



# Algas-SDI™

...Innovative liquid vaporizing and gas mixing solutions

ISO 9001  
Certified



## PowerXP

Vertical electric single core vaporizer; Models XP12.5 through XP80

- **Waterless electric vaporizer:**

- No corrosion.
- No refilling.
- No sediment.
- No burnt-out heater elements.

- **Explosion proof design:**

- Can be mounted next to tank or building - no distance requirements.
- Saves real-estate.
- Safe!

- **No flame or pilot.**

- **Works in any weather.**

- **Self contained:**

- Requires no additional remote mounted controls for operation.
- Complete with all controls and safeties.

- **Instant operation:**

- Requires only 45 seconds to reach operating temperature from a cold start.

## Specifications

	MODEL	XP12.5	XP25	XP50	XP80
<b>Nominal</b>	U.S. gallons/hr	12.5	25	50	80
<b>*Vaporization Capacity</b>	kg/hr	25	50	100	160
	lbs/hr	55	110	220	352
	Million BTU/hr	1.14	2.28	4.55	7.28
	Million kcal/hr	.28	.57	1.14	1.83
<b>Heat Exchanger Surface Area</b>	ft <sup>2</sup>	2.9	2.9	2.9	4.3
	m <sup>2</sup>	.27	.27	.27	.40
<b>Pressure Vessel Design Pressure</b>	psig	250	250	250	250
	kg/cm <sup>2</sup>	17.6	17.6	17.6	17.6
<b>Pressure Vessel Test Pressure</b>	psig	375	375	375	375
	kg/cm <sup>2</sup>	26.3	26.3	26.3	26.3
<b>Pressure Vessel Liquid Capacity</b>	U.S. gallons	.95	.95	.95	1.6
	liters	3.61	3.61	3.61	6.0
<b>Operating Temperature Range</b>	°F	160-175	160-175	160-175	160-175
	°C	71-79	71-79	71-79	71-79
<b>Electrical Classification</b>	Class I, Division 1, Group D				
<b>Shipping Weight</b>	lbs	90	90	90	120
	kg	41	41	41	54

\* 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 different temperatures will decrease the capacity accordingly.

Vaporization capacity ratings vary relative to input and rated voltage.

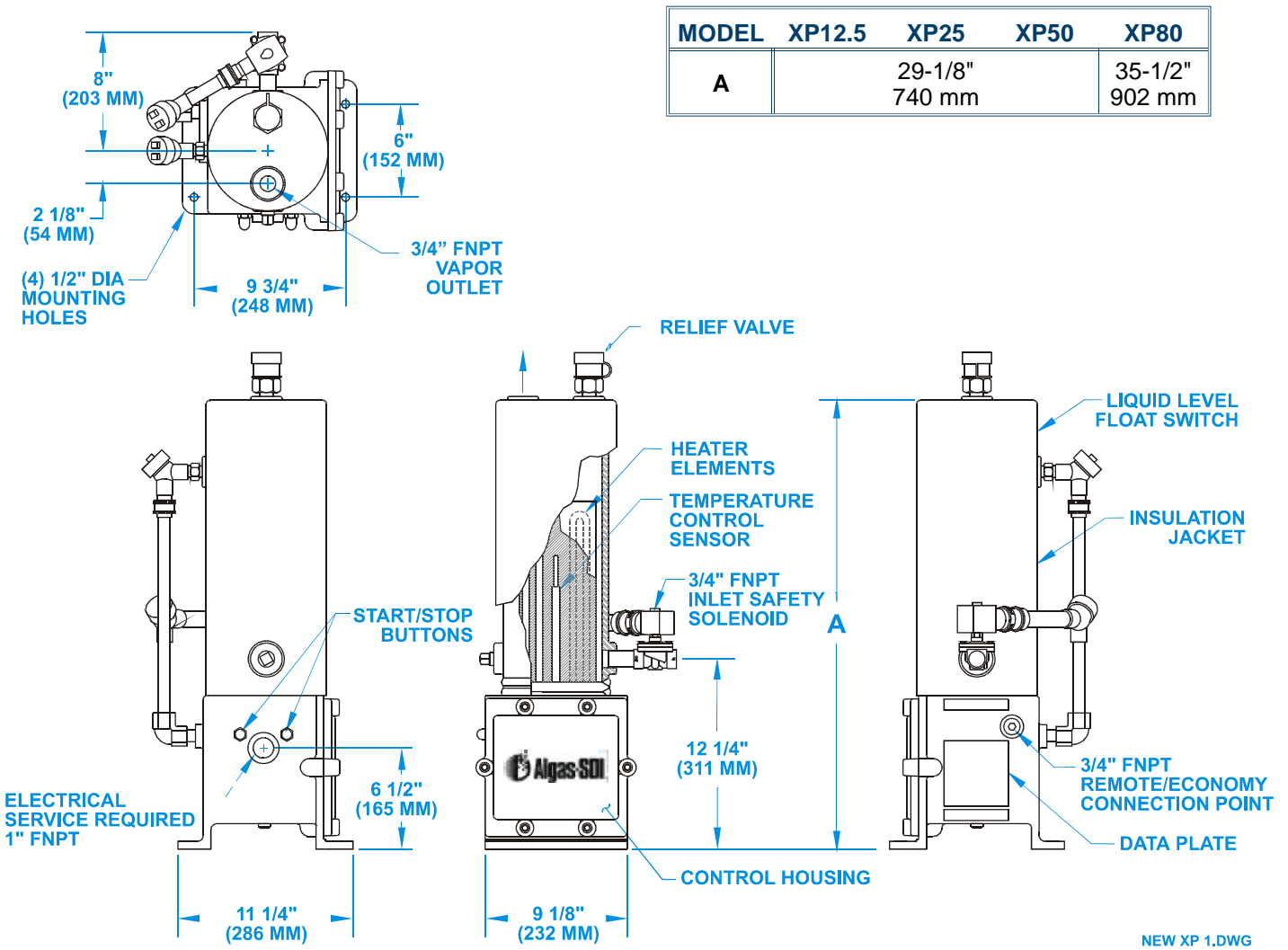
**For more information, contact your ASDI distributor or factory Customer Service (USA) representative.**

