



**SUBMITTAL**

**ZADS-HV - HIGH VELOCITY SERIES**

**AIR & DIRT SEPARATOR**

**Models:** ZADS-2-HV thru ZADS-12-HV

Date: 9/25

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

**Description Models:**

Zilmet ZADS-HV (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.

- Trim package is optional. The trim package 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\*

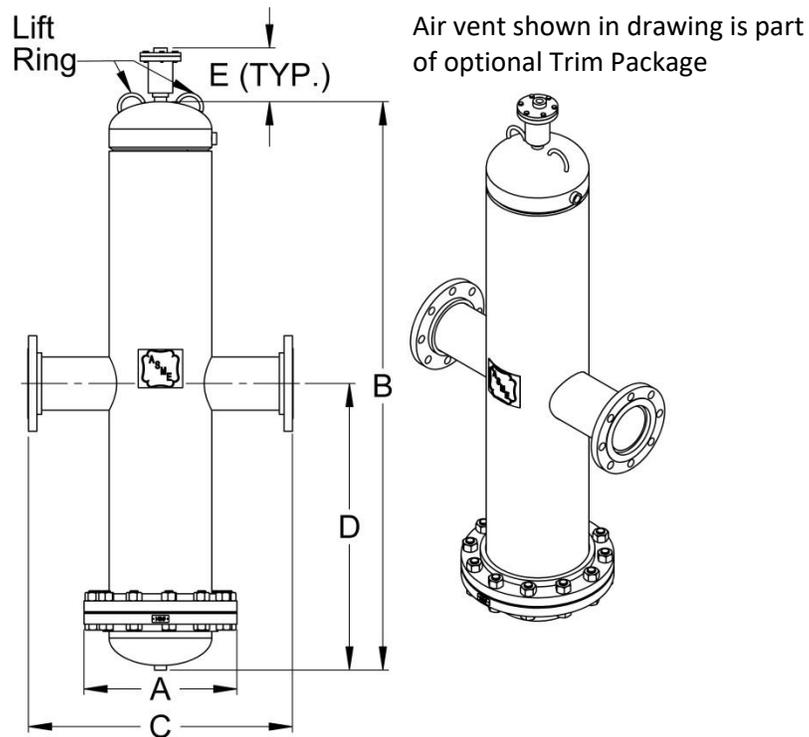
\*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
ZADS-2HV	72303001	105		
ZADS-2HV-NPT	72303012	105		
ZADS-2.5HV	72303035	155		
ZADS-2.5HV-NPT	72303047	155		
ZADS-3HV	72303070	225		
ZADS-3HV-NPT	72303081	225		
ZADS-4HV	72303104	405		
ZADS-5HV	72303138	630		
ZADS-6HV	72303161	910		
ZADS-8HV	72303184	1610		
ZADS-10HV	72303207	2450		
ZADS-12HV	72303230	3500		

**Typical Specification**

Furnish and install, as shown on plans, a ZADS- \_\_\_\_\_ -HV High Velocity Air & Dirt Separator as manufactured by Zilmet USA 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 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 Zilmet model number ZADS- \_\_\_\_\_ -HV or approved equal.



### Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
ZADS-2HV	2	9	33	15 1/4	16 1/2	8 5/8	110
ZADS-2HV-NPT				9			110
ZADS-2.5HV	2.5	10		15 3/4			140
ZADS-2.5HV-NPT				10 1/2			140
ZADS-3HV	3	11	42	20 1/4	21		175
ZADS-3HV-NPT				12 3/4			175
ZADS-4HV	4	13 1/2		20 5/8	275		
ZADS-5HV	5	16		59	27 3/4		29 1/2
ZADS-6HV	6	19	29 1/2		525		
ZADS-8HV	8	23 1/2	75	33 5/8	37 3/4		825
ZADS-10HV	10	27 1/2	92	37 1/2	46		1275
ZADS-12HV	12	32	110	42 1/2	55		2050

#### Notes

- Trim package is optional.