

VORTEX AIR SEPARATORS | MODELS VA/VAS |
14" to 24" | SUBMITTAL

File No: 37.622
Date: SEPTEMBER 22, 2016
Supersedes: 37.622
Date: NOVEMBER 24, 2014

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

DATA

Model no. ordered: _____ Qty: _____
Tag no.: _____

TECHNICAL DATA

Max. working temperature: 450°F (232°C)
Max. working pressure: 125 psi (865 kPa)
Connection type: 150# Flanged ANSI (RFSO)

NOTES

All models designed and built to ASME Pressure vessel code, section VIII, Division 1.

MATERIALS OF CONSTRUCTION

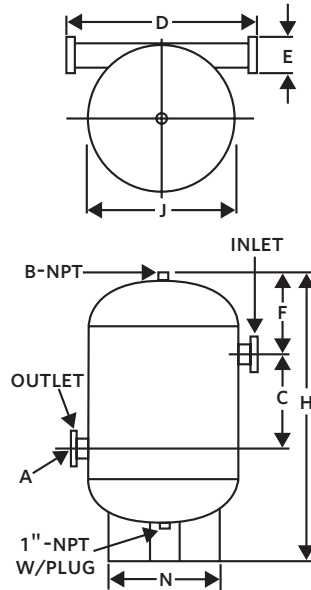
Shell: Fabricated steel
Strainer: Stainless steel mesh (¼" x ¾")
Gasket: Non-asbestos

TYPICAL SPECIFICATION

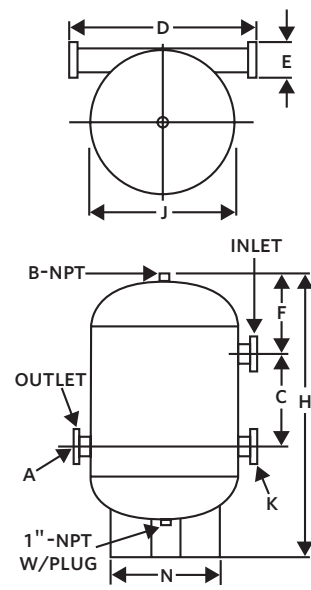
Furnish & install an Armstrong Vortex® Air separator, Model _____ VA or model _____ VAS (with strainer) with flanged tangential connections as shown on plans. The unit shall be designed and built in accordance with the latest revisions of ASME Pressure vessel code, section VIII, Division 1. A blowdown connection is provided for routine cleaning of the unit.

MODEL		DIMENSIONS 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 (1.22)	6 (1.83)	8 (2.44)	VA	VAS	Sq. in. (Sq. cm)
VA-14	VAS-14	14.00 (356)	2.00 (51)	31.50 (800)	46.38 (1178)	14.00 (356)	22.00 (559)	78.00 (1981)	36.00 (914)	46.00 (1168)	30.00 (762)	1720 (130.3)	2580 (195.5)	3460 (262.2)	1680 (762)	1848 (838)	810 (5226)
VA-16	VAS-16	16.00 (406)	2.00 (51)	40.00 (1016)	60.00 (1524)	16.00 (406)	30.00 (762)	108.00 (2743)	48.00 (1219)	60.00 (1524)	38.00 (965)	2280 (172.8)	3420 (259.1)	4560 (345.5)	2300 (1043)	2530 (1148)	969 (6252)
VA-18	VAS-18	18.00 (457)	2.00 (51)	50.00 (1270)	66.00 (1676)	18.00 (457)	33.00 (838)	124.00 (3150)	54.00 (1372)	67.00 (1702)	44.00 (1118)	2920 (221.2)	4380 (331.9)	5840 (442.5)	3235 (1467)	3559 (1614)	1517 (9787)
VA-20	VAS-20	20.00 (508)	2.00 (51)	60.00 (1524)	72.00 (1829)	20.00 (508)	35.00 (889)	138.00 (3505)	60.00 (1524)	72.00 (1829)	50.00 (1270)	3640 (275.8)	5460 (413.7)	7260 (550.1)	5100 (2313)	5610 (2545)	1860 (12000)
VA-22	VAS-22	22.00 (559)	2.00 (51)	66.00 (1676)	78.00 (1981)	22.00 (559)	38.00 (965)	150.00 (3810)	66.00 (1676)	80.00 (2032)	56.00 (1422)	4440 (336.4)	6640 (503.1)	8860 (671.3)	6150 (2790)	6765 (3069)	2073 (13374)
VA-24	VAS-24	24.00 (610)	2.00 (51)	66.00 (1676)	78.00 (1981)	22.00 (559)	22.00 (559)	150.00 (3810)	66.00 (1676)	85.00 (2159)	56.00 (1422)	5300 (401.6)	7940 (601.6)	10580 (801.6)	6400 (2903)	6400 (2903)	2712 (17497)

NOTE: Custom sizes larger than 24" available on request



MODEL VA



MODEL VAS

*k is distance required to remove strainer

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