

HP²[™]

HIGH PRESSURE - HIGH PERFORMANCE

An integrated state-of-the-art system, including an HP²[™] tank, a multi-function vaporizer and advanced control technology for delivering high-pressure high-performance gas flow. With our performance, you get pressure building recovery in 10 minutes or less at 95% full. Pressure is easily adjustable to within 50 psi/3.4 bar of tank MAWP. Flow rates up to 12,500 scfh/328 Nm³H. The rattler valve (attached to the vaporizer) ensures sustained vaporizer performance and the HP²[™] is available in sizes from 900 gallons/3,406 liters and larger.

CUT OPERATING COSTS

- Reduces deliveries by up to 36%
- Reduces delivery time by up to 33%
- Increases actual storage capacity by 27% or reduces needed tank size
- Reduces service calls and maintenance
- Telemetry ready
- Easy to configure and install

IMPROVE CUSTOMER SATISFACTION

- Reduces customer downtime by up to 86%... or to zero with optional fill assist unit
- Cuts blow-down and venting losses and increases holding time
- Builds operating pressure in minutes
- Gives precision pressure control and eliminates regulator pressure creep
- Reduces space required to provide the same gas flow rates
- Easy to adjust pressure settings and contents alarms – truly user-friendly
- Supplies warmer outlet gas



Patent No. 6,799,429



Innovation. Experience. Performance.®

HP²™

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GENERAL	
Pressure Building / Recovery Time	10 min or less at 95% full – 150 psi / 10.3 bar to 450 psi / 31 bar
Net Storage Capacity of Tank *	95% of gross tank capacity *
Pressure Control (Using Pressure Switch)	Adjustable to within 50 psi of MAWP – 3 alerts
Liquid Level Alarms (Using Tank-Tel® Gauge)	Adjustable in 5% increments – 3 alerts
Options	Fill Assist Unit, HP ² Retrofit Kits, and Dual Vaporizers

HP ² ™ TANK (See VS High Pressure Bulk Station literature)	Net Capacity * (gal. / liters)	MAWP (psi / bar)
VS-900SC	850 / 3,218	400 / 27.6 or 500 / 34.5
VS-1500SC	1,580 / 5,981	400 / 27.6 or 500 / 34.5
VS-3000SC	3,030 / 11,470	400 / 27.6 or 500 / 34.5
VS-6000SC	5,770 / 21,842	400 / 27.6 or 500 / 34.5
Larger High-Pressure Tanks	Contact Chart	Contact Chart

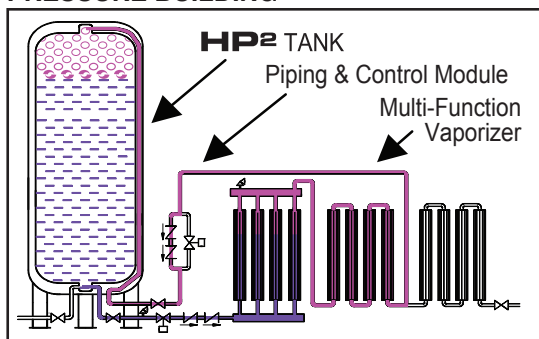
CONTROL / INSTRUMENTATION **	
Power Requirement	110 VAC x 5 Amp
Pressure and Contents Measurement	Tank-Tel – telemetry ready (see Tank-Tel literature)

PIPING & CONTROL MODULE **	
Gas Supply Requirement	Clean Dry Nitrogen or Air (Dew Point -40°F) at 100 psi / 6.9 bar
Ball Valves	2 x Pneumatic Operated
Piping	3/4" Nominal Copper Tubing
Inlet and Outlet Connections	7/8" ODT Compression
Dimensions L x W x H (in. / mm)	44 x 26 x 31 / 1,120 x 660 x 790

MULTI-FUNCTION VAPORIZER (Ambient) **	3.5 K Model	7.5 K Model	12.5 K Model
Rated Flow Capacity (scfh / Nm ³ H) ***	3,500 / 92	7,500 / 197	12,500 / 328
Design Pressure (psi / bar)	600 / 41	600 / 41	600 / 41
Overall Height (in. / mm)	132 / 3,353	132 / 3,353	156 / 3,962
Length / Width (in. / mm)	35 x 27 / 889 x 686	35 x 50 / 889 x 1,270	47 x 50 / 1,194 x 1,270
Rattler Valve for Snow and Ice Removal	Optional	Included	Included

Footnotes: Specifications are subject to change without prior notification. *HP² tanks can be filled to 95% of gross capacity. For traditional high-pressure bulk tanks the recommended fill level is only 75% of gross capacity. **Components used in the HP² Retrofit Kit for converting existing high-pressure tanks to HP² technology. ***Flow rate based on nitrogen under standardized conditions with minimum 1" liquid feed and gas return lines.

PRESSURE BUILDING



GAS SUPPLY

