

Bennett Sample Pump Submersible Piston Pump

The Bennett Sample Pumps has an automatic reciprocating piston motor operated by compressed air, that generate power for operating a double acting, piston fluid pump.

Models for lifts up to 170 meters have one motor piston. Models for lifts up to 330 metres have two motor pistons, providing increased power for operating the pump. All models have a differential ratio between the motor pistons and the pump to accomplish lifts using low pressure air from small compressors.

Bennett Pumps may be operated in any position from horizontal to vertical. These pumps will operate submerged to great depths or above water with a drop tube attached to the fluid inlet.

Benefits

- Controller-less pump
- Infinitely adjustable flow rate
- Air does not contact water sample
- Short length 400mm to 500mm avoids hang ups in wells
- 300m plus depth capacity with only 170psi due to mechanical advantage of the internal pistons
- Continuous flows
- Little agitation of water sample
- 36mm or 46mm diameter versions available
- Flow to 9 litres per minute
- Controller-less variable flow rate by varying air pressure
- Stainless steel construction
- Bottom filling
- 10 models available to suit your sampling needs
- Available as a Portable or Dedicated version

Portable Reel Options

A pump unit for applications where portability is required. Each consists of a Bennett Pump, a tube bundle (choice of length and materials) and a reel. The reel is equipped with all controls for operating the pump. The portable units are completely assembled, tested and shipped ready for use.

Portable Reel Features

- Tube Bundle Construction: stainless steel cable core polypropylene air supply and air exhaust tubes, choice of materials for water discharge tube, electric chord for water level indicator, nylon wire ties to hold bundle together (PVC tape wrap optional).
- Water Level Indicator System: A sonar alarm sounds when the probe installed in pump head touches water. System is powered by a 6 volt battery inside console.
- Rotary Swivel: Installed on reel axle, eliminates disconnecting lines when setting pump.
- Flow meter: Monitors pump discharge rate .75 to 7.5 litres per minute.
- Air Pressure Regulator & Gauge: Adjustable for controlling pump discharge.
- Hand Brake: Controls lowering speed into borehole.
- Reel Drive: Sprocket and chain drive with reduction ratio for hand crank operation. Power drive system available for larger reels.
- Reel Lock: Holds pump in fixed position in borehole.
- Roller Head: Guides tube bundle into borehole.

Tubing for Bennett Pumps

We can supply Bennett made tubing with the pumps or locally made tubing. The tubing set is a 3 hose set for air supply, air vent and water discharge. The Bennett tubing has the mating pump fittings permanently crimped onto the bottom end of the tubing. This makes it easy to connect to the pump and provides a more reliable water proof connection, but more difficult to replace the entire tubing when the time comes. EnviroEquip can provide fittings that allow user replacement of the hosing if required. This is an extra cost up front, but makes it easy to replace tubing at any stage later on.



**For detailed information
and specifications,
request a brochure**

**FITS 50mm
WELL**

ThermoFisher
SCIENTIFIC

For customer service, call 1300-735-295
Email InfoEnviroAU@thermofisher.com
Visit us online: www.thermofisher.com.au

©2010 Thermo Fisher Scientific Inc. All rights reserved. A.B.N. 52 058 390 917