

**DIRT & AIR SEPARATORS | MODELS DASH-2 TO DASH-12 | ASME, NON-REMOVABLE DIRT/AIR CARTRIDGE HIGH VELOCITY UNITS | SUBMITTAL**

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Job: \_\_\_\_\_ Representative: \_\_\_\_\_  
 \_\_\_\_\_ Order no.: \_\_\_\_\_ Date: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

QUANTITY	TAG NO.	MODEL NO.	COMMENTS

**TYPICAL SPECIFICATION**

Furnish and install on the plans and described herein, an Armstrong DASH High Velocity Dirt & Air Separator as manufactured by Armstrong. 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 system entrained water. The separator must be constructed in accordance with the latest revision of the ASME Boiler and Pressure Vessel Code and stamped for 125 psi (862 kPa) working pressure.

Each separator shall be Armstrong model DASH-\_\_\_\_\_ or approved equal.

NPT connections are available for sizes 2 to 4. Nomenclature: DASH-\_\_\_\_\_-N.

**MAXIMUM OPERATING CONDITIONS**

**Working temperature:** 250°F (121°C)

**Working pressure:** 125 psig (862 kpa)

**MATERIALS OF CONSTRUCTION**

**Shell:** Carbon steel

**Coalescing medium:** Stainless steel

**Gasket (removable head):** Styrene Butadiene Rubber (SBR)

**Blow-down valve (optional):** Bronze

**Skim valve (optional):** Bronze

**Air vent (optional) 2" to 5":** Brass (external)/Non-ferrous (internal)

**Air vent (optional) 6" and up:** Cast iron

**DIRT & AIR SEPARATOR APPLICATIONS**

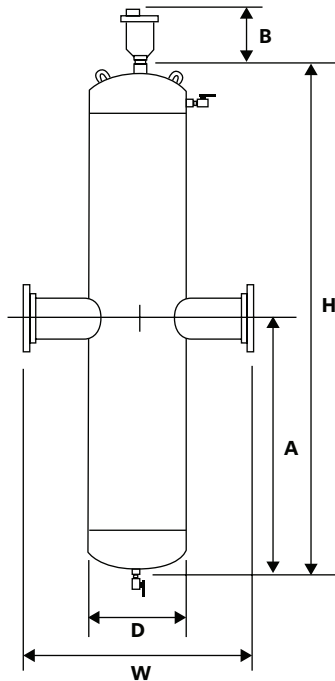
Armstrong High Velocity Dirt & Air Separators are designed to eliminate entrained air and separate dirt particles associated with the start-up and maintenance of any hydronic system. The design incorporates a skim valve (optional), used to remove floating debris and an air vent (optional) to automatically release air from the separator. The design and construction conforms to ASME Section VIII, Div. 1.

**DIMENSIONS AND WEIGHTS**

MODEL	CONN. SIZE	SUGGESTED FLOW	A	B	D	H	W	DRY WEIGHT	WET WEIGHT
		USgpm (L/s)	inches (mm)				lbs. (kg)		
DASH-2	2"	105 (6.6)	16.50	8.62	4.00	33.00	15.25 (387)	76 (34)	106 (48)
DASH-2-N			(419)	(219)	(102)	(838)	10.38 (264)	70 (32)	96 (44)
DASH-2.5	2.5"	155 (9.8)	16.50	8.62	5.00	33.00	15.75 (400)	99 (45)	141 (64)
DASH-2.5-N			(419)	(219)	(127)	(838)	11.00 (279)	89 (40)	126 (57)
DASH-3	3"	225 (14.2)	21.00	8.62	6.00	42.00	20.25 (514)	139 (63)	192 (87)
DASH-3-N			(533)	(219)	(152)	(1067)	12.50 (318)	128 (58)	172 (78)
DASH-4	4"	405 (25.6)	21.00	8.62	8.00	42.00	20.62 (524)	219 (99)	319 (144)
DASH-4-N			(533)	(219)	(203)	(1067)	15.00 (381)	203 (92)	279 (126)
DASH-5	5"	630 (39.8)	29.50	8.62	10.00	59.00	27.75 (705)	236 (107)	619 (280)
DASH-6	6"	910 (57.4)	29.50	8.62	12.00	59.00	27.75 (705)	405 (183)	740 (335)
DASH-8	8"	1610 (101.6)	37.75	8.62	16.00	75.00	33.62 (854)	639 (289)	1363 (617)
DASH-10	10"	2450 (154.6)	46.00	8.62	20.00	92.00	37.50 (953)	1045 (473)	2342 (1060)
DASH-12	12"	3500 (220.9)	55.00	8.62	24.00	110.00	42.50 (1080)	1630 (738)	3925 (1776)

**Note:**

All dimensions are in inches (mm) and weights are in lbs. (kg).



Air vent, blow-down & skim valve connections are 1/2" FNPT.  
 Flanges are ASA, FF.

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