

High Velocity Air Dirt & Standard Air Dirt Installation, Operation and Maintenance

All American Wheatley HVAD and STAD coalescing type air & dirt separators are constructed to ASME Code for unfired pressure vessels, Section VIII, Div. 1. All separators are factory hydrostatically tested, and inspected by an independent ASME inspector prior to shipment. Upon receipt of the separator, the receiver should visually inspect the unit for any damage which may have occurred during shipment. If any such damage is noticed, the unit should be refused or the bill of lading should be marked as "received damaged". American Wheatley or its distributor should be contacted immediately. American Wheatley accepts no damage claims caused during transportation.


INSTALLATION

American Wheatley HVAD and STAD are designed for use in hydronic heating and chilled water applications where removal of air and particulate is essential. The units should be mounted in the piping between the heat or cooling source and before the pumps. The units are not designed to absorb external piping loads at the inlet and outlet nozzles. The piping should be properly supported according to best piping practices prior to and immediately following the unit. Piping to and from the unit shall be full nozzle size, isolation valves should be installed for removal and/or maintenance.

OPERATION

American Wheatley HVAD and STAD coalescing type air & dirt separators are designed to remove air and particulate from hydronic heating and cooling systems. This is accomplished by system flow across and through stainless steel high performance saddle rings included as an integral part of the separation process. As the water flows through and around the coalescing media, air molecules adhere to, and are broken up by the media, which are eventually vented through the high capacity air vent mounted at the top of the unit. Particulate also is separated by the coalescing media and can be purged through the blow down/drain opening in the bottom of the vessel at a predetermined interval.

CAUTION: ENSURE THAT THE VESSEL HAS BEEN PROPERLY VENTED AND DRAINED TO ATMOSPHERE BEFORE ATTEMPTING TO DISASSEMBLE IT IN ANY WAY. FAILURE TO DO SO COULD RESULT IN GREAT BODILY HARM

JOB NAME _____ LOCATION _____ _____ _____ CONTRACTOR _____ CONTRACTOR P.O. NO. _____	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">ITEMS</th> <th style="width: 50%; text-align: center;">QUANTITY</th> </tr> </thead> <tbody> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> </tbody> </table>	ITEMS	QUANTITY	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	 <p style="text-align: center;">A GFP COMPANY</p> <p style="text-align: center;">1005 E. Houston Broken Arrow, OK 74012 Toll Free: 866-204-5229 PH: 918-317-0401 FAX: 918-317-0407 www.wheatleyhvac.com e-mail: sales@globalflowproducts.com</p>
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MAINTENANCE

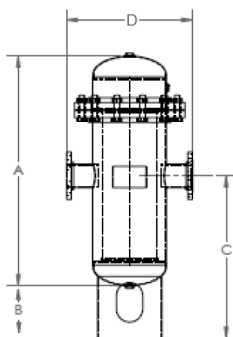
Regular visual inspection should be performed by competent personnel to guard against any leaks, over pressurization, or proper operation of the air vent valve. The unit should be blown down at a predetermined interval to ensure that the coalescing media is clear and able to perform the intended function. This interval is predicated by system conditions. The blow down maintenance should be carried out only by properly trained personnel. If necessary, make up water for additional blow down can be introduced through the skimmer valve opening located on the side of the unit. The unit should be completely isolated from the system during the blow down procedure. Upon completion, the isolations valves should be opened slowly to prevent any shock to the unit or the system piping. Units supplied with a removable cover may be opened by removing the bolts securing the cover in place; the coalescing media may then be viewed to determine necessity of cleaning or replacement.

CAUTION: EXTREME CARE SHOULD BE TAKEN DURING THE BLOW DOWN PROCEDURE. INTERNAL PRESSURES AND TEMPERATURES COULD BE SUFFICIENT TO CAUSE GREAT BODILY HARM. THE BLOW DOWN PROCEDURE SHOULD ONLY BE PERFORMED BY PROPERLY TRAINED PERSONNEL

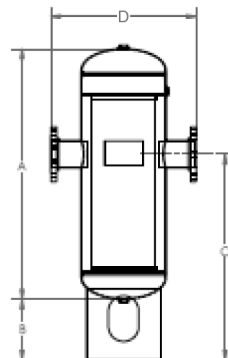
WARRANTY

American Wheatley warrants the product for a period of one year from date of installation, or 18 months from date of shipment due to any manufacturer's defect.

A complete General Conditions and Warranty statement is available for view at www.wheatleyhvac.com



RC - Removable Cover



NR - Non Removable Cover