

# Layne Bowler



**VertiLayn** | **SubLayn** | **GeoLayn** | **SewLayn**





Layne Bowler history can be traced to 1882, when the inventor, Mr. Mahlon Layne drilled his first well and found himself in need to a different pump to get the water out from his drilled well. He understood that the pump, which he should invent, must be different from all the existing pumps of that time.

In 1903 Mr. M. Layne and the entrepreneur Mr. P.D Bowler joined in a manufacturing venture called Layne / Bowler, which had spread from the Mississippi basin to all over the world.

In 1965, Layne Bowler Company Inc. was established in Ankara, where the innovations and the engineering studies never stop. In addition to the innovation of the existing pumps, Layne Bowler is always working on introducing new pump ranges and categories. Hoping that, Layne Bowler products would play a positive role in helping the constantly growing world population who is relying on a very small amount of fresh water to survive. People are in need to Layne Bowler pumps, in order to get the fresh water from underground and sometimes to get rid off waste water problems.

On a 42.000 m<sup>2</sup>, a group of qualified engineers and experienced technicians, who are always using the latest technology of computerized and numerically controlled machines, Layne Bowler is serving to all over the world its high class engineering pumps by being a reliable and leader brand. In addition to that Layne Bowler Pump Company was one of the pioneers, which have taken EN ISO 9001 Quality Management System Certificate in Turkey.

Layne Bowler High Class Engineering can be tasted from the high performance, the high efficiency and the long-lasting reliability.

Layne Bowler Company has 4 different brands, VeriLayn for Vertical Turbine Pumps, SubLayn for Submersible Pumps, SewLayn for Sewage Pumps and GeoLayn for Geothermal Pumps. In addition to the above mentioned 4 brands, Layne Bowler is supplying a distinguish After Sales Services, by having a special data base for each produced pump, a comprehensive stock of spare parts and an experienced group of technicians and trainees, who are ready to support you wherever you are. Not only that Layne Bowler have started working on building up a reliable network of representatives, which will be spread worldwide and should be responsible of Sales and After Sales activities in their areas.

# Vertical Turbine Pumps

VertiLayn



Vertical turbine pumps are firstly invented by Mr. M. Layne and adapted for use in cased wells or where the water surface is below the practical limits, where other pumps can not do the same job. Vertical Turbine pump efficiencies are comparable to or greater than most centrifugal pumps.

The Vertical Turbine Pumps have three main parts: the head assembly, column assembly and the pump bowl assembly.

The shaft and column assembly provides a connection between the head and pump bowls. The line shaft transfers the power from the motor to the impellers and the column carries the water to the surface. The line shaft on a turbine pump may be either water lubricated or oil lubricated.

The oil-lubricated pump has an enclosed tube in which oil is lubricating the bearings. The water-lubricated pump has an open shaft. The bearings are lubricated by the pumped water. If there is a possibility of fine sand being pumped, select the oil lubricated pump because it will keep the sand out of the bearings. If the water is for domestic or livestock use, it must be free of oil and a water-lubricated pump must be used.

#### Other Features:

- Engineered models up to 1,500 l/s
- Drive options
  - Electric motors
  - Variable speed drive
  - Engines with right angle gearbox
  - Belt and pulley
- Provides high Total Dynamic Head (TDH) and flow rates with high efficiency

# Geothermal Pumps

GeoLayn



From the Vertical Turbine family and by using some technical modifications on some of standard VTP pump parts; Layne Bowler has introduced GeoLayn Brand, Geothermal Pumps.

#### Other Features:

- Low temperature is less than 70° C
- High temperature is higher than 70° C

# Submersible Pumps

SubLayn



A submersible pump is a turbine pump close-coupled to a submersible electric motor. Both pump and motor are suspended in the water, thereby eliminating the long drive shafts and bearing retainers required for a deep well turbine pump. Because the pump is located above the motor, water enters the pump through a screen located between the pump and motor. The pump curve for a submersible pump is very similar to a vertical turbine pump.

#### Other Features:

- Produced from
  - Casting
  - Sheet metal
- Used in deep wells
  - Easy to install
  - Can be used in crooked wells
- Pump speed is usually 2900 rpm and it is available as 1500 rpm as well

# Sevage Pumps

SewLayn



Sewage pumps are used to pump solids, semi-solids and small solids in a variety of commercial, industrial, maritime, municipal, and wastewater treatment applications. Important specifications for sewage pumps include maximum discharge flow, maximum discharge pressure, inlet size, discharge size, and motor power. SewLayn pumps are composed of a rotor and impeller, which have a common shaft aligned by bearings. To prevent leakage of water, high quality mechanical seal are used.

#### Other Features:

- Motor up to 132 kW
- Non-Clog
- Solid up to 125 mm
- Vortex



**Layne  
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