

SINCE 1908  
**wessels**  
 company

SUBMITTAL

**SS-WVAN-SERIES**  
 STAINLESS AIR & DIRT SEPARATOR

Models: SS-WVAN-2 thru SS-WVAN-12  
 Submittal Sheet No. D-1008B Rev. 0 05/11/2026

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

**Description:**

Wessels SS-WVAN Stainless Steel Non-Removable Series Air & Dirt Separators are designed for corrosion resistant durability and to eliminate entrained air and particulate that can cause noise, reduce efficiency, and damage to any standard hydronic system. The design incorporates a skim valve, used to eliminate floating debris, and a connection for optional air vent to automatically release air from the separator.

**Construction:**

Shell: 304 Stainless Steel (optional: 316)  
 Heads: 304 Stainless Steel (optional: 316)  
 Coalescing Medium: 304 Stainless Steel  
 Blow Down Valve (optional): Bronze  
 Skim Valve (optional): Bronze  
 Vent (optional): Stainless  
 Exterior: Bead Blast

**Design Parameters:**

Design Temperature: 250°F  
 Design Pressure: 150 PSIG\*  
 \*125, 200 & 250 PSIG available

MODEL NUMBER	PART NUMBER	MAX FLOW (GPM)	TAGGING INFORMATION	QUANTITY
SS-WVAN-2	72308530	69		
SS-WVAN-2-NPT	72308535	69		
SS-WVAN-2.5	72308540	108		
SS-WVAN-2.5-NPT	72308545	108		
SS-WVAN-3	72308550	144		
SS-WVAN-3-NPT	72308555	144		
SS-WVAN-4	72308560	255		
SS-WVAN-5	72302570	398		
SS-WVAN-6	72308580	570		
SS-WVAN-8	72308519	945		
SS-WVAN-10	72308600	1440		
SS-WVAN-12	72308610	2100		

**Typical Specification**

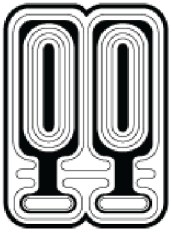
Furnish and install, as shown on plans, a 304 stainless steel SS-WVAN-\_\_\_\_\_ Air & Dirt Separator as manufactured by Wessels Company. Each separator must be designed with a blow down valve, skim valve, and automatic air vent. The separator must also utilize in its design a stainless steel coalescing 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 SS-WVAN-\_\_\_\_\_ or approved equal.



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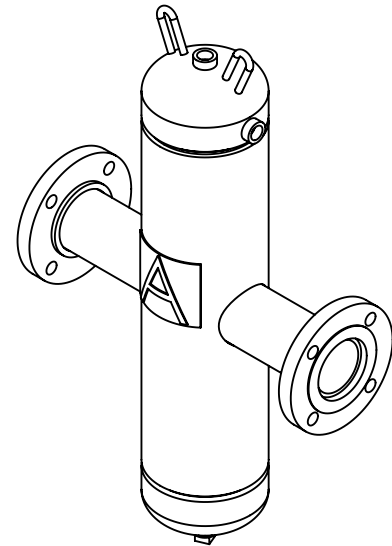
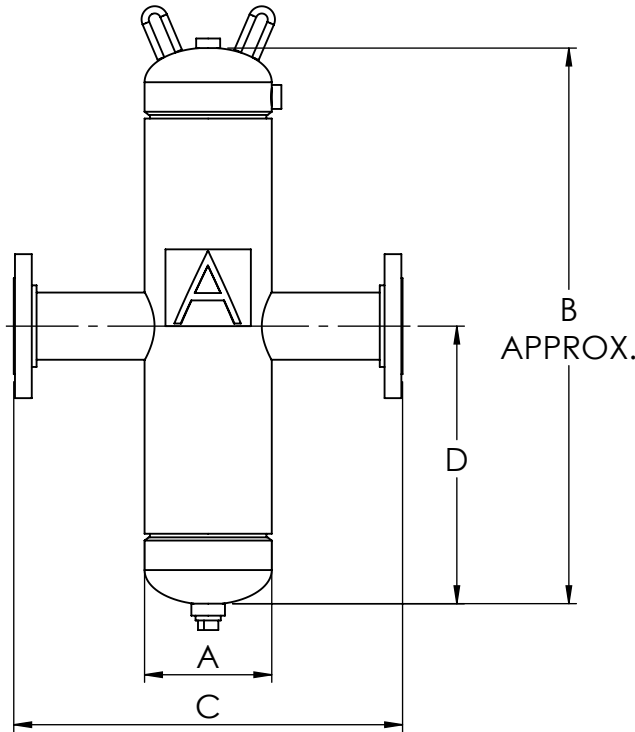


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**Dimensions & Weights:**

Model Number	Dimensions in Inches					Approx. Shipping Weight (lbs)
	Connection Size	A	B APPROX.	C	D	
SS-WVAN-2	2	4 1/2	23	15 1/4	11 1/2	100
SS-WVAN-2-NPT				9		90
SS-WVAN-2.5	2.5	5 9/16		15 3/4		125
SS-WVAN-2.5-NPT				10 5/8		115
SS-WVAN-3	3	6 5/8	29	20 1/4	14 1/2	150
SS-WVAN-3-NPT				12 3/4		130
SS-WVAN-4	4	8 5/8		20 5/8		250
SS-WVAN-5	5	10 3/4		39		27 3/4
SS-WVAN-6	6	12 3/4	375			
SS-WVAN-8	8	16	49	33 5/8	24 1/2	700
SS-WVAN-10	10	20	65	37 1/2	32 1/2	1000
SS-WVAN-12	12	24	76	42 1/2	38	1500

**Notes:**

- Trim package is optional.
- Optional Air Vent length is 8 5/8"
- U.S. Patent No. 10,708,538



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