. The SRS should be inspected regularly for signs of corrosion. Excessive corrosion will cause the unit to leak or rupture. Failure could cause property damage or even serious personal injury.

Operating Instructions:

1. The SRS separates sediment from the system by utilizing the centrifugal force created by the tangential design of the separator. Heavier than water sediment particles are thrown against the inner walls of the SRS and move down the walls to the sump, collecting in the bottom of the separator.

Important: The SRS is designed only for the removal of undissolved, inorganic, heavier than water sediment or solids that enter the system. The SRS is not designed or intended to be used for removal of dissolved sediment or organic material, such as algae.

2. The sediment collected in the sump must be periodically blown down or removed from the NPT sump connection on the bottom of the SRS. If the sump is allowed to fill up with sediment without periodically being blown down, sediment will start to pass through the SRS and not be removed from the system. Purging of the sump can be accomplished manually by use of the blow down valve (supplied by others) on the bottom sump connection. An automatic valve with a adjustable timer can be used to blow down the system automatically.

