



SINCE 1908
wessels
 company

SUBMITTAL

WVA-WM2-SERIES
 MAGNETIC AIR & DIRT SEPARATOR

Models: WVA-2-WM2 thru WVA-12-WM2

Submittal Sheet No. D-1011A

Date: 6/18

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

Description

Wessels WVA-WM2 series Air & Dirt Separators with WesMag® magnetic filtration are designed to eliminate entrained air and separate debris and ferrous particulate associated with start-up and maintenance of any hydronic system. The design incorporates multiple removable WesMag® stacks of neodymium rare-earth magnets in a stainless steel well, a skim valve used to eliminate floating debris, removable end cover for coalescing medium access, and an air vent to automatically release air from the separator.

Construction

Shell: Carbon Steel Exterior: Primer Painted
 Coalescing Medium: Stainless Steel
 Magnet: Neodymium WesMag® Stack
 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*

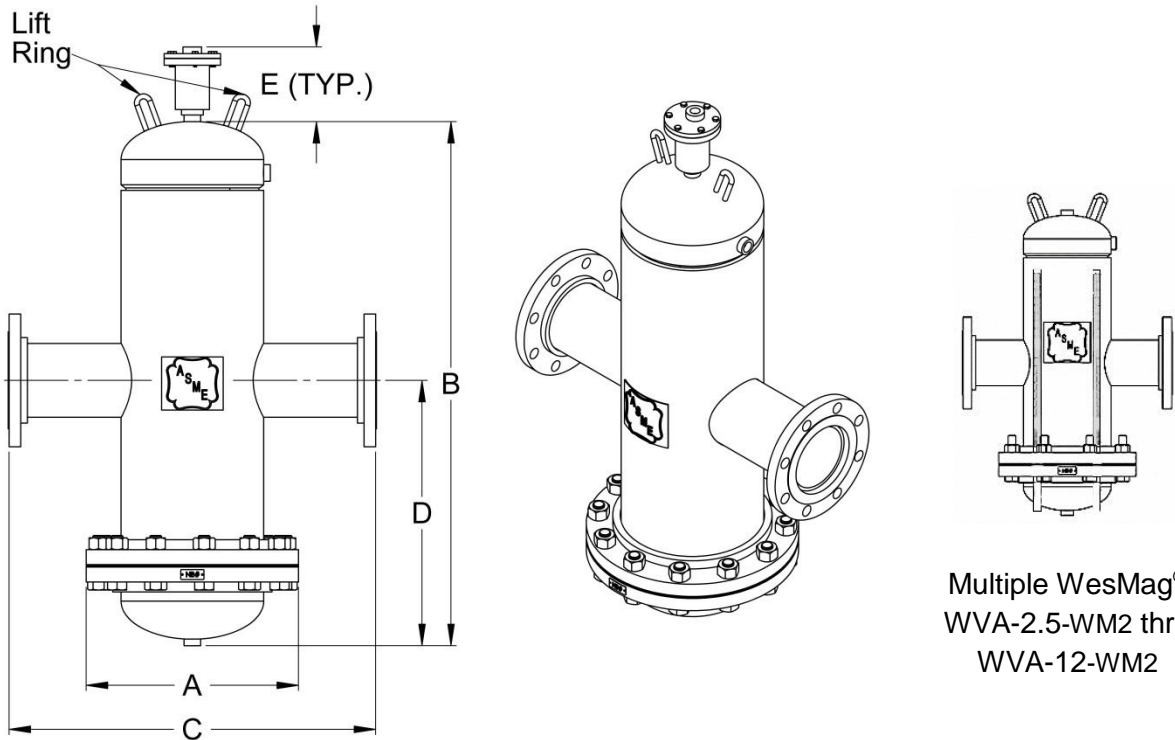
*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
WVA-2-WM2	74380020	69		
WVA-2-NPT-WM2	74380021	69		
WVA-2.5-WM2	74380025	108		
WVA-2.5-NPT-WM2	74380026	108		
WVA-3-WM2	74380030	144		
WVA-3-NPT-WM2	74380031	144		
WVA-4-WM2	74380040	255		
WVA-5-WM2	74380050	398		
WVA-6-WM2	74380060	570		
WVA-8-WM2	74380080	945		
WVA-10-WM2	74380100	1440		
WVA-12-WM2	74380120	2100		

Typical Specification

Furnish and install, as shown on plans, a WVA-_____ -WM2 Magnetic 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-_____ -WM2 or approved equal.



WVA-2-WM2 thru WVA-12-WM2

Dimensions & Weights

Model Number	Dimensions in Inches					# of WesMag® Elements	Approx Shipping Wt (lbs)	
	Connection Size	A	B	C	D			
WVA-2-WM2	2	9	23	15 1/4	11 1/2	8 5/8	1	110
WVA-2-NPT-WM2				9			1	100
WVA-2.5-WM2	2.5	10		15 3/4	2		150	
WVA-2.5-NPT-WM2				10 1/2	2		140	
WVA-3-WM2	3	11	29	20 1/4	14 1/2		2	180
WVA-3-NPT-WM2			12 3/4	2			170	
WVA-4-WM2	4	13 1/2	39	20 5/8	3		310	
WVA-5-WM2	5	16	39	27 3/4	19 1/2		3	410
WVA-6-WM2	6	19	49	27 3/4	19 1/2		4	480
WVA-8-WM2	8	23 1/2	65	33 5/8	24 1/2		4	815
WVA-10-WM2	10	27 1/2	65	37 1/2	32 1/2		5	1200
WVA-12-WM2	12	32	76	42 1/2	38		6	1760

Notes

- Trim package is optional.
- Neodymium magnets – 12,000 gauss (multiple wells for 2 1/2" to 12")