

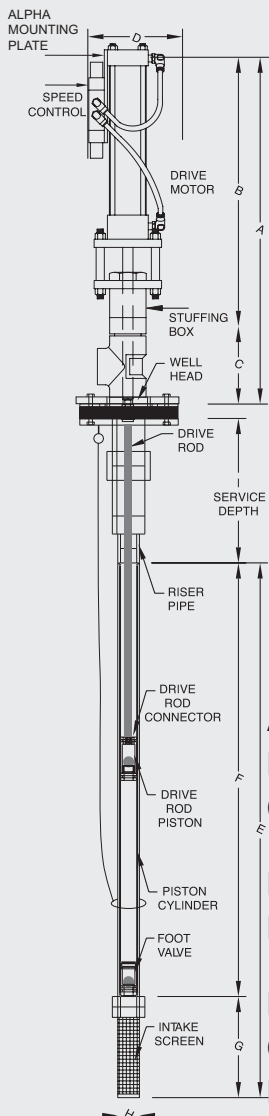
Edge Pneumatic Piston Pump™

TECHNICAL SPECS.

- Operational depth:
Up to 119 ft.; 36.2 m.
- Flow range:
Up to 5.0 US gpm; 18.9 lpm
- Well casing size:
3 in. (7.62 cm) or greater

Best for landfill leachate, gas-well dewatering and floating-product remediation.

PUMP DIMENSIONS



DIMENSIONS (IN INCHES)

- A. Above Well Height29.0"
- B. Driver Height.....23.5"
- C. Discharge Tee & Well Seal Height 5.5"
- D. Driver Diameter 8.0"
- E. Foot Valve Assembly35.0" Length
- F. Foot Valve Length30.0"
- G. Intake Screen Length 5.0"
- H. Downhole Diameter 2.9"



MODEL 102: ECONOMICAL EVERYDAY WORKHORSE

Affordable, reliable and rugged

The Edge Pneumatic Piston Pump™ is Blackhawk's most economical pneumatic pump.

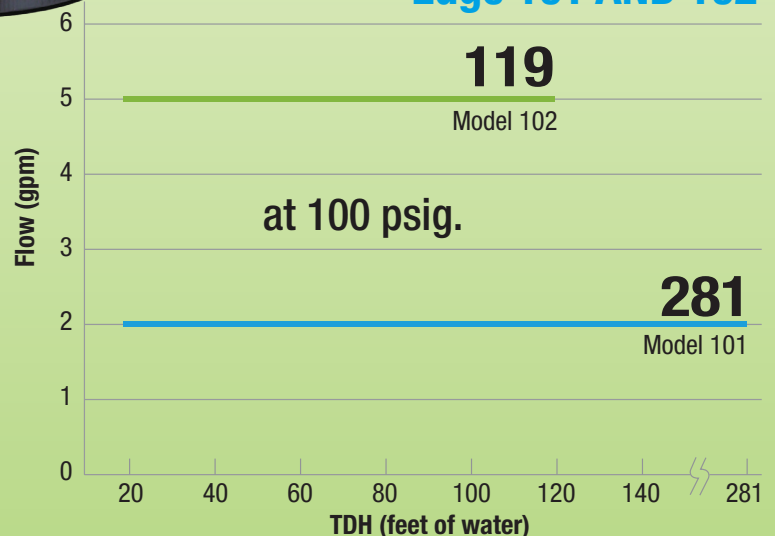
It is designed as a rugged, reliable everyday pump suited to several environments, including landfill leachate, gas-well dewatering and floating-product remediation.

Model 101 maintains steady flow rates to depths of 281 feet (85.6 meters) at 2 gallons per minute (7.6 liters per minute).

The Edge Model 102 is a reciprocating rod, positive-action piston pump powered by industrial-quality compressed air.

The motor is at surface grade, above the wellhead for easy installation and maintenance. Power to the pump is direct from surface through the sucker-rod assembly. The fluid inlet is at the pump bottom intake and removes fluid to 0 submergence depth.

