

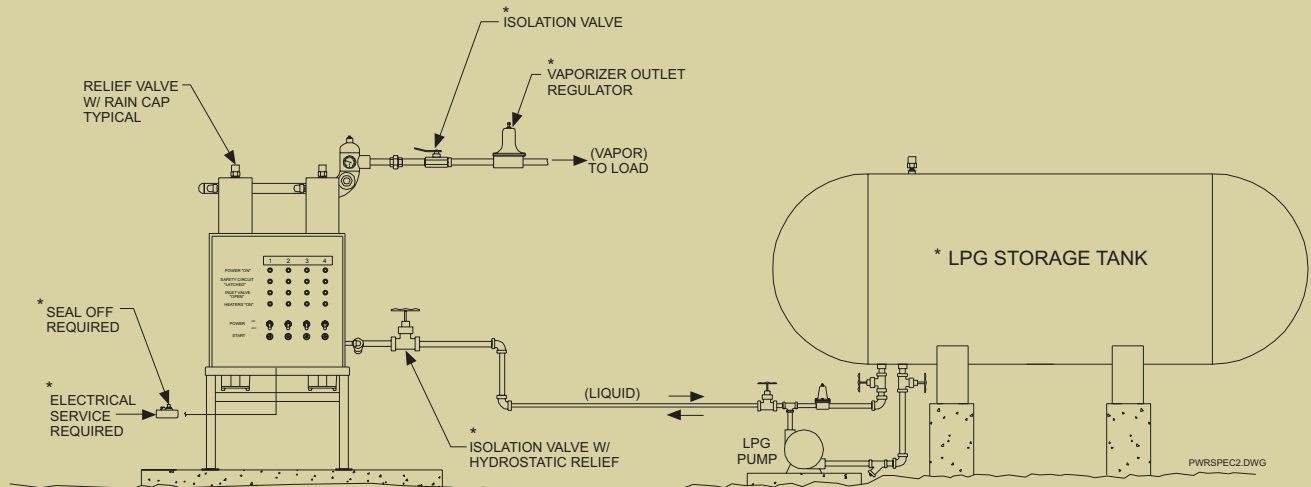


# POWER<sup>®</sup>

LPG Vaporizer

# POWER

the power of innovation



NOTE: NO CHECK VALVES IN LIQUID LINE; LIQUID MUST BE ABLE TO FLOW IN BOTH DIRECTIONS.

## Power series vaporizers safely and efficiently vaporize LPG for Commercial, Industrial, and Utility applications

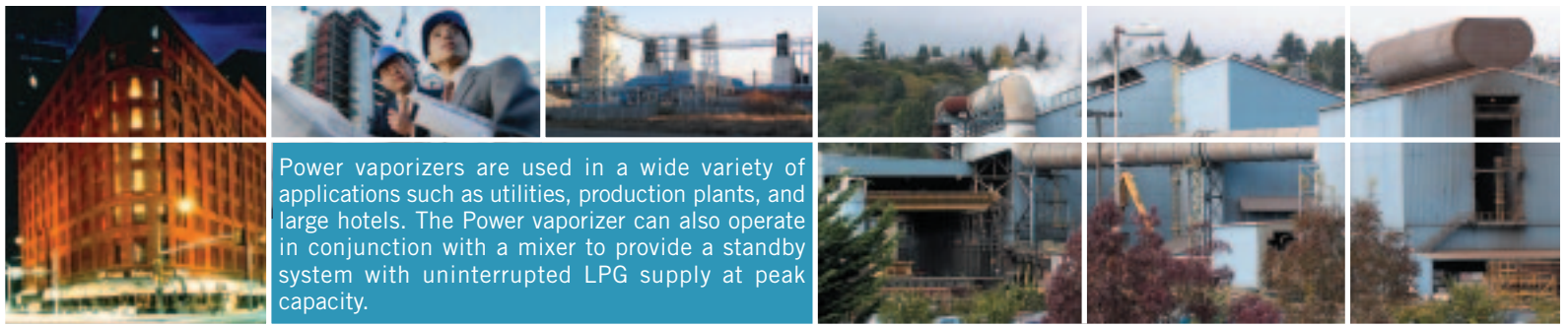
### Features

- No water required, no corrosion or rust, no monitoring or refilling of liquids.
- Requires only 45 seconds to reach operating temperature from a cold start.
- Meets Class 1, Division II, Group D requirements specified in NFPA pamphlets 58 and 70.
- Pressure vessel designed to ASME specifications.
- UL stamped external relief valve for each core: 250 psig/17.6 kg/cm<sup>2</sup>.
- State of the art microprocessor based control system with digital indicator for status/problem code display.
- Rain tight NEMA 4 enclosure with status lights protects electrical control components.

