

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*

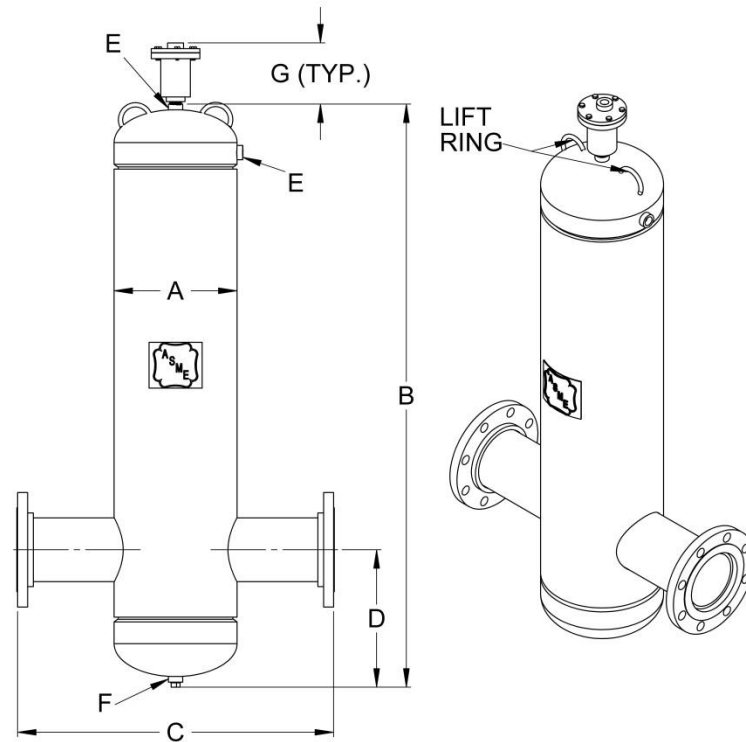
*125, 200 & 250 PSIG available

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 1/2								68			
WVAA-4HV	4	8		20 5/8	122										
WVAA-5HV	5	10	41	27 3/4	11 1/2							1/2	1	8 5/8	128
WVAA-6HV	6	12													140
WVAA-8HV	8	16	49	33 5/8											245
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.