

SLIDER™ Pump

Reliable Pumping in angled wells or landfill risers



The increased availability of special drilling equipment has caused more landfills and cleanup projects to appreciate the unique advantages of low-angle (slanted) wells or risers where conventional vertical wells are inefficient or impossible to use.

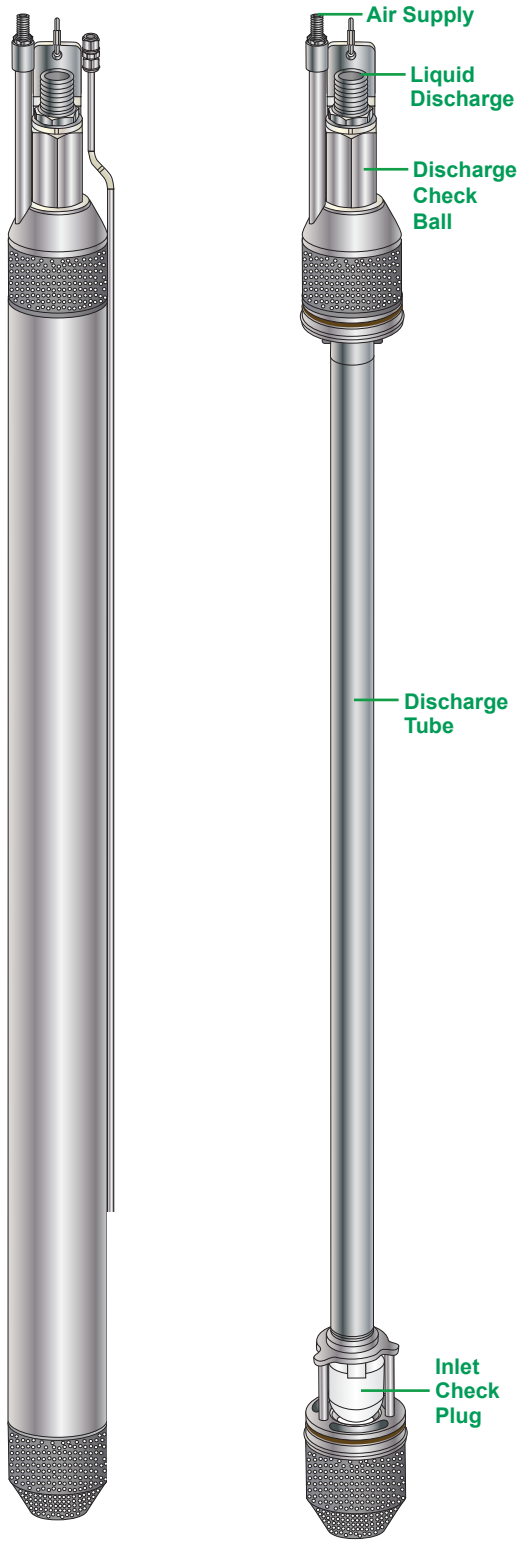
However, slant wells are useless without the right pumps -- and typical electric submersible or pneumatic pumps don't operate effectively in low-angle installations.

QED Slider™ pumps provide the answer. They have proprietary angle-independent valves to operate on any angle. They are especially suited for tough landfill duty, providing excellent resistance to sediment clogging and solvent attack. Slider pumps are operated by QED's standard controller modules.

QED Leads the Way...

- 100% air-powered operation.
- Operates in angled wells or risers.
- Flows up to 3,000 G.P.D. (11.3 m3/day).
- Tapered ends make installation easy.
- Explosion Proof.
- Can Pump Dry Without Affecting the Pump.
- Highly Chemical Resistant.

Specifications



Pump Type: Angle-Independent Positive Air Displacement

Dimensions: Outside Diameter = 3.8" (9.7 cm)
Length = 59.5" (151.1 cm)
Weight = 29.2 lbs. (13.2 kg)

Materials: Stainless Steel, Teflon, UHMWPE, Viton

Fittings: Discharge = Stainless Steel Barb Type
Air Supply = Stainless Steel Barb Type
Bubbler = Stainless Steel Compression Type

Tubing: Discharge Size = 1-1/4" (32 mm) O.D.
Air Supply Size = 1/2" (13 mm) O.D.
Bubbler Size = 1/4" (6 mm) O.D.

Maximum Pump Stroke: 1.28 Gallons (4.8 liters)

Operating Pressure Range: 0-100 P.S.I (0-700 kPa).

Maximum Lift: 200 Feet (62 meters)

Maximum Drawdown (on 3:1 slope): 12 inches (304.8 ml)

Maximum Vertical Flow Rate at 70 Ft (21.3 m) Pump Depth with 2 ft (.6 m) Submergence: 2 GPM (7.5 LPM) (Consult factory for other conditions)

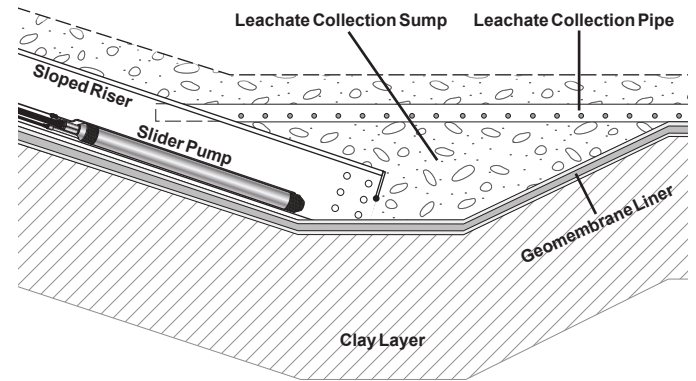
Air Consumption: 7 S.C.F.M. (12 m³/h)

Cap Sizes: 4" (150 mm) and up (The Slider pump cannot be used in wells with smaller I.D. than 4" schedule 40).

Pump Volume:

Liters	Milliliters	Gallons	Ounces
4.843	4843	1.28	163.84

Typical Application: Landfill sloped riser - pump inlet placed at the bottom of the leachate drainage sump.



- Accessories:**
- Standard Well Caps or Custom Flanges
 - 37060** Cable - 3/16" (5 mm) Stainless Steel
 - L350** Exhaust Valve
 - 35097** 1/2" (13 mm) O.D. Nylon Air Supply Tubing
 - 38882** 1-1/4" (32 mm) O.D. Nylon Discharge Tubing
 - 35715** 1/4" (6 mm) O.D. Nylon Bubbler Tube



Pneumatic Controllers

The L360 Pulse Sender cycle controller provides rugged, all-pneumatic control of pump cycle times. The L360 is especially suited to sites where no electronics are allowed, or where pump cycle rates exceed the limits of the C100M in solar mode. The L370 LevelMate provides on/off level control and can be used with the L360 to shut off the system when the well level drops below the set point.