

# Passivated Flash Vaporizer - Pressure Regulator FOR LIQUID CO<sub>2</sub> VAPORIZATION & SAMPLING OPERATIONS

## KEY BENEFITS

- Rugged, compact, SilcoTek® passivated Liquid CO<sub>2</sub> Flash vaporizer - pressure regulator (VPR) designed to properly perform routine **ISBT/CGA/EIGA** sampling functions. SilcoTek® passivation prevents wall-adsorption or thermocatalytic - decomposition problems that can be experienced with volatile sulfur compounds & other important LCO<sub>2</sub> impurities.
- The VPR-HF series is used for several routine **No-Haz** sampling applications (ex. Flash Vaporized sample transfers into gas sampling bags or minicyls) or to supply vaporized sample gas from large storage containers to analyzer systems via transfer lines.
- VPR-HF models can be equipped with 1/4" or 3/8" compression (tube) inlet ports, or special male high flow quick connect fittings. All models include a internal flow control orifice, 1,900 psig (13,100 kPag) pressure relief assembly, thermal core insulation, protective heat shield case, passivated pressure regulator & outlet ball valve.

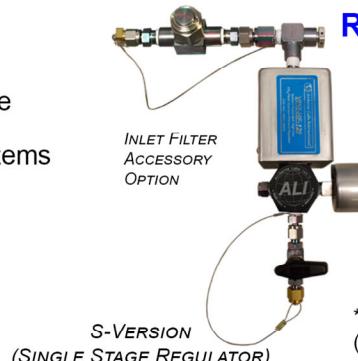
### VAPORIZER PRESSURE REGULATOR - ANGLE



A-VERSION  
(DUAL STAGE REGULATOR)

- For connecting small sample cylinders (ex. 1L) to test equipment or analytical systems (1/4" inlet recommended).

### VAPORIZER PRESSURE REGULATOR - STRAIGHT



S-VERSION  
(SINGLE STAGE REGULATOR)

- For temporary outdoor connections to rail car, storage tank, tank truck, or 20 lb. / 5.9L sample cylinders for **No-Haz** based sampling programs (Quick Connect or 3/8" inlet is recommended).

\*Non-passivated models are also available  
(VPR-HF-120-S100-SS / VPR-HF-230-S100-SS)

Model No.:	VPR-HF-120-025A-P	VPR-HF-230-025A-P	VPR-HF-120-S100-P	VPR-HF-230-S100-P	VPR-HF-120-S100-SS	VPR-HF-230-S100-SS
Power Usage:	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps
Delivery Pressure / Stage:	0-25 psig* / Dual Stage	0-25 psig* / Dual Stage	0-100 psig* / Single Stage	0-100 psig* / Single Stage	0-100 psig* / Single Stage	0-100 psig* / Single Stage
Model No.:	VPR-HF-120-100A-P	VPR-HF-230-100A-P	VPR-HF-120-S025-P	VPR-HF-230-S025-P	VPR-HF-120-S025-SS	VPR-HF-230-S025-SS
Power Usage:	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps	120V, 50/60Hz 200 Watts, 1.67 Amps	230V, 50/60Hz 200 Watts, 0.90 Amps
Delivery Pressure / Stage:	0-100 psig* / Dual Stage	0-100 psig* / Dual Stage	0-25 psig* / Single Stage	0-25 psig* / Single Stage	0-25 psig* / Single Stage	0-25 psig* / Single Stage



**Airborne Labs International**

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