

# AA tanks

## SUBMITTAL

**TYPE:** WVA-HV ASME AIR & DIRT SEPARATORS  
**MODELS:** WVA-2HV to WVAA-12HV

Submittal Sheet No. WVAHV-001.2

Date: May, 2012

<b>JOB</b>  Unit Tag No. _____ Engineer _____ Contractor _____	AA tanks Representative _____  Order No _____ Date _____ Submitted By _____ Date _____ Approved By _____ Date _____
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### DESCRIPTION

AA tanks WVA-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, removable end cover for coalescing medium access, and an air vent to automatically release air from the separator.

### CONSTRUCTION

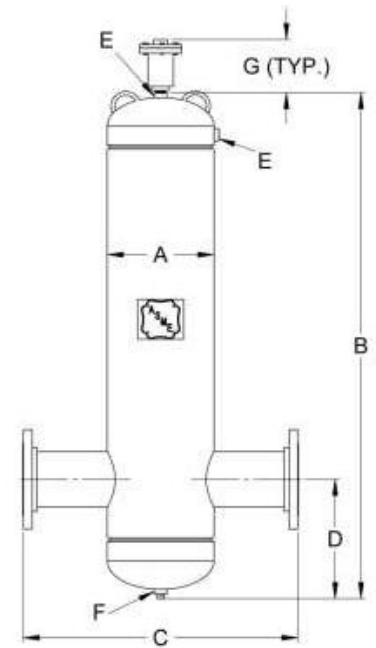
Shell: Carbon Steel  
 Coalescing Medium: Stainless Steel  
 Blow Down Valve (optional): Brass  
 Skim Valve (optional): Brass  
 Vent (optional): Cast Iron

### PERFORMANCE LIMITATIONS

Maximum Design Pressure: 125 PSIG  
 (200 & 250 PSIG available)  
 Maximum Design Temperature: 250°F

### DIMENSIONS & WEIGHTS

Model Number	Max GPM	Conn Size	Dimensions in Inches							Approx. Shipping Weight (lbs)
			A	B	C	D	E	F	G	
WVA-2HV	105	2"	4	23	15 ¼	6 ½	1/2	1/2	8 5/8	40
WVA-2HV NPT	105				10 3/8					31
WVA-2.5HV	155	2 ½"	5	30	15 ¾	9	1/2	1/2	8 5/8	68
WVA-2.5HV NPT	155				11					48
WVA-3HV	225	3"	6	41	20 ¼	11 ½	1/2	1/2	8 5/8	82
WVA-3HV NPT	225				12 ½					68
WVA-4HV	405	4"	8	49	20 5/8	14	1	1	8 5/8	122
WVA-4HV NPT	405				15					108
WVA-5HV	630	5"	10	41	27 ¾	11 ½	1	1	8 5/8	128
WVA-6HV	910	6"	12	49	33 5/8					140
WVA-8HV	1610	8"	16	60	37 ½	16	1	1	8 5/8	245
WVA-10HV	2450	10"	20	71	42 ½					407
WVA-12HV	3500	12"	24	71	42 ½	16	1	1	8 5/8	612



### Notes

- Trim Package is optional.

### Typical Specification

Furnish and install, as shown on plans, a WVA \_\_\_\_\_-HV Air Separator as manufactured by AA tanks 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 and dirt 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 125 PSI working pressure @ 250°F. Each air separator shall be AA tanks model number WVA \_\_\_\_\_-HV or approved equal.