

## Vortex Air Separators - Models VA / VAS: 4" to 12"

## SUBMITTAL

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

MODEL NO. ORDERED: \_\_\_\_\_ QTY.: \_\_\_\_\_  
TAG NO.: \_\_\_\_\_

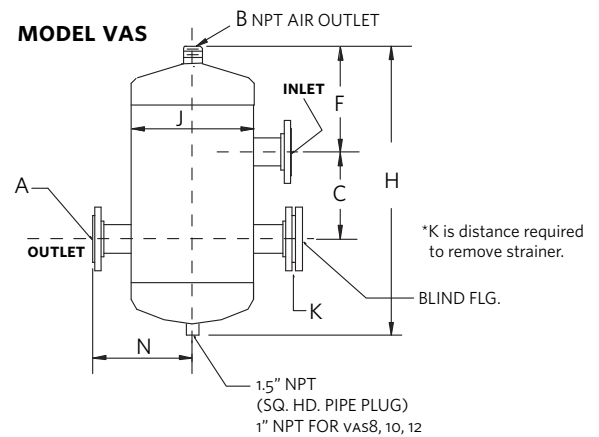
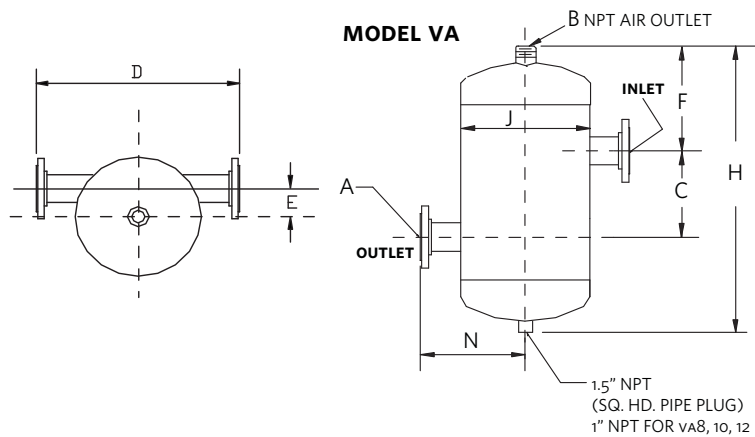
All models designed and built to ASME Pressure Vessel Code, Section VIII, Division 1.

**TYPICAL SPECIFICATION**  
Furnish & install an Armstrong Vortex® Air Separator, Model \_\_\_ VA or Model \_\_\_ VAS (with strainer) with flanged tangential connections as shown on plans. The unit shall be designed and built in accordance with the latest revisions of ASME Pressure Vessel Code, Section VIII, Division 1. A blowdown connection is provided for routine cleaning of the unit.

TECHNICAL DATA	
Max. Working Temperature	375°F (190°C)
Max. Working Pressure	4" to 6" Models: 160 psi (1103 kPa) 8" to 12" Models: 165 psi (1140 kPa)
Connection Type	150# Flanged ANSI (RF&SO)

MATERIALS OF CONSTRUCTION	
Shell	4" to 6" Models: Cast Iron 8" to 12" Models: Fabricated Steel
Strainer	Steel Mesh (1/4" x 3/4")
Gasket	Non-Asbestos

MODEL		DIMENSION INCHES (MM)										MAX. FLOW RATE IN USGPM (L/S) FOR LINE VELOCITY FT/S (M/S)			WEIGHT LBS. (KG)		STRAINER SCREEN FREE AREA
LESS STRAINER	WITH STRAINER	A	B	C	D	E	F	H	J	K	N	4	6	8	VA	VAS	SQ. IN. (SQ. CM)
												(1.22)	(1.83)	(2.44)			
VA-4	VAS-4	4.00 (102)	1.50 (38)	9.50 (241)	18.00 (457)	2.25 (57)	6.80 (173)	22.25 (565)	10.75 (273)	16.00 (406)	9.00 (229)	160 (10.1)	240 (15.1)	320 (20.2)	121 (55)	151 (69)	76 (490)
VA-5	VAS-5	5.00 (127)	1.50 (38)	11.00 (279)	20.00 (508)	2.88 (73)	8.69 (221)	28 (711)	12.75 (324)	19.00 (483)	10.00 (254)	250 (9.84)	375 (14.8)	500 (31.6)	173 (79)	207 (94)	124 (800)
VA-6	VAS-6	6.00 (152)	1.50 (38)	12.50 (318)	24.00 (610)	4.00 (102)	9.85 (250)	32.24 (819)	16.00 (406)	22.00 (558)	12.00 (305)	360 (22.7)	540 (34.1)	720 (45.4)	264 (120)	306 (139)	183 (1181)
VA-8	VAS-8	8.00 (203)	2.00 (51)	16.00 (406)	28.00 (711)	5.00 (127)	12.81 (310)	41.25 (1048)	20.00 (508)	26.00 (660)	14.00 (356)	630 (39.8)	940 (59.3)	1250 (78.9)	228 (103)	332 (151)	302 (1949)
VA-10	VAS-10	10.00 (254)	2.00 (51)	20.00 (508)	32.00 (813)	5.75 (146)	15.00 (381)	49.50 (1257)	24.00 (610)	29.00 (737)	16.00 (406)	990 (62.5)	1500 (94.6)	1980 (124.9)	390 (177)	547 (248)	452 (2916)
VA-12	VAS-12	12.00 (305)	2.00 (51)	26.00 (660)	38.00 (965)	7.75 (197)	17.56 (446)	61.25 (1556)	30.00 (762)	36.00 (914)	19.00 (483)	1400 (88.3)	2100 (132.5)	2800 (176.7)	609 (276)	856 (388)	679 (4381)



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