



Algas-SDI™

... 创新的液体气化与混气解决方案

ISO 9001
Certified

POWER-AA®

Anhydrous Ammonia Vaporizer Series - Models P150AA through P1200AA



- 为商业与工业客户安全高效的气化无水液氨及SCR应用。
- 多内核设计，延续了P系列卓越的气化能力。可并行连接能力确保了强大气化功能的实现。
- 无水电加热气化器
 - 没有腐蚀及锈蚀
 - 没有加水需求
 - 没有沉淀
 - 没有易烧坏的加热元件
- 双重安全装置确保产出干燥的过热氨气。
- 从冷启动到工作状态仅需40-50秒
- 控制及安全功能完善，无需安装额外的远程控制
- 防爆非易燃配置。
- DCS人机接口
- 专为满足加工工业需求
- 0-100%全程调节能力

技术参数

	型号	P150AA	P200AA	P300AA	P400AA	P600AA	P800AA	P1000AA	P1200AA
*气化	Lbs/hr	150	200	300	400	600	720	840	950
能力	kg/hr	68	91	136	181	272	327	382	432
热交换器	ft ²	5.5	7.1	11.0	14.2	21.3	28.4	35.5	42.6
表面积	m ²	.51	.66	1.02	1.32	1.98	2.64	3.3	3.96
压力容器	psig	250	250	250	250	250	250	250	250
设计压力	kg/cm ²	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
压力容器	psig	350	350	350	350	350	350	350	350
测试压力	kg/cm ²	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
压力容器	U.S. gallons	1.9	2.3	3.8	4.6	6.9	9.2	11.5	13.8
液体容积	liters	7.3	8.7	14.6	17.4	26.1	34.8	43.5	52.2
工作	°F	194-203	194-203	194-203	194-203	194-203	194-203	194-203	194-203
温度范围	°C	90-95	90-95	90-95	90-95	90-95	90-95	90-95	90-95
运输重量	lbs	175	240	600	730	1100	1360	1725	1990
	kg	80	109	273	331	499	617	782	902

*气化能力测定条件为华氏100度 (摄氏37.8° C)输入饱和液氨, 输出华氏15度过热氨气。更高压力或更低温度均会降低气化效率。请联系直接联系公司获得更大型号产品信息。 .

电器参数

	型号	P150AA	P200AA	P300AA	P400AA	P600AA	P800AA	P1000AA	P1200AA
电压	相数	KW AMPS		KW AMPS		KW AMPS		KW AMPS	
380	3	30 45.4	40 60.5	60 90.8	80 122	120 182	160 243	200 303	240 365
415	3	35 49.6	40 55.5	70 99.2	80 111	120 167	160 222	200 278	240 334
440	3	30 39.3	40 52.5	60 78.6	80 105	120 157	160 210	200 262	240 315
480	3	35 42.9	40 48	70 85.8	80 96.2	120 144	160 192	200 241	240 289
575	3		40 40.1		80 80.3	120 120	160 160	200 200	240 240

Features

- ◆ Meets Class I, Division 2, Group D requirements specified in NFPA Pamphlet 70.
- ◆ Thermal efficiency exceeds 97%.
- ◆ 100% Turndown capability.
- ◆ Pressure vessels designed to ASME specifications.
- ◆ ASME and UL stamped external relief valve for each core: 250 psig (17.6 kg/cm²).
- ◆ State-of-the-art microprocessor based control system with digital indicator for status/problem code display.
- ◆ Rain-tight NEMA 4X enclosure protects electrical control components.
- ◆ Easily accessible control housing allows simple maintenance.
- ◆ Float activated high liquid level safety.

- ◆ Two independent, direct monitoring, high-temperature safety shutdown devices.
- ◆ el inlet safety ◆ Economy operation.
- F/ solenoid valve.
- a capacity.
- n
- g
- e
- d
- st ◆ Wide range of available voltages: 380, 415, 440, 480, 575, 50/60hz.
- ai ◆ Complete with all operating and safety controls.
- nl
- e ◆ Ready to connect to plant facilities.
- s ◆ Automatic restart after electric power interruption.
- s
- st
- e

