



**Taylor-Wharton**  
Since 1742

## S4A Series

### Ambient Vaporizers – High Pressure / Cylinder Filling

Taylor-Wharton ambient aluminum high pressure vaporizers are designed for the majority of cylinder filling applications. Designed to perform with the most popular cryogenic pump flow rates, and for intermittent or continuous duty cycles. The standard range has two pressure options (a) 320 barg or (b) 420 barg. Energy efficient, with 25+ years proven performance across a vast array of industries. We also design and manufacture an array of special purpose high pressure purge vaporizer units. Contact us today with your requirements.

Flow rates are based on 4 - 8 hour duty cycle, ambient temperatures of 21 °C, nitrogen with relative humidity at 70% and a gas approach temperature of 10 °C. Please contact us for different conditions.

A range of inner tube liners are available. The most popular being 316 stainless steel and Monel. Optional fin sizes and fin numbers are available, with varying spacing's. We ensure the right combination to suit your application.



MODEL	FLOW RATE Nm <sup>3</sup> /h*	L	W	H	CONNECTIONS		WEIGHT
		in mm			Inlet	Outlet	Approx. Kg
S4A-HP16	160	950	800	2800	1/2"	NPTF	125
S4A-HP32	330	1600	950	2800	1/2"	NPTF	245
S4A-HP40	410	1200	1350	2800	3/4"	NPTF	280
S4A-HP44	450	2000	950	2800	3/4"	NPTF	320
S4A-HP50	520	1600	1350	2800	3/4"	NPTF	380
S4A-HP60	650	2000	1350	2800	3/4"	NPTF	490

The tables are for reference and information purposes, actual dimensions and other data may vary due to other unidentified parameters.



## Our Products Include:



### Vaporizers

- Ambient
- Fan forced
- Steam heated
- Electrically heated
- Water heated
- Stainless / Monel lined
- High pressure cylinder filling
- Special purpose vaporizers



### Vacuum jacketed piping

- Gas vents
- Gas phase separators
- Vent heaters
- Auto-fill systems
- ½" to 6" standard designs with bayonet joints
- Welded connections available in all sizes
- Flexible vacuum jacketed hoses



### Cryogenic piping skids and panels

- Gas mixing
- Flow measurement
- Pressure regulation
- Cylinder filling systems
- Cryogenic pump skids

**Call us today for more details on our great range of products and services !!**



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