

SINCE 1908
wessels
 company

SUBMITTAL

WVAA-HV (High Velocity) SERIES

AIR SEPARATOR

Models: WVAA-2HV thru WVAA-12HV

Submittal Sheet No. D-1013B

Date: 10/17

| | | |
|------------------|--------------------|------------|
| Job Name _____ | Submitted By _____ | Date _____ |
| Location _____ | Approved By _____ | Date _____ |
| _____ | Order No. _____ | Date _____ |
| Engineer _____ | Notes _____ | _____ |
| Contractor _____ | _____ | _____ |
| Sales Rep. _____ | _____ | _____ |

Description

Wessels WVAA-HV (High Velocity) series Air Separators are designed to eliminate entrained air associated with start-up and maintenance of any hydronic system. The design incorporates a skim valve for eliminating floating debris, and an air vent to automatically release air from the separator.

Construction

Shell: Carbon Steel
 Coalescing Medium: Stainless Steel
 Blow Down Valve (optional): Brass
 Skim Valve (optional): Brass
 Vent (optional): Cast Iron

Performance Limitations

Maximum Design Temperature: 250°F
 Maximum Design Pressure: 150 PSIG*

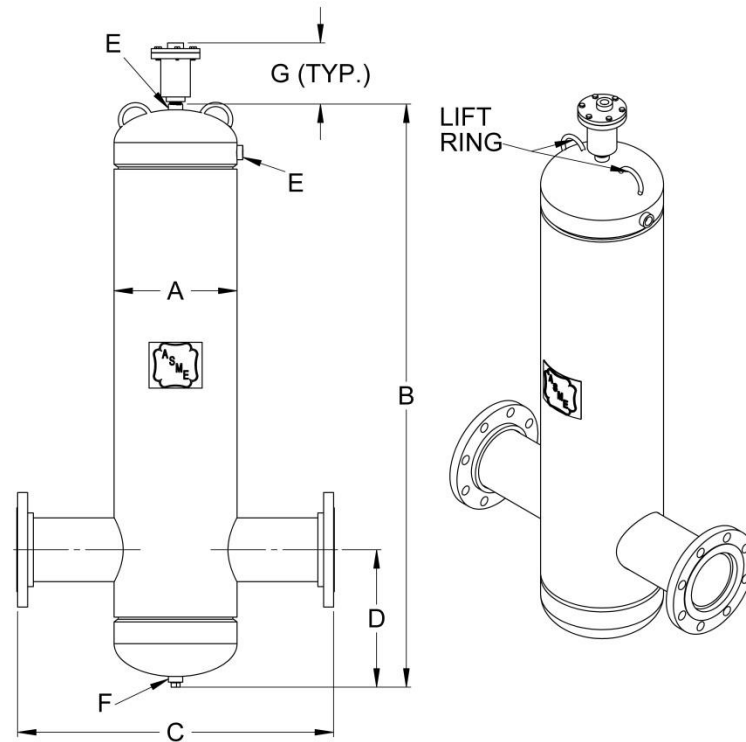
*125, 200 & 250 PSIG available

| Model Number | Part Number | Max Flow (GPM) | Tagging Information | Quantity |
|----------------|-------------|----------------|---------------------|----------|
| WVAA-2HV | 72305002 | 105 | | |
| WVAA-2HV-NPT | 72305014 | 105 | | |
| WVAA-2.5HV | 72305038 | 155 | | |
| WVAA-2.5HV-NPT | 72305050 | 155 | | |
| WVAA-3HV | 72305074 | 225 | | |
| WVAA-3HV-NPT | 72305086 | 225 | | |
| WVAA-4HV | 72305110 | 405 | | |
| WVAA-5HV | 72305146 | 630 | | |
| WVAA-6HV | 72305170 | 910 | | |
| WVAA-8HV | 72305194 | 1610 | | |
| WVAA-10HV | 72305218 | 2450 | | |
| WVAA-12HV | 72305242 | 3500 | | |

Typical Specification

Furnish and install, as shown on plans, a WVAA _____-HV Air Separator as manufactured by Wessels Company. Each separator must be designed with a blow down valve, skim valve, and automatic air vent. The separator must also utilize in its design a stainless steel coalescing medium to aid in the separation of air in the system's entrained water. The separator must be constructed in accordance with the most recent addendum of Section VIII Division 1 of the ASME Boiler and Pressure Vessel Code and shall be constructed and stamped for 150 PSI working pressure @ 250°F.

Each air separator shall be Wessels model number WVAA _____ -HV or approved equal.



WVAA-2HV thru WVAA-12HV

Dimensions & Weights

| Model Number | Dimensions in Inches | | | | | | | | Approx Shipping Wt (lbs) | | | |
|----------------|----------------------|----|-----|--------|--------|-----|---|-------|--------------------------|---|-------|--------|
| | Connection Size | A | B | C | D | E | F | G | | | | |
| WVAA-2HV | 2 | 4 | 23 | 15 1/4 | 6 1/2 | 1/2 | 1 | 8 5/8 | 40 | | | |
| WVAA-2HV-NPT | | | | 10 3/8 | | | | | 31 | | | |
| WVAA-2.5HV | 2.5 | 5 | | 15 3/4 | 68 | | | | | | | |
| WVAA-2.5HV-NPT | | | | 11 | 45 | | | | | | | |
| WVAA-3HV | 3 | 6 | 30 | 20 1/4 | 9 | | | | 1/2 | 1 | 8 5/8 | 82 |
| WVAA-3HV-NPT | | | | 12 3/4 | | | | | | | | 68 |
| WVAA-4HV | 4 | 8 | | 20 5/8 | 122 | | | | | | | |
| WVAA-5HV | 5 | 10 | | 41 | 27 3/4 | | | | | | | 11 1/2 |
| WVAA-6HV | 6 | 12 | 140 | | | | | | | | | |
| WVAA-8HV | 8 | 16 | 49 | | | | | | | | | |
| WVAA-10HV | 10 | 20 | 60 | 37 1/2 | 14 | | | | | | | 407 |
| WVAA-12HV | 12 | 24 | 71 | 42 1/2 | 16 | | | | | | | 612 |

Notes

- Trim package is optional.