

SINCE 1908
wessels
 company

SUBMITTAL

WVA NON-REMOVABLE HIGH VELOCITY-SERIES

AIR & DIRT SEPARATOR

Models: WVAN-2HV thru WVAN-12HV

Submittal Sheet No. D-1009A

Date: 8/16

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

Description

Wessels WVAN-HV (Non-Removeable 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, 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
 Exterior: Primer Painted

Performance Limitations

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

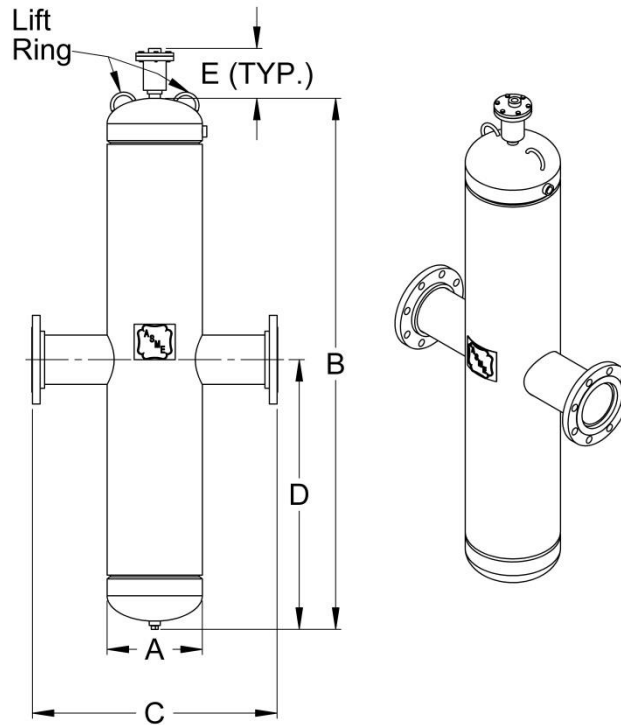
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVAN-2HV	72309001	105		
WVAN-2HV-NPT	72309012	105		
WVAN-2.5HV	72309034	155		
WVAN-2.5HV-NPT	72309045	155		
WVAN-3HV	72309067	225		
WVAN-3HV-NPT	72309078	225		
WVAN-4HV	72309100	405		
WVAN-5HV	72309133	630		
WVAN-6HV	72309155	910		
WVAN-8HV	72309177	1610		
WVAN-10HV	72309199	2450		
WVAN-12HV	72309221	3500		

Typical Specification

Furnish and install, as shown on plans, a WVAN-_____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 WVAN-_____HV or approved equal.



WVAN-2HV thru WVAN-12HV

Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
WVAN-2HV	2	4 1/2	33	15 3/4	16 1/2	8 5/8	100
WVAN-2HV-NPT				9			90
WVAN-2.5HV	2.5	5 1/2		15 3/4			125
WVAN-2.5HV-NPT				10 1/2			115
WVAN-3HV	3	6 1/2	42	20 1/4	21		150
WVAN-3HV-NPT				12 3/4			130
WVAN-4HV	4	8 1/2		20 5/8			250
WVAN-5HV	5	10	59	27 3/4	29 1/2		310
WVAN-6HV	6	12					375
WVAN-8HV	8	16	75	33 5/8	37 1/2		700
WVAN-10HV	10	20	92	37 1/2	46		1000
WVAN-12HV	12	24	110	42 1/2	55		1500

Notes

- Trim package is optional.