



SINCE 1908  
**wessels**  
 company

SUBMITTAL

**WVADN-SERIES**  
 DIRT SEPARATOR

**Models:** WVAD-2N thru WVAD-12N

**Submittal Sheet No.** D-1019B

Date: 10/17

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

**Description**

Wessels WVADN series Dirt Separators are designed to separate debris associated with start-up and maintenance of any hydronic system. The design incorporates a skim valve for eliminating 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): Brass  
 Skim Valve (optional): Brass  
 Vent (optional): Cast Iron

**Performance Limitations**

Maximum Design Temperature: 250°F  
 Maximum Design Pressure: 125 PSIG\*

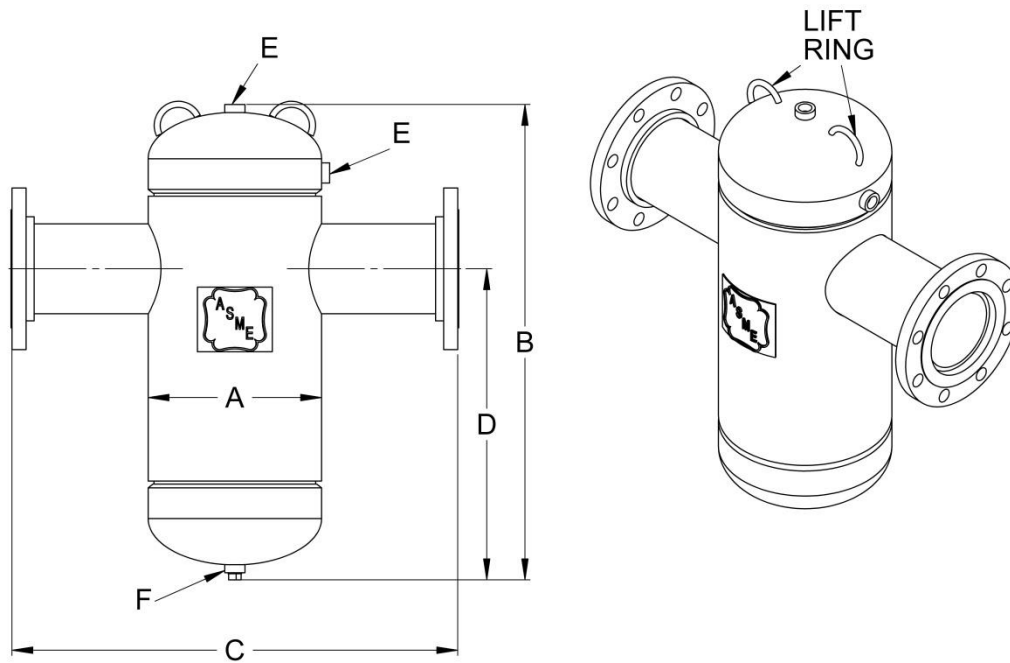
\*200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVAD-2N	72312001	69		
WVAD-2N-NPT	72312013	69		
WVAD-2.5N	72312037	108		
WVAD-2.5N-NPT	72312049	108		
WVAD-3N	72312073	144		
WVAD-3N-NPT	72312085	144		
WVAD-4N	72312109	255		
WVAD-4N-NPT	72312121	255		
WVAD-5N	72312122	398		
WVAD-6N	72312123	570		
WVAD-8N	72312124	945		
WVAD-10N	72312125	1440		
WVAD-12N	72312126	2100		

**Typical Specification**

Furnish and install, as shown on plans, a WVAD-\_\_\_\_\_N 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 system's 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 125 PSI working pressure @ 250°F.

Each dirt separator shall be Wessels model number WVAD-\_\_\_\_\_N or approved equal.



WVAD-2N thru WVAD-12N

### Dimensions & Weights

Model Number	Dimensions in Inches							Approx Shipping Wt (Lbs)		
	Connection Size	A	B	C	D	E	F			
WVAD-2N	2	4	18 1/2	15 1/4	11 1/2	1/2	1	35		
WVAD-2N-NPT				10 3/8				26		
WVAD-2.5N	2.5	5		15 3/4	61					
WVAD-2.5N-NPT				11	38					
WVAD-3N	3	6	23	20 1/4	14 1/2			1/2	1	71
WVAD-3N-NPT				12 1/2						56
WVAD-4N	4	8		20 5/8	15					105
WVAD-4N-NPT				15						91
WVAD-5N	5	10	31	27 3/4	19 1/2					92
WVAD-6N	6	12								129
WVAD-8N	8	16	36	33 5/8	24 1/2					225
WVAD-10N	10	20	46	37 1/2	32 1/2					375
WVAD-12N	12	24	54	42 1/2	38	564				

#### Notes

- Trim package is optional.