



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: 12/22

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 removable end cover for coalescing medium access, an extended 5 year warranty, an optional add-on skim valve to eliminate floating debris, and an optional add-on air vent to automatically release air from the separator. 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\*

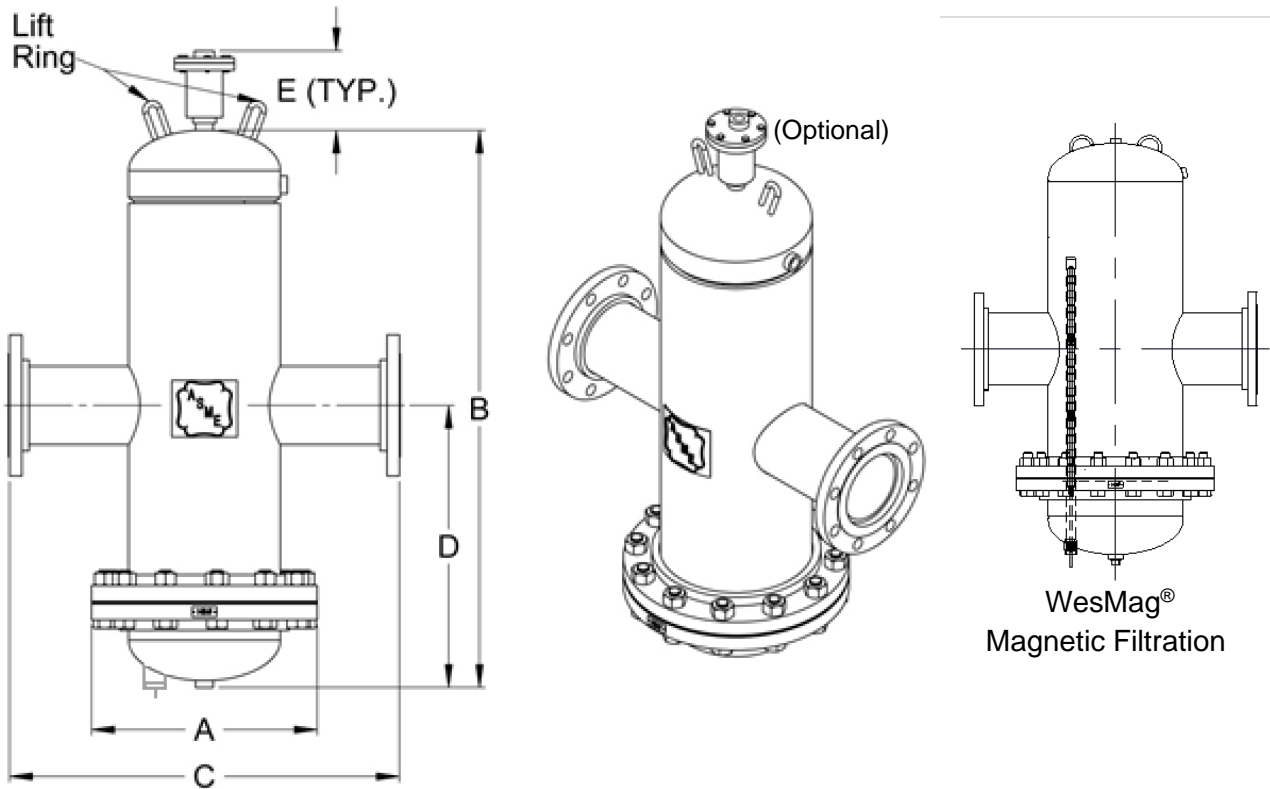
\*125, 200 & 250 PSIG available

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. The separator must 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