



SINCE 1908
wessels
 company

SUBMITTAL

WVAD-SERIES
 DIRT SEPARATOR

Models: WVAD-2 thru WVAD-12

Submittal Sheet No. D-1017B

Date: 10/17

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

Description

Wessels WVAD series Dirt Separators are designed to eliminate entrained air and 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: 150 PSIG*

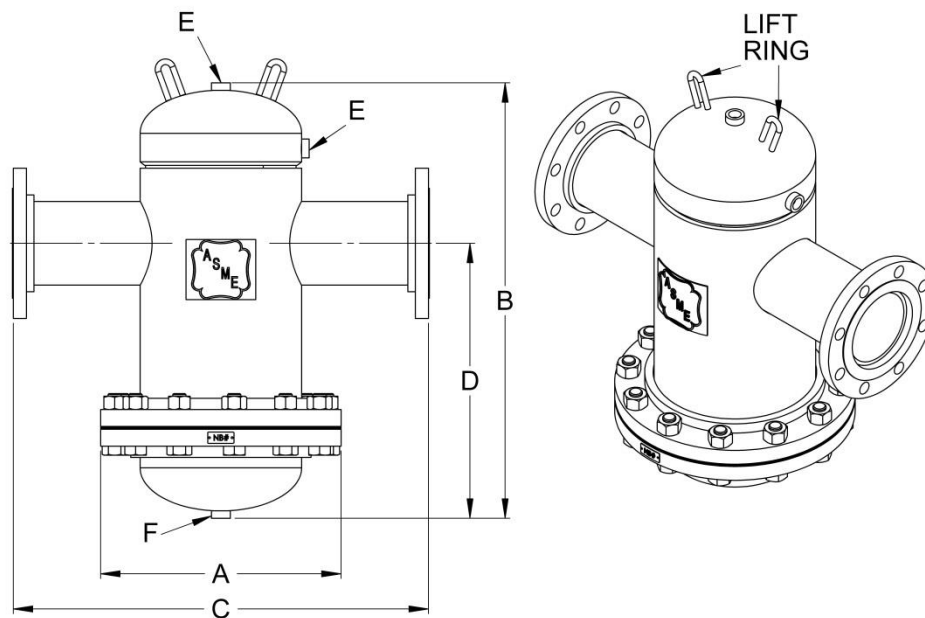
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVAD-2	72306002	69		
WVAD-2-NPT	72306014	69		
WVAD-2.5	72306038	108		
WVAD-2.5-NPT	72306050	108		
WVAD-3	72306074	144		
WVAD-3-NPT	72306086	144		
WVAD-4	72306110	255		
WVAD-5	72306146	398		
WVAD-6	72306170	570		
WVAD-8	72306194	945		
WVAD-10	72306218	1440		
WVAD-12	72306242	2100		

Typical Specification

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



WVAD-2 thru WVAD-12

Dimensions & Weights

Model Number	Dimensions in Inches							Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	F	
WVAD-2	2	9	18 1/2	15 1/4	11 1/2	1/2	1	64
WVAD-2-NPT				10 3/8				55
WVAD-2.5	2.5	1		15 3/4	82			
WVAD-2.5-NPT				11	70			
WVAD-3	3	11	23	20 1/4	14 1/2			113
WVAD-3-NPT				12 1/2				198
WVAD-4	4	13 1/2		20 5/8	168			
WVAD-5	5	16	31	27 3/4	19 1/2			245
WVAD-6	6	19		347				
WVAD-8	8	23 1/2	36	33 5/8	24 1/2			451
WVAD-10	10	27 1/2	46	37 1/2	32 1/2			711
WVAD-12	12	32	54	42 1/2	38			1121

Notes

- Trim package is optional.