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**Dirt & Air Separators - Models DASH-2(Q) to DASH-12(Q)**  
**Non-ASME, Non-removable Dirt/Air Cartridge High Velocity Units**

**SUBMITTAL**

JOB: _____	REPRESENTATIVE: _____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
	APPROVED BY: _____ DATE: _____

Quantity	TAG No.	Model No.	Comments

**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.

TECHNICAL DATA	
Max. Working Temperature	250°F (121°C)
Max. Working Pressure	150 psig (1034 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)
	6" and up Cast Iron

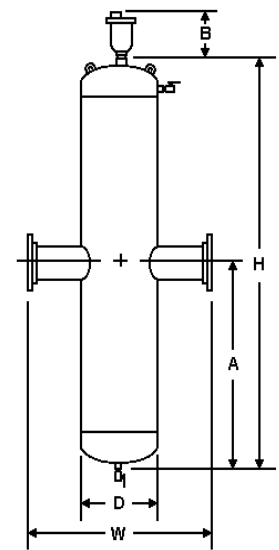
**TYPICAL SPECIFICATION**

Furnish and install on the plans and described herein, an Armstrong DASH(Q) 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 and rated for 150 psi (1034 kPa) working pressure.

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

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

DIMENSIONS and WEIGHTS									
Model	Conn. Size	Suggested Flow USgpm (L/s)	D	H	W	A	B	Dry Weight	Wet Weight
DASH-2(Q)	2"	105 (6.6)	4.00 (102)	33.00 (838)	15.25 (387)	16.50 (419)	8.62 (219)	76 (34)	106 (48)
DASH-2-N(Q)					10.38 (264)			70 (32)	96 (44)
DASH-2.5(Q)	2.5"	155 (9.8)	5.00 (127)	33.00 (838)	15.75 (400)	16.50 (419)	8.62 (219)	99 (45)	141 (64)
DASH-2.5-N(Q)					11.00 (279)			89 (40)	126 (57)
DASH-3	3"	225 (14.2)	6.00 (152)	42.00 (1067)	20.25 (514)	21.00 (533)	8.62 (219)	139 (63)	192 (87)
DASH-3-N					12.50 (318)			128 (58)	172 (78)
DASH-4(Q)	4"	405 (25.6)	8.00 (203)	42.00 (1067)	20.62 (524)	21.00 (533)	8.62 (219)	219 (99)	319 (144)
DASH-4-N(Q)					15.00 (381)			203 (92)	279 (126)
DASH-5(Q)	5"	630 (39.8)	10.00 (254)	59.00 (1499)	27.75 (705)	29.50 (749)	8.62 (219)	236 (107)	619 (280)
DASH-6(Q)	6"	910 (57.4)	12.00 (305)	59.00 (1499)	27.75 (705)	29.50 (749)	8.62 (219)	405 (183)	740 (335)
DASH-8(Q)	8"	1610 (101.6)	16.00 (406)	75.00 (1905)	33.62 (854)	37.75 (959)	8.62 (219)	639 (289)	1363 (617)
DASH-10(Q)	10"	2450 (154.6)	20.00 (508)	92.00 (2337)	37.50 (953)	46.00 (1168)	8.62 (219)	1045 (473)	2342 (1060)
DASH-12(Q)	12"	3500 (220.9)	24.00 (610)	110.00 (2794)	42.50 (1080)	55.00 (1397)	8.62 (219)	1630 (738)	3925 (1776)



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

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