



SINCE 1908
wessels
 company

SUBMITTAL

WVN NON-REMOVABLE-SERIES
 AIR & DIRT SEPARATOR

Models: WVN-2N thru WVN-12N

Submittal Sheet No. D-1110B

Date: 8/16

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

Description

Wessels WVN-N (Non-Removable) 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*

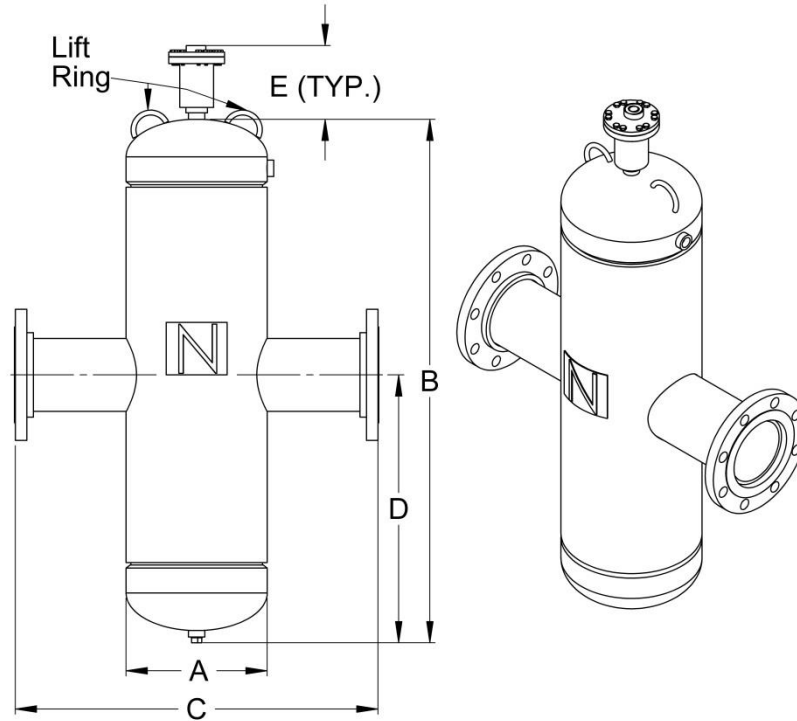
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVN-2N	74080020	69		
WVN-2N-NPT	74080021	69		
WVN-2.5N	74080025	108		
WVN-2.5N-NPT	74080026	108		
WVN-3N	74080030	144		
WVN-3N-NPT	74080031	144		
WVN-4N	74080040	255		
WVN-5N	74080050	398		
WVN-6N	74080060	570		
WVN-8N	74080080	945		
WVN-10N	74080100	1440		
WVN-12N	74080120	2100		

Typical Specification

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



WVN-2N thru WVN-12N

Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
WVN-2N	2	4 1/2	23	15 1/4	11 1/2	8 5/8	76
WVN-2N-NPT				9			70
WVN-2.5N	2.5	5 1/2		15 3/4			99
WVN-2.5N-NPT				10 1/2			90
WVN-3N	3	6 1/2	20 1/4	14 1/2	114		
WVN-3N-NPT			12 3/4		100		
WVN-4N	4	8 1/2	20 5/8	19 1/2	194		
WVN-5N	5	10	39	27 3/4	19 1/2		230
WVN-6N	6	12					255
WVN-8N	8	16	49	33 5/8	24 1/2		514
WVN-10N	10	20	65	37 1/2	32 1/2		770
WVN-12N	12	24	76	42 1/2	38		1080

Notes

- Trim package is optional.