

SINCE 1908
wessels
 company

SUBMITTAL

WVA-MAX SERIES

AIR & DIRT SEPARATOR

Models: WVA-2-MAX thru WVA-12-MAX

Submittal Sheet No. D-1006D

Date: 2/21

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

Description

Wessels patented WVA-MAX series Air & Dirt Separators are designed to eliminate entrained air and separate debris associated with start-up and maintenance of any hydronic system. The WVA-MAX is a complete package that includes a removable WesMag® stack of neodymium rare-earth magnets that filters ferrous particulate, a skim valve to eliminate floating debris, a removable end cover for coalescing medium access, an air vent to automatically release air from the separator, and an extended 5 year warranty. U.S. Patent No. 10,708,538.

Construction

Shell: Carbon Steel
 Coalescing Medium: Stainless Steel
 Blow Down Valve (optional): Bronze
 Skim Valve (optional): Bronze
 Vent (optional): Cast Iron
 Exterior: Primer Painted

Performance Limitations

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

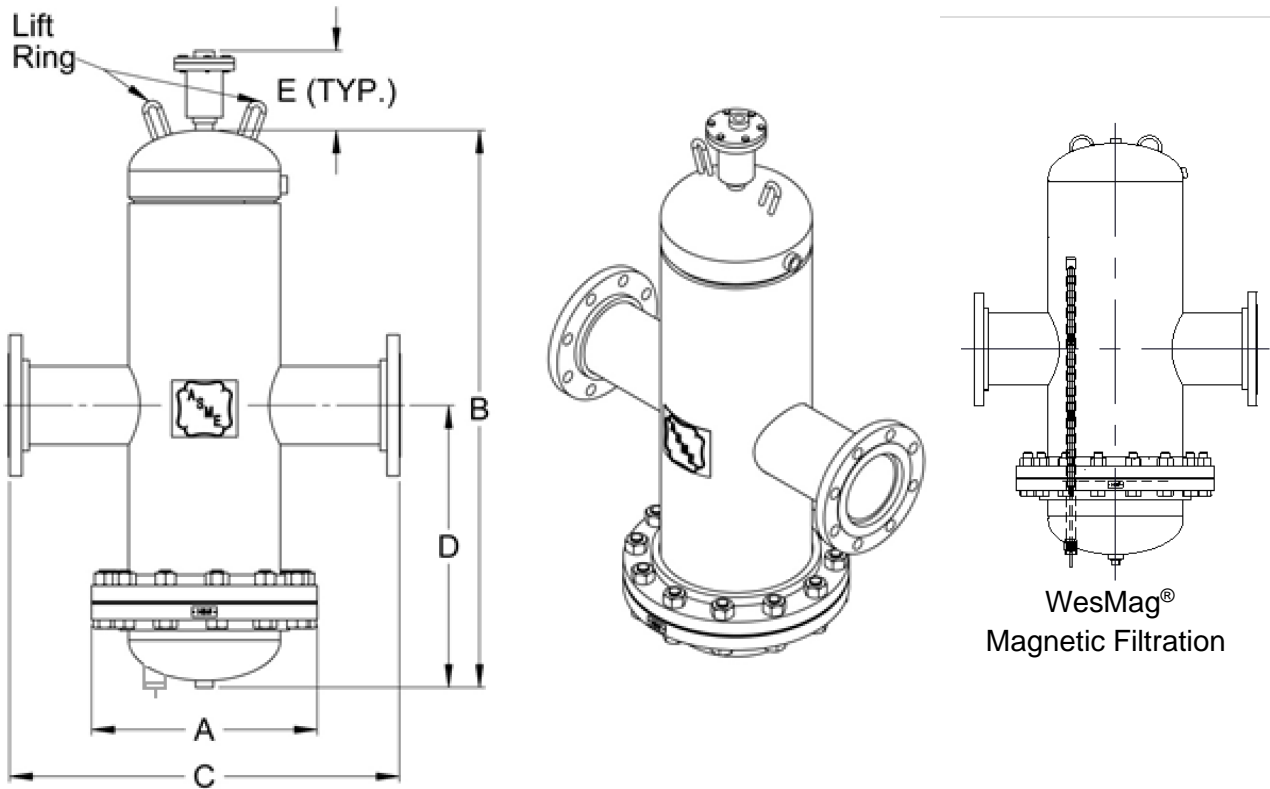
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVA-2-MAX	73180020M	75		
WVA-2NPT-MAX	73180021M	75		
WVA-2.5-MAX	73180025M	120		
WVA-2.5NPT-MAX	73180026M	120		
WVA-3-MAX	73180030M	168		
WVA-3NPT-MAX	73180031M	168		
WVA-4-MAX	73180040M	295		
WVA-5-MAX	73180050M	450		
WVA-6-MAX	73180060M	650		
WVA-8-MAX	73180080M	1125		
WVA-10-MAX	73180100M	1775		
WVA-12-MAX	73180120M	2545		

Typical Specification

Furnish and install, as shown on plans, a WVA-_____-MAX 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 and removable WesMag® stacks of neodymium rare-earth magnets housed in a stainless steel well for filtration and removal of ferrous particulate. 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 150 PSI working pressure @ 250°F.

Each air separator shall be Wessels model number WVA-_____-MAX or approved equal.



WVA-2-MAX thru WVA-12-MAX

Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
WVA-2-MAX	2	9	23	15 1/4	11 1/2	8 5/8	110
WVA-2NPT-MAX				9			100
WVA-2.5-MAX	2.5	10		15 3/4			138
WVA-2.5NPT-MAX				10 1/2			128
WVA-3-MAX	3	11	29	20 1/4	14 1/2		165
WVA-3NPT-MAX				12 3/4			155
WVA-4-MAX	4	13 1/2		20 5/8	270		
WVA-5-MAX	5	16	39	27 3/4	19 1/2		335
WVA-6-MAX	6	19					405
WVA-8-MAX	8	23 1/2	49	33 5/8	24 1/2		740
WVA-10-MAX	10	27 1/2	65	37 1/2	32 1/2		1050
WVA-12-MAX	12	32	76	42 1/2	38		1560

Notes

- Extended 5 Year Warranty
- Neodymium magnets – 12,000 gauss
- U.S. Patent No. 10,708,538
- Trim Package Optional