Blackhawk's V-2 Elevated-Temp Pneumatic Piston Pump is specially designed to handle elevated temperature pumping of virtually any fluid, regardless of chemical composition, from 150°F to 300°F (65°C to 120°C).* The Model 102 pump maintains steady flows of 5 gallons per minute to depths of 243 feet. Model 101 pumps to 2 gpm at 555 feet. Maximum speed is 40 full strokes (up and down) per minute. Optimal speed for long pump life is 20 strokes per minute.

The V-2 Elevated-Temp is a reciprocating-rod, positive-displacement piston pump powered by industrial-quality compressed air. The motor is a surface grade, above the wellhead, allowing simplified installation and maintenance. Power is direct from the surface to the sucker-rod assembly. No air enters the well or contacts the pumped fluid. Fluid inlet is at pump bottom intake and removes fluid to 0 submergence depth.

*For landfills below 150°F, use standard Blackhawk pneumatic, electric or solar models. Above 300°F, contact Blackhawk to customize pumps with ultra-high-temperature components.
MODEL 102: Flows to 5 US gpm

**Performance Data**
- **Operating Depth**: 243 ft. (74 m)
- **Flow Range**: To 5 US gpm, 7,200 gpd; (18.9 lpm, 27,250 lpd)
- **Recommended Discharge Pressure**: 50 psig
- **Maximum Lift**: 243 feet of water
- **Strokes per Minute**: 5 - 40
- **Max. Strokes per Minute**: 40
  (variable speed control adjusts to well conditions; liquid drawn down to top of screen)
- **Discharge per Stroke**: .125 US gal / .48 liter
- **Temperature Range**: 150°F to 300°F / 65°C to 120°C

**Technical Data**
- **Max. External Diameter**: 2.9 in. (7.37 cm)
- **Total Cylinder Length**: 38 in. (96.5 cm)
- **Connection To Riser Pipe**: 2 in. (5.08 cm)
- **Recommended Internal Bore-Hole Diameter**: 3 to 4 in. (7.62 cm to 10.16 cm) or greater
- **Weight Of Cylinder**: 10 lb. (4.53 kg)
- **Discharge Size**: 2 in. (5.08 cm) NPT
- **Installation**: Any angle from vertical to horizontal
- **Driver Weight**: 35 lbs. (15.8 kg)
- **Driver Rod Weight**: 12 lbs. per 100 feet (3.7 kg per 100 m)
- **Foot Valve Assembly Weight**: 10 lb. (4.53 kg)
- **Min. Well Casing Size**: 3 in. (7.62 cm)
- **Pneumatic Air Connection**: 3/8 in NPT, 3/8 in. OD tubing

**Available Options**
- Drive-rod auto oiler
- Pressure-relief valve
- Programmable pneumatic timer
- Cylinder oiler & filter regulator
- Flow meter
- Pneumatic cylinder counter
- Well seals & kits
- Factory-fresh seal replacements
- Factory driver-refurbishment program

Visit www.blackhawkco.com to see why motors above the wellhead mean less-costly, more compliant, safer operations.

The best-performing environmental pump in the business