The e-MP Series

HIGHLY EFFICIENT AND VERSATILE MULTISTAGE RING SECTION PUMPS UP TO 1700hp
Applications limited only by your imagination
Finally, there’s a robust and reliable pumping system for virtually any high pressure application. The e-MP combines Goulds Water Technology’s century of experience, knowhow and expertise to create a powerful and efficient solution for customers in industry, utilities, agriculture and building services. Designed to be configured a multitude of ways, the e-MP has applications limited only by your imagination.

Quick Selection

Use the online selection tool to save time. The e-MP is available in a variety of sizes, models and materials which allow you to perfectly configure it for your system requirements. IntellitronicX 2.0 will help you identify the right model and the necessary accessories, select vertical* orientation and configure the casings, hydraulics and seals you need based on your application.

Expert Support

Turn to your Goulds Distributor with any questions about the proper selection and configuration of your e-MP. Goulds Water Technology has more than a century of experience in designing and configuring casted multistage pumps for high pressure applications all over the world. We'll coordinate your requests with our experienced engineering department to make sure your pump is optimized for your application.

*Horizontal orientation coming soon

RANGE OVERVIEW

Sizes: 2” to 6”
Configurations: horizontal and vertical
Power:
10hp - 1,700hp / 7.5kW - 1,250kW (2-pole)
3hp - 220hp / 2.2kW - 160kW (4-pole)
Heads up to 2,000ft / 630m*
Flows up to 2,600 US gpm / 600m³/h*
Temperature of pumped liquid:
-13°F to +284°F, optional 356°F /
-25°C to +140°C, optional 180°C

MATERIAL OPTIONS

Pumphousing: cast iron, ductile iron, steel, stainless steel (AISI 316), duplex stainless steel, super duplex stainless steel
Impeller: cast iron, bronze, stainless steel (AISI 316), duplex stainless steel, super duplex stainless steel
Elastomers: EPDM, FPM
Shaft sealing: Mechanical seal, cartridge seal, soft packing

* 100 bar versions branded G&L and are available with heads up to 3,100ft / 950m. Check with factory for more information.
**1 Improved design**

Simply and cost-effectively integrate the e-MP into nearly any high pressure application, thanks to its versatile mechanical configuration and its first stage suction impeller. This newly redesigned impeller provides high suction capabilities needed to meet the rigorous demands of hot water or condensate pumping applications.

**2 Safe operation**

Protect your people and reduce downtime with the e-MP. It incorporates an assortment of built-in safeguards. Plus, you can further control and monitor safety by connecting the pump to a variety of variable frequency drive options.

**3 Energy savings**

Leave a greener footprint. The high efficiency hydraulics of the e-MP were optimized by computational fluid dynamics calculations and they reduce both life cycle costs and energy demand.

**4 Optimized MTBRs**

With the help of optional sensor interfaces on the e-MP, pressure, temperature and vibration sensors can be installed. A preventative maintenance schedule for the pump can be projected in advance, by connecting them to an intelligent plant monitoring and diagnostic system.

**5 Reduced wear**

The newly designed plain bearing in the suction housing is made of tungsten carbide and is elastically supported to resist extreme vibrations and shocks. A balancing drum reduces the axial thrust of the bearings and the load on the mechanical seal. The ultimate result is a more efficient, more effective operation.

**6 Easy maintenance**

The bearing at the drive side, the mechanical seal and the balancing drum sub-assembly are all easily accessible without having to remove the pump from the piping system. The pump’s configuration minimizes the number of parts needed to cover the complete performance range, which simplifies assembly and streamlines spare parts management.

**ACCESSORIES**

- Motors
- Frames
- Couplings
- Coupling guards
- Monitoring & control interfaces
- Hydrovar
- Specials on request: e.g. fly wheel, high voltage motors

**AVAILABILITY**

The full e-MP Series will be released over time. Therefore, if a new e-MP pump is not yet available to fulfill a customer request, Intellitronic X 2.0 will quote the existing MP pump. Consult your Goulds Distributor with any questions.
1) The tissue in plants that brings water upward from the roots; 
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com