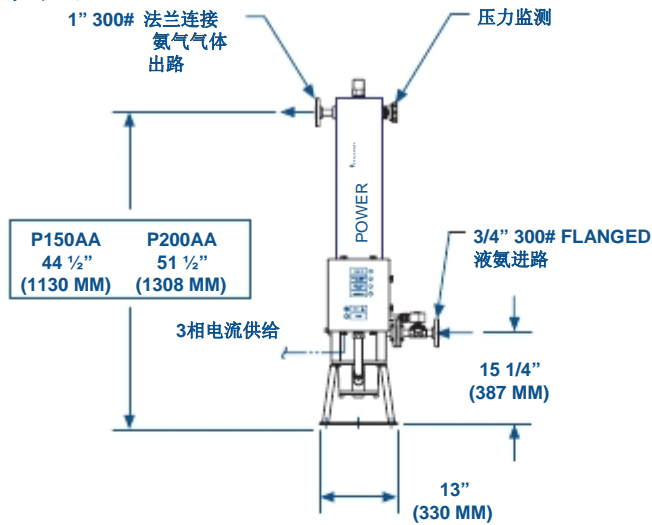
Options

- ◆ Explosion proof electrical configuration (Class I, Division 1, Group D).

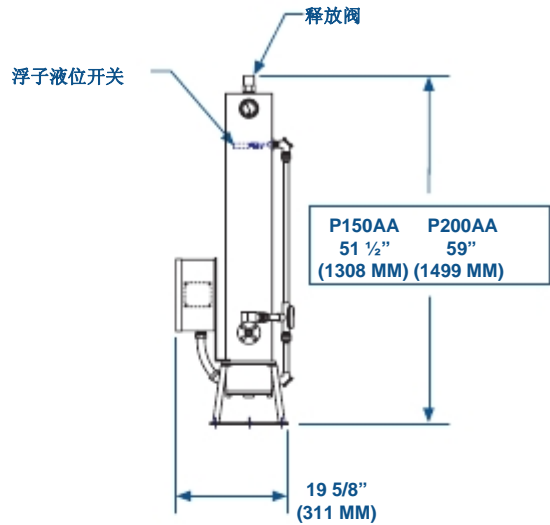
	◆	
		<i>Remote control panel.</i>
<i>insulation jacket.</i>	◆	<i>350 PSIG pressure</i>
<i>vessel</i>		<i>rating.</i>
<i>operation.</i>	◆	<i>Air actuated inlet ball valve.</i>

- ◆ *Feed Back.*
- ◆ *Minimum 15 F (8.4 C) superheat at 100%* ◆ *Remote alarm output.*
- ◆ *Vinyl coated cross linked polyethylene*
- ◆ *Pressure balanced NH₃ supply/delivery*

