Apollo-AC Electric Piston Pump™

PRODUCT OVERVIEW

Operational Depth: Up to 230 ft., / 70 m
Flow Range: Up to 3.0 gpm / 11.0 lpm
Well-Casing Size: Minimum 2 in./4.85 cm
Drive Motor: 3/8 hp

Applications
- Landfill leachate
- Gas-well dewatering
- Condensate sump
- Low-flow environments
- Vertical-to-horizontal pumping

Drive Motor
- Motor & connections above wellhead
- Simple & compact mechanics
- No air or electricity in well
- Operates independent of pressure
- Quick, easy servicing – no pump pulling

Down Hole
- Pumps anything flowable
- Resists encrustation, bio-fouling, abrasion
- No metal-to-metal wetted moving parts
- Superior-quality non-metallic drive piston
- Unitary polycarbonate drive rod; not segments

LOW PRICE, LOW COST

Simply Electric — All Day, All Night

Reliability & Value
The Apollo-AC Electric Piston Pump™ combines the reliable simplicity of Blackhawk’s linear-rod Apollo drive motor design with the convenience of grid AC electric power.

Think of the Apollo AC-Electric as a miniaturized version of the traditional oilfield pump jack.

Like all other Blackhawk piston pumps, the Apollo-AC’s drive motor, connections and power are at surface grade above the wellhead. This allows easy installation and safer, cleaner servicing, away from the liquid being pumped.

See how a piston pump works:
blackhawkco.com/how-electric-piston-pumps-work.html
The best-performing environmental pump in the business

**Apollo-AC Electric**
- Programmable logic control
- Variable speed control
- Liquid-level conductivity probes
- Pressure transducers

**Available Options**
- Rod Oiler: Injects tiny, pre-set oil amounts into seal plate to lube drive rod
- Pressure Relief Valve: Controls/limits built-up pressure from clogs, failures

**How Apollo-AC Electric Piston Pump Work**

**Above-Ground Drive Motor**
- Electric Panel
- Well Seal
- Riser Pipe
- Well Casing
- Foot Valve
- Intake Strainer

**Below-Ground Pump**
- Pump Piston
- Rod Connect
- Drive Rod

**Diagram**
- Control Panel
- Various components labeled:
  - APOLLO COVER
  - DC GEAR MOTOR
  - BEARING SHAFT SUPPORT
  - 6-32 X 5/8 SHCS
  - 1/4" NPT 90° ZERK FITTING
  - 1/4-20 X 1" FHCS
  - 5/16-18 X 3-1/4 HHCS
  - 5/16" WASHER
  - 5/16" NUT
  - DRIVE ROD
  - COUPLING, DRIVER TO ROD
  - 3/8" ROD CONNECTOR NUT
  - 3/8" ROD CONNECTOR FERRULE
  - 10-24 x 3/8 SHHS
  - CARTRIDGE SEAL PLATE
  - 1-1/4" MOUNTING PLATE
  - BR... 2" MOUNTING PLATE
  - YOKE DRIVER
  - CAM FOLLOWER ATTACHED WITH 5/8-18 JAM NUT
  - YOKE
  - LINEAR BEARING
  - 6-32 X 5/8 SHCS
  - MOTOR LEAD BOX
  - MOTOR LEAD BOX COVER
  - CORD GRIPS
  - 1/4" MNPT X 3/8 TUBE ELBOW WITH 3/8" TUBING
  - AUXILIARY SPLASH PLATE
  - 3/8" ROD CONNECTOR FERRULE
  - 5/16-18 X 3-1/4 HHCS
  - SCOTCH YOKE SEAL PLATE (LOCATED UNDERNEATH CARTRIDGE SEAL PLATE)
  - 1/4" MHNPT X 3/8" TUBE ELBOW WITH 3/8" TUBING