HAYWARD TYLER

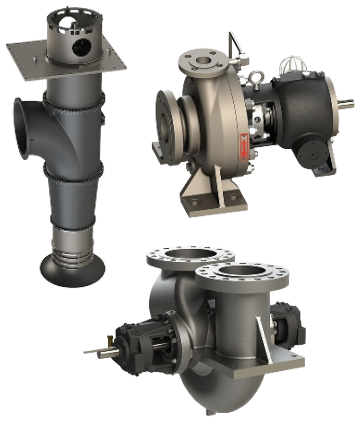
ENGINEERING EXCELLENCE
SINCE 1815
200 YEARS

Product Overview

We design, manufacture, and service performance-critical electric motors and pumps to meet the most demanding applications for nuclear, power, oil and gas, chemical, water, defense, and renewable industries. We're your trusted OEM supplier and partner for a wide range of products, support, and solutions.

CONVENTIONAL PUMPS

40+ years of pump & motor supply and service to the nuclear industry for both "Safety" and "Non-safety" related applications. Designs according to ASME B&PV Section III.



Axial Mixed Flow Pumps

Vertical, wet pit pump for circulating water applications. Flow to 178,000 US gpm (40,400 m^3/hr). Head to 152 ft (46m).

Vertical Turbine Pumps

Vertical, single or multistage pumps. Flow to 50,000 US gpm (11,300 m^3/hr). Head to 1400 ft (425m).

End Suction Pumps

Vertically split, overhung pumps. Flow to 3,000 US gpm (680 m^3/hr). Head to 500 ft (150m).

Double Suction Pumps

Single stage, horizontally or vertically split pumps. Flow to 160,000 US gpm (36,300 m^3/hr). Head to 500 ft (150m).

SUBSEA AND SUBMERSIBLE PUMPS & MOTORS

Our fluid-filled pumps and motors are performance critical equipment designed for high reliability and low maintenance, and span a wide range of applications.

Subsea Motors

Deepwater subsea motors built for exceptional performance up to 3000m (10,000 ft.).

- → Qualified subsea penetrator for ROV connection
- → Wet-wound, water/glycol filled motor
- → Power to 8,000hp (6MW)
- → Voltage to 13.8kV

Submersible Motors

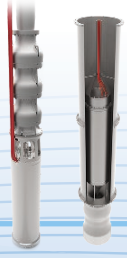
Electro-submersible fluid-filled motors in standard or inverted configurations.

- → Wet wound, water/glycol filled motor
- → Voltage to 13.8kV
- → Power to 3,300hp (2.5MW)
- → Variety of materials available, up to Super Duplex
- → Product lubricated bearings (radial and thrust)

Submersible Pump & Motors

Electro-submersible pump & motor sets in standard or inverted configurations.

- → Wet wound, water/glycol filled motor
- → Variety of materials available, up to Super Duplex
- → Head to 2,000 ft. (610m)
- → Flows to 60,000 US gpm (13,600 m^3/hr)
- → Power to 3,300hp (2.5MW)
- → Voltage to 13.8kV



GLANDLESS PUMPS

Our glandless pumps have no mechanical seal, offering a zero leakage, zero emission pumping solution.

Wet or Dry Stator Circulating Pumps

The ideal choice for high pressure or high temperature circulating pump applications.

- → Zero leakage pumping solution
- → Product lubricated bearings
- → Flows to 44,000 US gpm (10,000 m^3/hr)
- → Head to 1,800 ft. (550m)
- → Power 400-3,300hp (330-2,500kW)
- → Voltage to 13.8kV

Canned Motor Pumps

The safest and highest reliability pump solution.

- → No leakage or emmisions
- → No hot or cold shaft alignment
- → Bearing wear monitor
- → Compact design
- → API 685 and ANSI compliant
- → Flows to 3,300 US gpm (750 m^3/hr)
- → Head to 2,625 ft. (800m)
- → Power to 400hp (300kW)

VARLEY GEAR PUMPS

Double helical gear pumps with a smooth, nonpulsating flow.

- → Foot/engine mounted
- → Journal roller bearings
- → High suction lift capability
- → Flows to 240 US gpm (55 m^3/hr)
- → Pressure to 500 PSI (35 bar)
- → All motorized units bracket mounted

HIGH TEMPERATURE PUMPS

Custom designed for molten salt, liquid metal or liquid sodium applications.

- → Design temperature of 750° C+ (1380° F)
- → Pump hydraulic design accounts for fluid corrosion rates
- → Optimized for proper thermal management
- → Design considers dissimilar materials and thermal growth rates

AFTERMARKET SUPPORT

We offer comprehensive aftermarket support for all existing and legacy products to support the life cycle of your installed equipment. This includes spare parts, field or shop repairs and engineering upgrades. Our website knowledge base offers up to date technical information to help solve your most complex problems.

ENGINEERING SERVICES

Our engineering expertise can solve your most complex challenges and take your operations to the next level. Our engineers are equipped with cutting-edge technology, enabling them to perform in-depth design analysis, flow simulation, and material evaluation for a quality product with performance you can count on.

For further information, please contact us at a location below or visit us at **haywardtyler.com**

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