

**Designed for Butane/Propane Extraction****Model ZB04 Pneumatic Gas Booster 4:1 Piston Pump**

**ZB04 pumps are designed for safe and effective LPG vapor recovery during botanical herbal oil extraction using light hydrocarbon solvents.**

**ZB04 pumps are suitable for pumping liquefied petroleum gas (LPG: butane, propane and mixtures) with stainless steel and Viton wetted parts.**

Pneumatic pumps are powered by compressed air from an external source. The air compressor is located outside any hazardous location and just the air is piped to the pump. With proper grounding, the ZB04 pump is intrinsically safe for pumping LPG.

A gas booster pump adds to the gas inlet pressure. A 4:1 pump boosts the gas pressure 4 PSI for every 1 PSI of driving air pressure. A gas inlet vapor pressure of 75 PSI and driving air pressure of 40 PSI will produce up to a 235 PSI gas outlet pressure. The ZB04 is rated up to 1250 PSI — be sure not to over-pressurize the tank.

The air compressor must supply up to 35 SCFM of air at 60 PSI; use minimum 3/4" airline. The ZB04 will pump up to 20 cubic inches per cycle — actual volume and cycles per minute will vary based on the driving air and process gas pressures. The air needs to be dry and clean (use at least 40 micron filter). LPG temperatures below 40°F may reduce pump life and performance.

Weight: 36 LBS; Noise: <75 dB

