

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 - longer product life.
- No refilling - low maintenance, fewer parts, lower costs, minimum down time.
- No sediment - increased reliability.
- 98% thermal efficiency.

● **Explosion proof design:**

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

● **No flame or pilot.**

● **Works in any climate.**

- Rated to -40 F/ -40 C.
- Perfect for 100% propane to 100% butane.

● **Self contained:**

- Requires no additional remote mounted controls for operation.
- Complete with all controls and safeties.
- Small footprint - saves space.

● **Instant operation:**

- Requires only 45 seconds to reach operating temperature from a cold start.
- On demand heating cycle.
- Excellent for portable applications such as construction site heating.

Specifications

	MODEL	XP12.5	XP25	XP50	XP80
Nominal	U.S. gallons/hr	12.5	25	50	80
*Vaporization Capacity	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
Heat Exchanger Surface Area	ft ²	2.9	2.9	2.9	4.3
	m ²	.27	.27	.27	.40
Pressure Vessel Design Pressure	psig	250	250	250	250
	kg/cm ²	17.6	17.6	17.6	17.6
Pressure Vessel Test Pressure	psig	375	375	375	375
	kg/cm ²	26.3	26.3	26.3	26.3
Pressure Vessel Liquid Capacity	U.S. gallons	.95	.95	.95	1.6
	liters	3.61	3.61	3.61	6.0
Operating Temperature Range	°F	160-175	160-175	160-175	160-175
	°C	71-79	71-79	71-79	71-79
Electrical Classification	Class I, Division 1, Group D				
Shipping Weight	lbs	90	90	90	120
	kg	41	41	41	54

* Vaporization capacity ratings at 100 psig (7.0 kg/cm²) and at 0°F (-17.8°C) liquid propane with full rated voltage. Higher pressures or lower temperatures may decrease the capacity accordingly.

Vaporization capacity ratings vary relative to input and rated voltage.

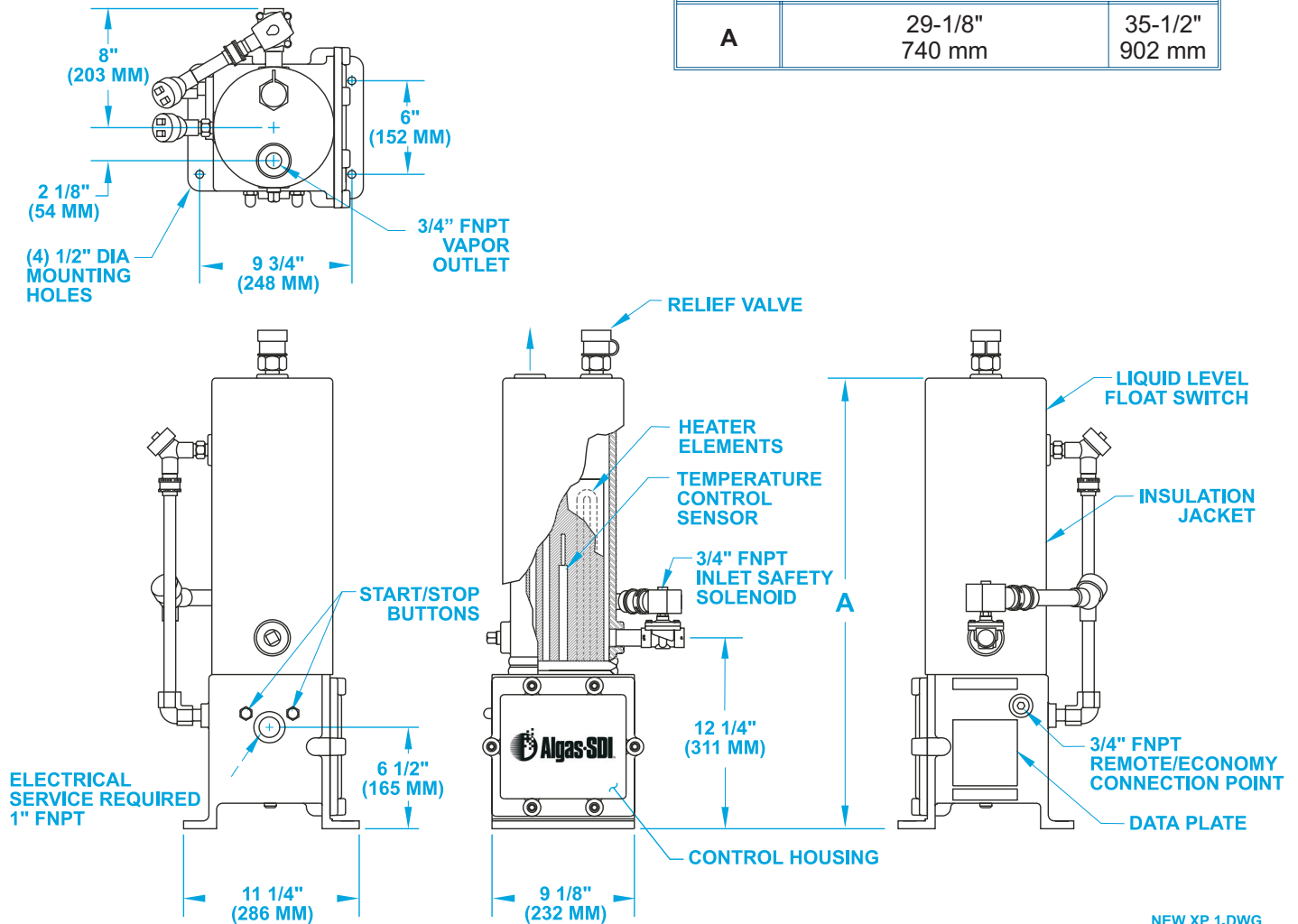
For more information, contact your ASDI distributor or factory Customer Service (USA) representative.

