



SINCE 1908
wessels
 company

SUBMITTAL

WVA HIGH VELOCITY-SERIES

AIR & DIRT SEPARATOR

Models: WVA-2-HV thru WVA-12-HV

Submittal Sheet No. D-1007A

Date: 8/16

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

Description

Wessels WVA-HV (High Velocity) series Air & Dirt Separators are designed to eliminate entrained air and separate debris associated with start-up and maintenance of any hydronic systems. The design incorporates a skim valve, used to eliminate 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): Bronze
 Skim Valve (optional): Bronze
 Vent (optional): Cast Iron

Performance Limitations

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

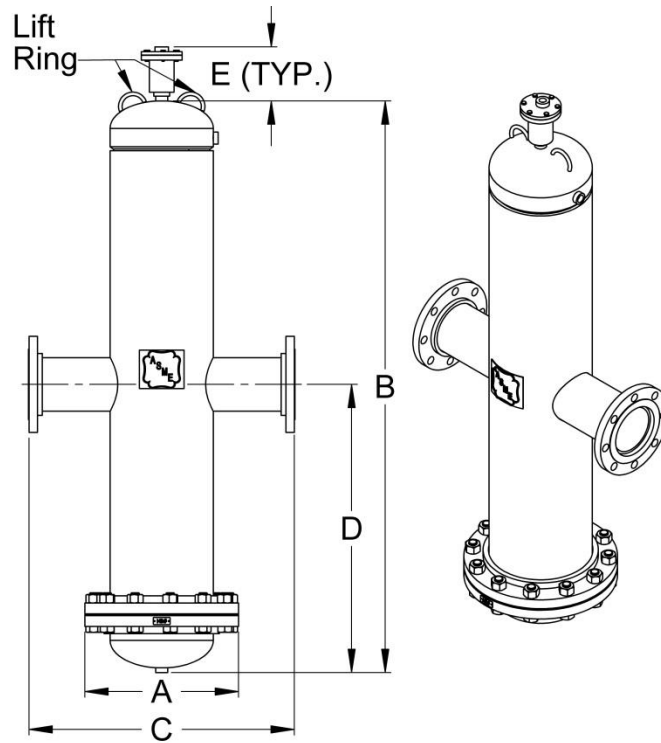
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVA-2HV	72303001	105		
WVA-2HV-NPT	72303012	105		
WVA-2.5HV	72303035	155		
WVA-2.5HV-NPT	72303047	155		
WVA-3HV	72303070	225		
WVA-3HV-NPT	72303081	225		
WVA-4HV	72303104	405		
WVA-5HV	72303138	630		
WVA-6HV	72303161	910		
WVA-8HV	72303184	1610		
WVA-10HV	72303207	2450		
WVA-12HV	72303230	3500		

Typical Specification

Furnish and install, as shown on plans, a WVA- _____ -HV High Velocity Air & Dirt 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 and dirt in the systems entrained water. The separator must be constructed in accordance with 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 WVA- _____ -HV or approved equal.



Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
WVA-2HV	2	9	33	15 1/4	16 1/2	8 5/8	110
WVA-2HV-NPT				9			100
WVA-2.5HV	2.5	10		15 3/4			140
WVA-2.5HV-NPT				10 1/2			125
WVA-3HV	3	11	42	20 1/4	21		175
WVA-3HV-NPT				12 3/4			155
WVA-4HV	4	13 1/2		20 5/8			275
WVA-5HV	5	16	59	27 3/4	29 1/2		475
WVA-6HV	6	19		29 1/2	525		
WVA-8HV	8	23 1/2	75	33 5/8	37 3/4		825
WVA-10HV	10	27 1/2	92	37 1/2	46		1275
WVA-12HV	12	32	110	42 1/2	55		2050

Notes

- Trim package is optional.