

SINCE 1908
wessels
 company

SUBMITTAL

WVA NON-REMOVABLE-SERIES

AIR & DIRT SEPARATOR

Models: WVAN-2 thru WVAN-12

Submittal Sheet No. D-1008A

Date: 8/16

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

Description

Wessels WVAN (Non-Removable) 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*

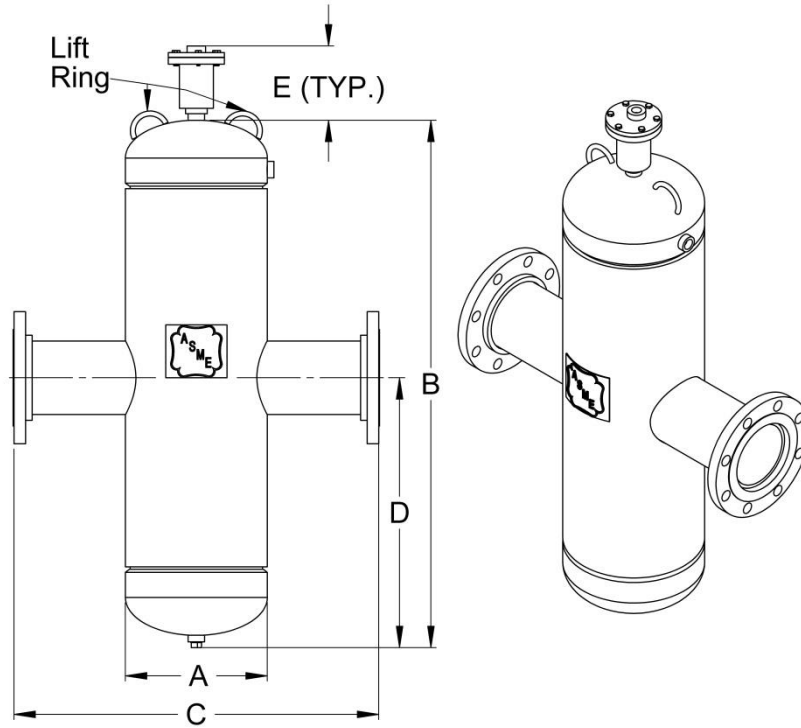
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVAN-2	72308001	69		
WVAN-2-NPT	72308012	69		
WVAN-2.5	72308034	108		
WVAN-2.5-NPT	72308045	108		
WVAN-3	72308067	144		
WVAN-3-NPT	72308078	144		
WVAN-4	72308100	255		
WVAN-5	72308133	398		
WVAN-6	72308155	570		
WVAN-8	72308177	945		
WVAN-10	72308199	1440		
WVAN-12	72308221	2100		

Typical Specification

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



WVAN-2 thru WVAN-12

Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (Lbs)
	Connection Size	A	B	C	D	E	
WVAN-2	2	4 1/2	23	15 1/4	11 1/2	8 5/8	76
WVAN-2-NPT				9			70
WVAN-2.5	2.5	5 1/2		15 3/4			99
WVAN-2.5-NPT			10 1/2	90			
WVAN-3	3	6 1/2	29	20 1/4	14 1/2		114
WVAN-3-NPT				12 3/4			100
WVAN-4	4	8 1/2		20 5/8			194
WVAN-5	5	10	39	27 3/4	19 1/2		230
WVAN-6	6	12					255
WVAN-8	8	16	49	33 5/8	24 1/2		514
WVAN-10	10	20	65	37 1/2	32 1/2		770
WVAN-12	12	24	76	42 1/2	38		1080

Notes

- Trim package is optional.