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

Dimensions

MODEL	XP12.5	XP25	XP50	XP80
A		29-1/8" 740 mm		35-1/2" 902 mm



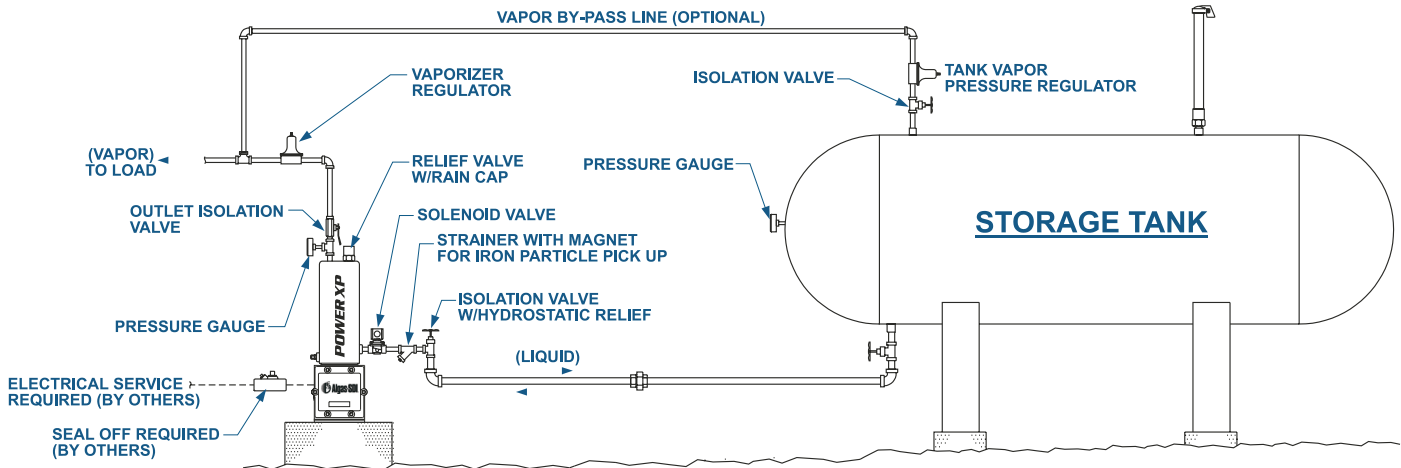
NEW XP 1.DWG

Features

- ◆ Explosion Proof configuration meets Class I, Division 1, Group D as defined by NFPA pamphlet 70.
- ◆ Pressure vessel designed to ASME/CE specifications.
- ◆ UL/CE stamped external relief valve: 250 psig (17.6 kg/cm²).
- ◆ 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 1ft² [0.09m²].
- ◆ Worldwide voltages available.
- ◆ Factory tested.
- ◆ All models 50/60Hz
- ◆ Mechanical heat limiters ensure no overheating.

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.



FILE: XPMAN3.DWG

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

Options

◆ Filtaire

The Filtaire is a filtering device designed to trap heavy hydro-carbons commonly found in LPG vapor.

◆ Pipe Away Adapter

Connects to the vaporizer allowing you to pipe away the relief valve in the event of a discharge.

◆ Auto Re-start

In the event of a power interruption, the vaporizer will re-start automatically when power is restored.

◆ Economy

Shuts off vaporizer when natural vaporization of the tank can meet the demand. ***Must order auto re-start when the economy option is ordered.***

◆ Remote Control Box

Provides a means of controlling the vaporizer from a remote location up to 425 ft. Away. The control panel includes on, off, and alarm silence buttons with indicators for operational status and alarm. Intended for indoor use. ***Can not be used with auto restart or economy options.***

◆ Valve and Strainer Package

Includes : inlet strainer with magnetic plug, inlet shut-off angle valve, hydrostatic relief valve, outlet shut-off ball valve and an outlet pressure gauge.

◆ XP Stand

Raises the unit approximately 1 foot off the ground for ease of control box access and removes unit from the elements surrounding it on the ground.



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Your ASDI distributor:

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Form: XP0101