



SINCE 1908
wessels
 company

SUBMITTAL

WVN NON-REMOVABLE HIGH VELOCITY-SERIES

AIR & DIRT SEPARATOR

Models: WVN-2N-HV thru WVN-12N-HV

Submittal Sheet No. D-1111B

Date: 8/16

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

Description

Wessels WVN-N-HV (Non Removable High Velocity) 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

Performance Limitations

Maximum Design Temperature: 250°F
 Maximum Design Pressure: 150 PSIG*

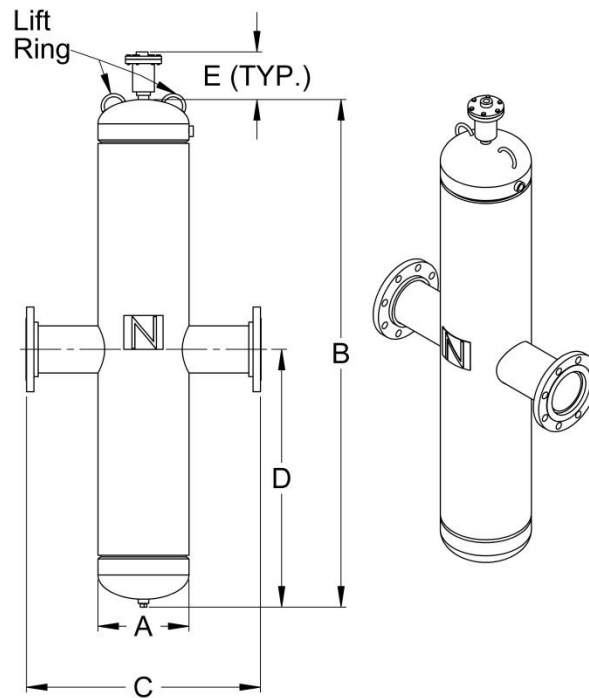
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVN-2N-HV	74090020	105		
WVN-2N-HV-NPT	74090021	105		
WVN-2.5N-HV	74090025	155		
WVN-2.5N-HV-NPT	74090026	155		
WVN-3N-HV	74090030	225		
WVN-3N-HV-NPT	74090031	225		
WVN-4N-HV	74090040	405		
WVN-5N-HV	74090050	630		
WVN-6N-HV	74090060	910		
WVN-8N-HV	74090080	1610		
WVN-10N-HV	74090100	2450		
WVN-12N-HV	74090120	3500		

Typical Specification

Furnish and install, as shown on plans, a WVN-_____-N -HV High Velocity 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 and stamped for 150 PSI working pressure @ 250°F.

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



WVN-2N-HV thru WVN-12N-HV

Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
WVN-2N-HV	2	4 1/2	33	15 3/4	16 1/2	8 5/8	100
WVN-2N-HV-NPT				9			90
WVN-2.5N-HV	2.5	5 1/2		15 3/4			125
WVN-2.5N-HV-NPT				10 1/2			115
WVN-3N-HV	3	6 1/2	42	20 1/4	21		150
WVN-3N-HV-NPT				12 3/4			130
WVN-4N-HV	4	8 1/2		20 5/8			250
WVN-5N-HV	5	10	59	27 3/4	29 1/2		310
WVN-6N-HV	6	12					375
WVN-8N-HV	8	16	75	33 5/8	37 1/2		700
WVN-10N-HV	10	20	92	37 1/2	46		1000
WVN-12N-HV	12	24	110	42 1/2	55		1500

Notes

- Trim package is optional.