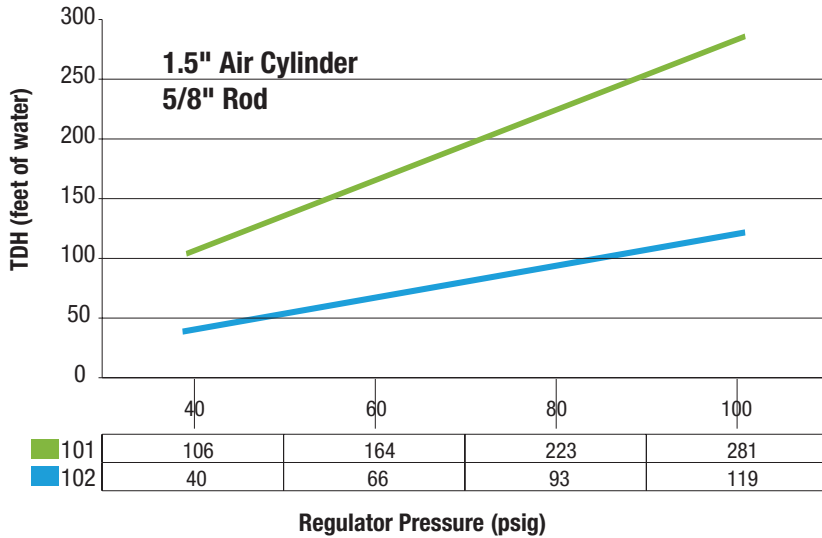
FLOW vs. DEPTH, Edge 101 AND 102



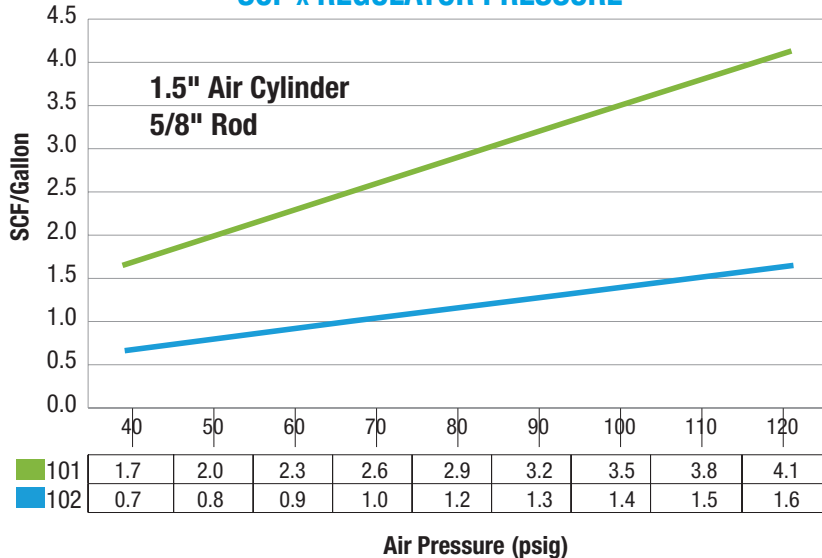
Edge Pneumatic Piston Pump™

MODEL 102: ABOVE-WELL DRIVE PUMP FOR EVERYDAY USE

DEPTH x REGULATOR PRESSURE



SCF x REGULATOR PRESSURE



Ask about Blackhawk's complete line of pneumatic, electric and solar pumps.

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

Performance Data

Operating Depth	119 ft. / 36.2 m
Flow Range	Up to 5.0 US gpm / 18.9 lpm 7,200 US gpd / 27,000 lpd
Max. Operating Pressures	51.6 psig (based on 100 psi air supply)
Maximum Lift	119 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)	
Temperature Range	To 140° F / 60° 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. (4.85 cm)
Connection To Sucker Rod	7/16 in. - 20 in.
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. (4.85 cm) NPT
Installation	Any angle from vertical to horizontal
Driver Weight	35 lb. (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)
Max. 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

The best-performing environmental pump in the business