- Thermal efficiency exceeds 97%.
- 100% turndown capability.
- Float activated high liquid level safety.
- Two independent, direct monitoring, high temperature safety shutdown devices.
- Integral inlet safety solenoid valve.
- Minimum 15F/8.4 C superheat at 100%.
- Cross linked polyethylene insulation jacket.
- Pressure balanced LPG supply/delivery operation.
- Wide range of available voltages: 380V, 415V, 440V, 480V, 575V, 50/60HZ.
- Complete with all operating and safety controls.
- Ready to connect to plant facilities.
- Automatic restart after electrical power interruption standard on Class 1, Division II, Group D units.

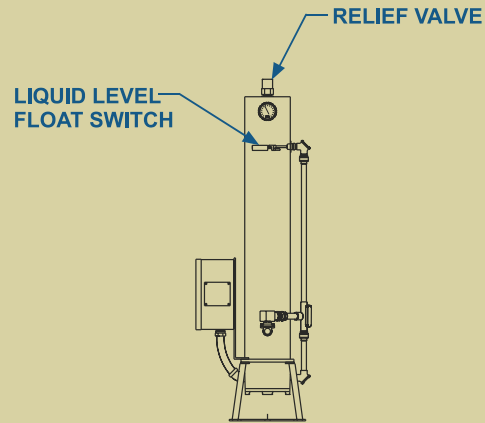
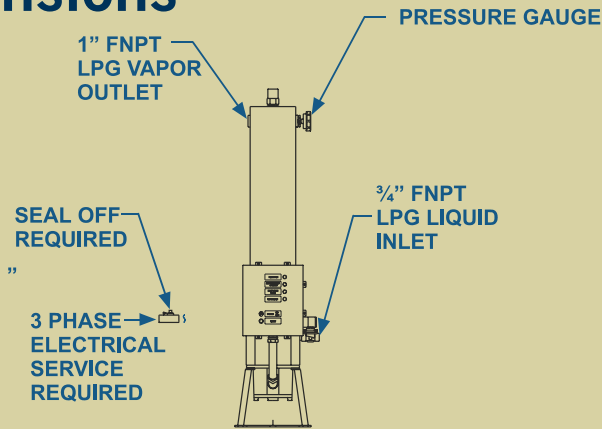
### Options

- Explosion proof electrical configuration (Class 1, Division I, Group D).
- Auto Restart.
- Economy operation.
- Remote alarm output.
- Remote control panel.
- Valve & Strainer Package.



Power vaporizers are used in a wide variety of applications such as utilities, production plants, and large hotels. The Power vaporizer can also operate in conjunction with a mixer to provide a standby system with uninterrupted LPG supply at peak capacity.

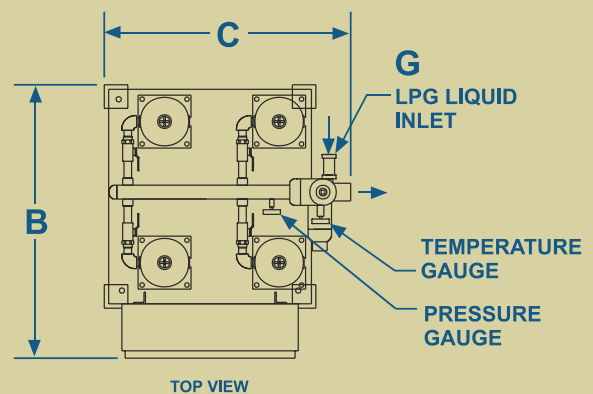
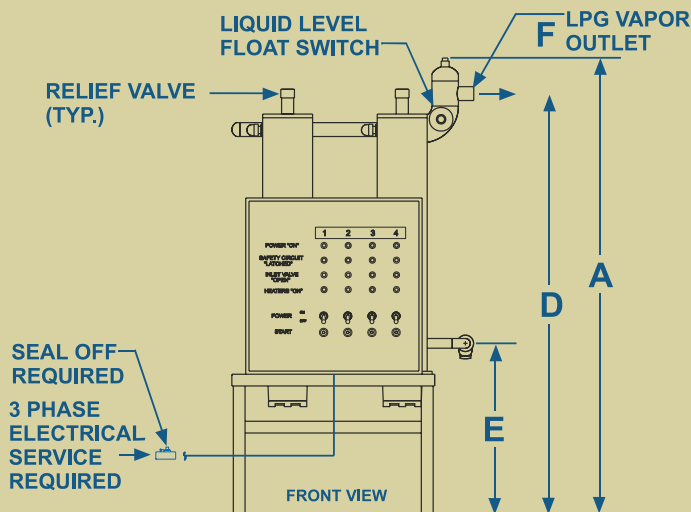
# Dimensions



