



SINCE 1908
wessels
 company

SUBMITTAL

WVND-HV (High Velocity)-SERIES
 DIRT SEPARATOR

Models: WVND-2-HV thru WVND-12-HV

Submittal Sheet No. D-1122A

Date: 10/17

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

Description

Wessels WVND-HV (High Velocity) 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: 150 PSIG*

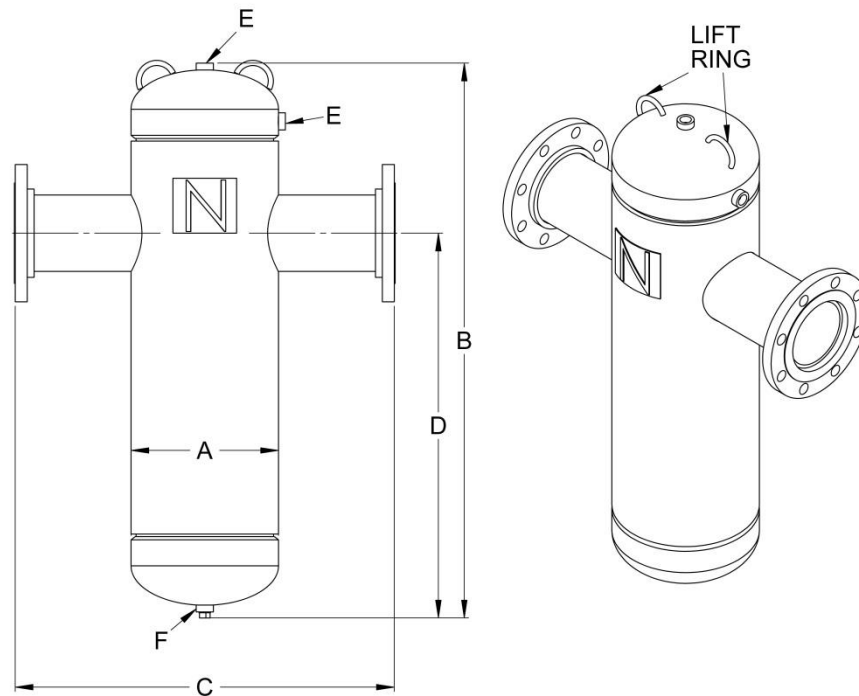
*200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVND-2-HV	72317002	105		
WVND-2-HV-NPT	72317014	105		
WVND-2.5-HV	72317026	155		
WVND-2.5-HV-NPT	72317038	155		
WVND-3-HV	72317050	225		
WVND-3-HV-NPT	72317062	225		
WVND-4-HV	72317074	405		
WVND-4-HV-NPT	72317086	405		
WVND-5-HV	72317098	630		
WVND-6-HV	72317110	910		
WVND-8-HV	72317122	1610		
WVND-10-HV	72317134	2450		
WVND-12-HV	72317146	3500		

Typical Specification

Furnish and install, as shown on plans, a WVND- _____ -HV 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 shall be constructed for 150 PSI working pressure @ 250°F.

Each air separator shall be Wessels model number WVND- _____ -HV or approved equal.



WVND-2HV thru WVND-12HV

Dimensions & Weights

Model Number	Dimensions in Inches							Approx Shipping Wt (lbs)		
	Connection Size	A	B	C	D	E	F			
WVND-2-HV	2	4	23	15 1/4	16 1/2	1/2	1	40		
WVND-2-HV-NPT				10 3/8				31		
WVND-2.5-HV	2.5	5		15 3/4				68		
WVND-2.5-HV-NPT				11				45		
WVND-3-HV	3	6	30	20 1/4	21			1/2	1	82
WVND-3-HV-NPT				12 1/2						68
WVND-4-HV	4	8		20 5/8						122
WVND-4-HV-NPT				15						108
WVND-5-HV	5	10	41	27 3/4	29 1/2	1/2	1			128
WVND-6-HV	6	12								140
WVND-8-HV	8	16	49	33 5/8	37 3/4					245
WVND-10-HV	10	20	60	37 1/2	46					407
WVND-12-HV	12	24	71	42 1/2	55			612		

Notes

- Trim package is optional.