## Electrical

	MODEL	XP12.5		XP25		XP50		XP80	
VOLTAGE	PHASE	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS
120	1	3.9	32.5						
208	1	2.9	14.1	5.9	28.1	11.7	56.2		
	3				16.3	32.5	17.8	49.6	
220	1	3.3	14.9	6.5	29.7	13.1	59.5		
	3				17.2	34.4	20.0	52.4	
240	1	3.9	16.2	7.8	32.4	13.0	54.0		
	3				18.8	15.6	37.5	23.8	57.3
380	3			6.5	9.9	13.1	19.9	20.0	30.3
415	3			7.7	10.8	15.6	21.7	23.8	33.1
440	3					13.1	17.2	20.0	26.3
480	3					15.6	18.8	23.8	28.7
575	3								

All models are 50/60 Hz.

# Dimensions



## Features

- ◆ Explosion Proof configuration meets Class I, Division 1, Group D as defined by NFPA pamphlet 70.
- ◆ Pressure vessel designed to ASME specifications.
- ◆ UL stamped external relief valve: 250 psig (17.6 kg/cm<sup>2</sup>).
- ◆ 100% turndown capability.
- ◆ "Slide-in" PC board with quick connect fittings.
- ◆ Direct monitoring high temperature RTD sensors for operation and over temperature protection.

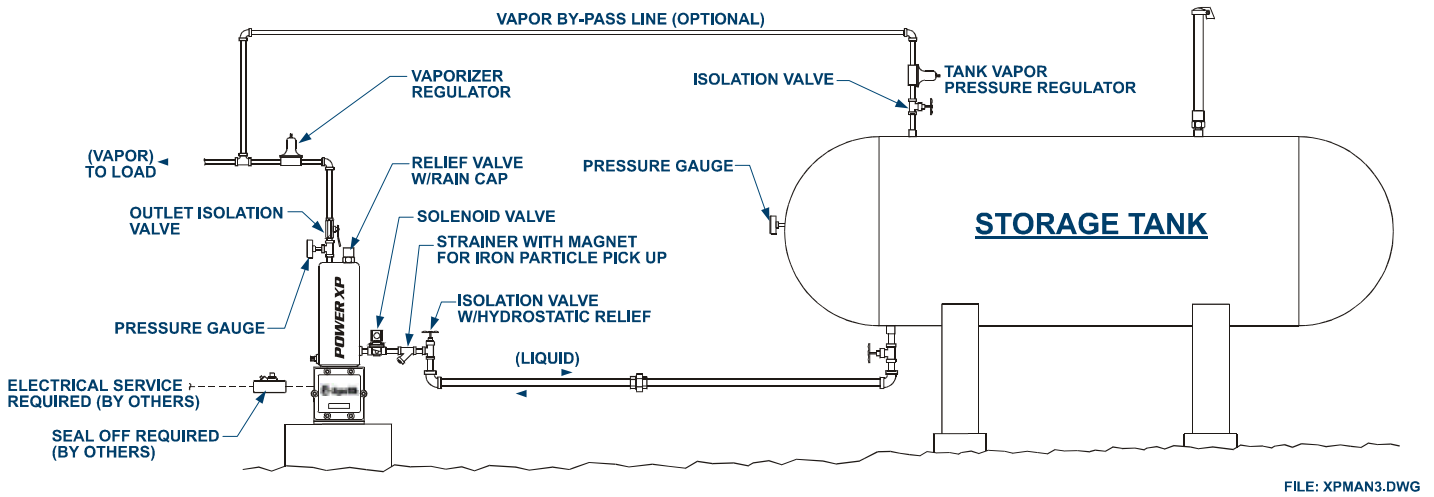
- ◆ Float activated high liquid level safety.
- ◆ Vinyl coated cross-linked polyethylene insulation jacket.
- ◆ Pressure balanced LPG supply/delivery operation.
- ◆ Compact footprint size of approximately 1ft<sup>2</sup> [.09m<sup>2</sup>].
- ◆ Worldwide voltages available in 50/60 Hz. Factory tested.

## Options

- ◆ Auto Restart.
- ◆ Economy Operation.
- ◆ Remote Control Panel.
- ◆ Valve & Strainer Kit.
- ◆ Downstream PRV.

NOTES

- 1) LIQUID PIPING LOSSES MUST NOT EXCEED THE HYDROSTATIC HEAD WHEN THE PUMP IS SHUT OFF.
- 2) NO CHECK VALVES IN LIQUID LINE; LIQUID MUST BE ABLE TO FLOW BOTH DIRECTIONS.



Note: No check valves in liquid line; liquid must be able to flow in both directions.

**POWER®** is a registered U.S. trademark of **Algas-SDI**.



**Your ASDI distributor:**

Power Equipment Company  
2011 Williamsburg Road  
Richmond, VA 23231

Tel: 804-236-3800  
Fax: 804-236-3882

www.peconet.com



Form: XP0101