**FRONT VIEW**

**SIDE VIEW**

MODEL	P320	P480	P640	P800	P960
<b>A</b>	72" 1828mm	72" 1828mm	78" 1981mm	78" 1981mm	78" 1981mm
<b>B</b>	33 3/4" 857mm	46 1/4" 1174mm	46 1/4" 1174mm	46 1/4" 1174mm	46 1/4" 1174mm
<b>C</b>	39 1/2" 1003mm	39 1/2" 1003mm	42" 1066mm	61 1/4" 1555mm	61 1/4" 1555mm
<b>D</b>	66" 1676mm	66" 1676mm	72" 1828mm	72" 1828mm	72" 1828mm
<b>E</b>	29 1/2" 750mm	29 1/2" 750mm	29 1/2" 750mm	29 1/2" 750mm	29 1/2" 750mm
<b>F</b>	2" FNPT	2" FNPT	2" FNPT	2" FNPT	2" FNPT
<b>G</b>	1" FNPT	1" FNPT	1" FNPT	1" FNPT	1" FNPT





# SPECIFICATIONS

	MODEL	P320	P480	P640	P800	P960
<b>Nominal</b>	U.S. gallon/hr	320	432	544	640	720
<b>*Vaporization Capacity</b>	kg/hr	614	829	1044	1228	1382
	lbs/hr	1354	1827	2300	2707	3046
	Million BTU/hr	29.0	39.3	49.5	58.3	65.6
	Million kcal/hr	7.30	9.90	12.5	14.7	16.5
<b>Heat Exchanger Surface Area</b>	ft <sup>2</sup>	14.2	21.3	28.4	35.5	42.6
	m <sup>2</sup>	1.32	1.98	2.64	3.3	3.96
<b>Pressure Vessel Design Pressure</b>	psig	250	250	250	250	250
	kg/cm <sup>2</sup>	17.6	17.6	17.6	17.6	17.6
<b>Pressure Vessel Test Pressure</b>	psig	375	375	375	375	375
	kg/cm <sup>2</sup>	26.3	26.3	26.3	26.3	26.3
<b>Pressure Vessel Liquid Capacity</b>	U.S. gallons	4.6	6.9	9.2	11.5	13.8
	liters	17.4	26.1	34.8	43.5	52.2
<b>Operating Temp. Range</b>	F	194-203	194-203	194-203	194-203	194-203
	C	90-95	90-95	90-95	90-95	90-95
<b>Shipping Weight</b>	lbs	700	1050	1300	1650	1900
	kg	318	477	590	749	863

\*Vaporization capacity ratings at 100 psig (7.0 kg/cm<sup>2</sup>) and at 0°F (-17.8°C) liquid propane with full rated voltage. Higher pressures or lower temperatures will decrease the capacity accordingly. Vaporization capacity ratings vary relative to input and rated voltage.

**For more information, contact your ASDI distributor or factory Customer Service (USA) representative.**

## Electrical

	MODEL	P320		P480		P640		P800		P960	
VOLTAGE	PHASE	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS
380	3	80	119.4	120	179.1	160	238.8	200	298.5	240	358.2
415	3	80	109.6	120	164.4	160	219.2	200	274	240	328
440	3	80	103.4	120	155.1	160	206.8	200	258.5	240	310.2
480	3	80	94.8	120	142.2	160	189.6	200	237	240	284.4
575	3	80	78.8	120	118.2	160	157.6	200	197	240	236.4



151 South Michigan Street  
 Seattle, Washington, 98108  
 Phone: 206.789.5410  
 Fax: 206.789-5414  
 www.algas-sdi.com