



**SUBMITTAL**

**ZADSN NON-REMOVABLE HIGH VELOCITY-SERIES  
AIR & DIRT SEPARATOR**

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

Date: 9/25

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

**Description**

Zilmet ZADSN-HV (Non-Removeable 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  
 Exterior: Primer Painted  
 Down Valve (optional): Bronze  
 Skim Valve (optional): Bronze  
 Vent (optional): Cast Iron

**Performance Limitations**

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

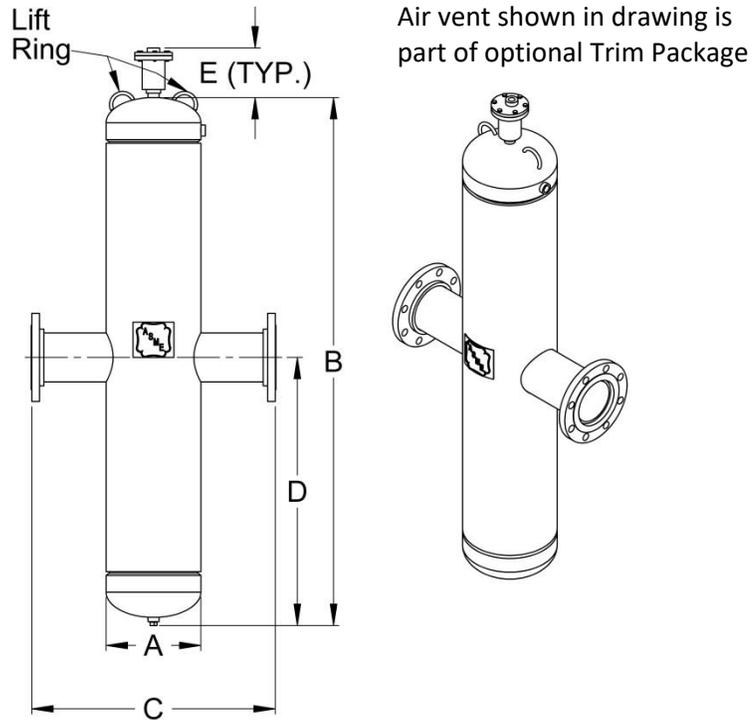
\*125, 200 & 250 PSIG available

Model Number	Part Number	Max Flow (GPM)	Tagging Information	Quantity
ZADSN-2HV	72309001	105		
ZADSN-2HV-NPT	72309012	105		
ZADSN-2.5HV	72309034	155		
ZADSN-2.5HV-NPT	72309045	155		
ZADSN-3HV	72309067	225		
ZADSN-3HV-NPT	72309078	225		
ZADSN-4HV	72309100	405		
ZADSN-5HV	72309133	630		
ZADSN-6HV	72309155	910		
ZADSN-8HV	72309177	1610		
ZADSN-10HV	72309199	2450		
ZADSN-12HV	72309221	3500		

**Typical Specification**

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



ZADSN-2HV thru ZADSN-12HV

### Dimensions & Weights

Model Number	Dimensions in Inches						Approx Shipping Wt (lbs)
	Connection Size	A	B	C	D	E	
ZADSN-2HV	2	4 1/2	33	15 3/4	16 1/2	8 5/8	100
ZADSN-2HV-NPT				9			90
ZADSN-2.5HV	2.5	5 1/2		15 3/4			125
ZADSN-2.5HV-NPT				10 1/2			115
ZADSN-3HV	3	6 1/2	42	20 1/4	21		150
ZADSN-3HV-NPT				12 3/4			130
ZADSN-4HV	4	8 1/2		20 5/8			250
ZADSN-5HV	5	10	59	27 3/4	29 1/2		310
ZADSN-6HV	6	12					375
ZADSN-8HV	8	16	75	33 5/8	37 1/2		700
ZADSN-10HV	10	20	92	37 1/2	46		1000
ZADSN-12HV	12	24	110	42 1/2	55		1500

### Notes

- Trim package is optional.