

HISTORY OF PUMPS

Ever since 2000 BC when the Egyptians invented the shadoof, a pump used to draw water from wells, the pump has been a key component of everyday life. Here are several types of pumps invented since then, along with some of their most common applications. The wide variety of pumps today made it impossible for us to include them all.

200 BC
Screw pump
• Irrigation systems
• Agricultural machinery
• Oil & gas



200 BC
Reciprocating pump
• Water treatment
• Sewage
• Hydraulic systems



1593
Gear pump
• High-viscosity fluids
• Precise transfer
• Metering
• Hydraulic fluid power

1636
Rotary gear pump
• Engine lubrication



1859
Diaphragm pump
• Food & beverage
• Construction
• Coal & mining

1650
Piston vacuum pump
• Composite molding
• Printing presses
• Glass and stone cutting
• Water

1868
Concrete volute pump
• Flood control systems
• Land irrigation & drainages
• Water cooling, intake, transfer

1687
Centrifugal pump
• Water
• Sewage
• Fire protection
• Heating & cooling
• Food & beverage
• Chemical



1874
Vane pump
• Automobiles
• Soft drink dispensers

1906
Eccentric disc pump
• Paint
• Coatings

1897
Deep well turbine pump
• Municipal water systems
• Agricultural irrigation
• Mining & industrial
• Golf courses



1915
Wood trash pump
• Wastewater
• Solids handling

1923
Sealless vertical pump
• Petroleum
• Heavy-duty chemical
• Gas industry

1933
Bush pump
• Well water extraction

1932
Peristaltic pump
• Apheresis
• High solids slurring
• Chemical
• Abrasives

1916
Submersible pumps
• Sewage
• Irrigation
• Deep well drilling
• Oil drilling

1936
Metering pump
• Chemical processing
• Water & wastewater treatment
• Food & beverage
• Oil & gas
• Power generation



1949
Magnetic drive pump
• Chemical
• Pharmaceutical

1950
Chopper pump
• Sewage
• Large, trash solids



1962
Circulator pump
• Water
• Heating & cooling

1955
Air-operated double-diaphragm pump
• Alternative energy
• Food, cosmetics & pharmaceuticals
• Mining & industrial
• Petroleum, oil & gas
• Chemical