尺寸图

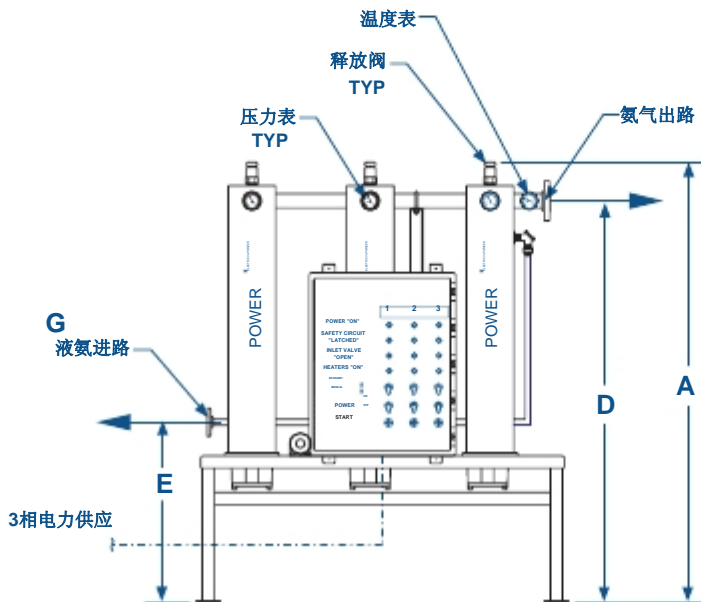


正视图

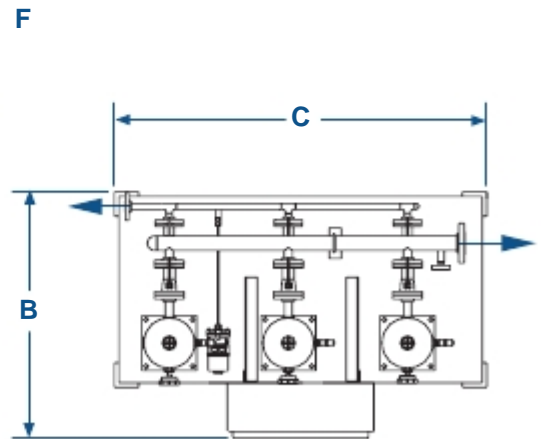


侧视图

型号	P300AA	P400AA	P600AA	P800AA	P1000AA	P1200AA
A	64 1/2" 1638 mm	72" 1828 mm	72" 1828 mm	78" 1981 mm	78" 1981 mm	78" 1981 mm
B	41" 1041 mm	41" 1041 mm	41" 1041 mm	41" 1041 mm	41" 1041 mm	41" 1041 mm
C	40" 1016 mm	40" 1016 mm	61" 1549 mm	72" 1830 mm	86" 2185 mm	100" 2540 mm
D	58 1/2" 1486 mm	66" 1676 mm	66" 1676 mm	72" 1828 mm	72" 1828 mm	72" 1828 mm
E	29 1/2" 750 mm	29 1/2" 750 mm	29 1/2" 750 mm	29 1/2" 750 mm	29 1/2" 750 mm	29 1/2" 750 mm
F	2" - 300# FLG	2" - 300# FLG	2" - 300# FLG	2" - 300# FLG	2" - 300# FLG	2" - 300# FLG
G	1" - 300# FLG	1" - 300# FLG	1" - 300# FLG	1" - 300# FLG	1" - 300# FLG	1" - 300# FLG

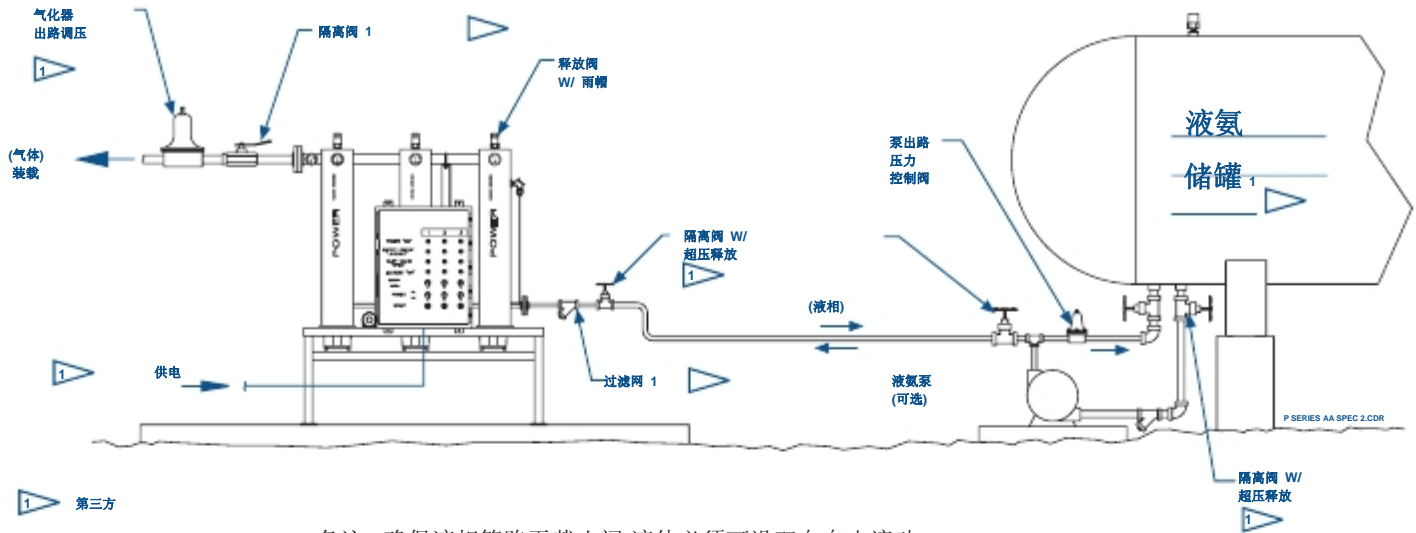


正视图



顶视图

在奥盖斯森迪公司产品的持续改进是长期的工作目标。设计细节的改进恕不另行通知客户。



备注: 确保液相管路无截止阀;液体必须可沿双向自由流动..

Properties of Ammonia

	Anhydrous Ammonia
Chemical Formula	NH_3
Molecular Weight	17.031
Latent Heat of Vap @ Boiling Point & 1 ATM, BTU/lb	589.3
Ignition Temperature, °F	1562
Flamability Limits (Percent In Air, By Volume)	16-25%
Boiling Point, °F (1 ATM)	-29
Specific Gravity of Gas (Air=1.00)	.588
Specific Gravity of Liquid (Water=1.00)	.618
Lbs. Per Gallon of Liquid at 60°F	5.15
Cubic Ft. of Vapor at 60°F/Gallon of Liquid at 60°F	114.9
Cubic Ft. of Vapor at 60°F/lb. of Liquid at 60°F	22.3



POWER®是Algas-SDI公司注册商标

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