

MAXA/MAXANA

SINGLE-STAGE PROCESS PUMPS



HEAVY-DUTY PUMPS FOR INDUSTRIAL PROCESSES

The MAXA and MAXANA ranges are single-stage, end-suction centrifugal pumps designed for heavy-duty operation in industrial processes. The major dimensions and characteristics of these pumps correspond to DIN EN 733 and DIN EN 22858.

High quality throughout

The MAXA and MAXANA ranges are fabricated in deep-drawn rolled stainless steel AISI 316L (1.4404).

The pumps feature closed impellers with optimised blade entry angles. Two-channel impeller is available as an option for the MAXA range.

A wide variety of applications

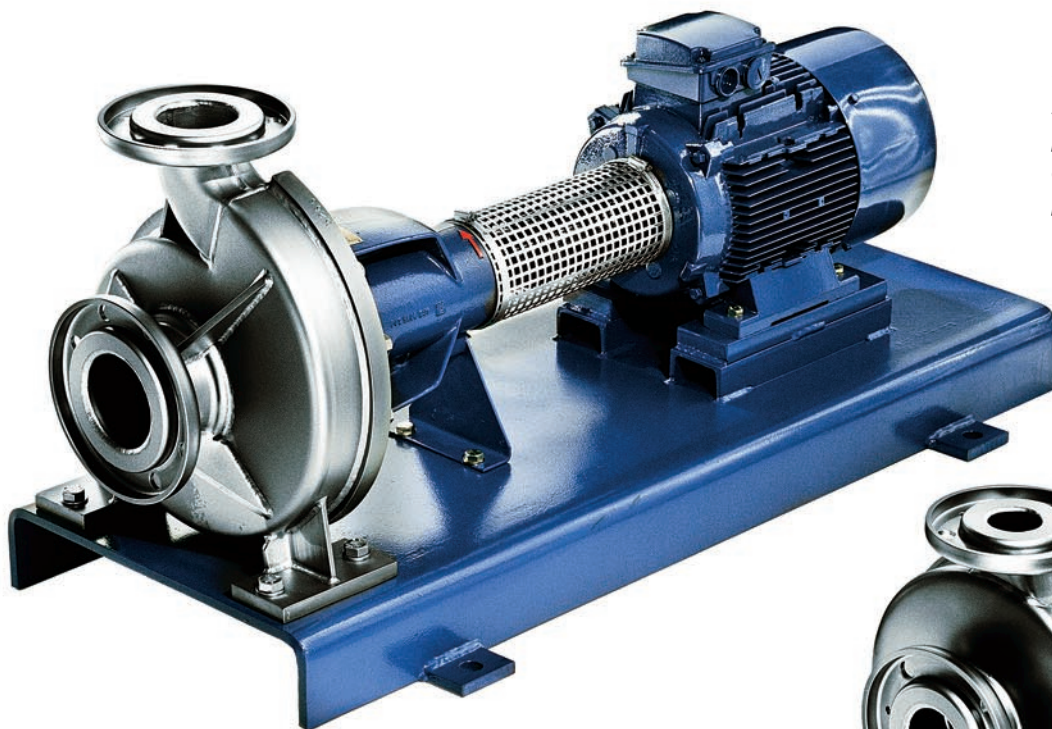
The highly reliable MAXA and MAXANA pumps are suitable for:

Food & Beverage

- Breweries - gentle pumping of mash and wort, and for beer filtration
- Dairy
- Food processing

Industrial applications

- Water treatment plants
- Chemical handling
- Liquids with high contents of solids



On request the MAXA in selected sizes is available for pharma and biotech applications with high purified water (WFI) systems.



CUSTOMISED SOLUTIONS

MAXANA Bloc

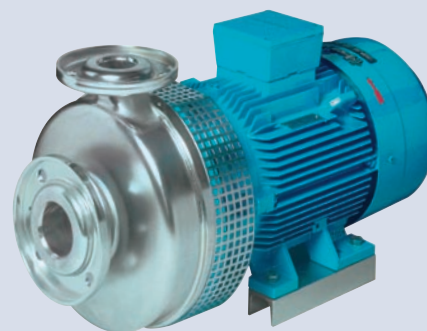
Stationary on pump foot or motor foot. Motor with extended stainless steel shaft.

MAXA CN

Stationary on base plate with bearing housing, flexible coupling, coupling guard and IEC standard motor, protection class IP 55.

MAXA L

Stationary on pump foot or motor foot. IEC standard motor with supported plug-in shaft.



MAXANA CN

Stationary process pump mounted on base plate, with bearing house, coupling and coupling guard. IEC standard motor, protection class IP 55.

Option Free shaft end mounted on base plate, without motor.

MAXANA L

Stationary on pump foot or motor foot, IEC standard motor with supported plug-in shaft.

MAXANA Adapta®

Stationary on cast iron foot for fixed installation. IEC standard motors or NEMA motors can be fitted, using a standard flexible coupling, directly to the pump shaft. The motor is bolted onto the lantern flange or the intermediate Adapta® lantern. The pump can remain in the pipeline when the motor is serviced or replaced.

Options Complete coupling but without motor.
Stationary on stainless steel foot.
Stationary mounted on stainless steel combi-foot with machine pads.
Adapta® SUPER stationary, mounted on stainless steel combi-foot with machine pads and shrouded motor in selected sizes.

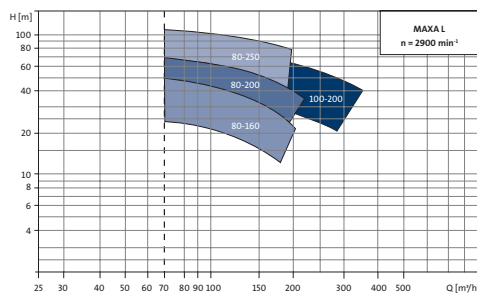
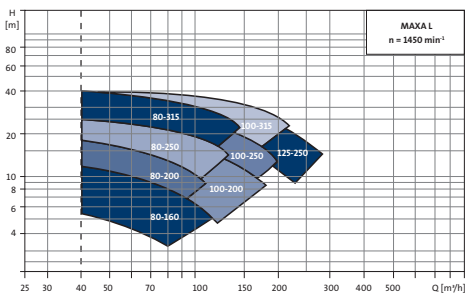
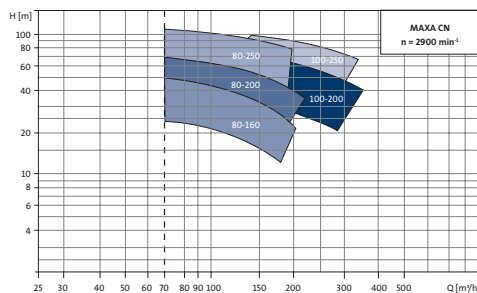
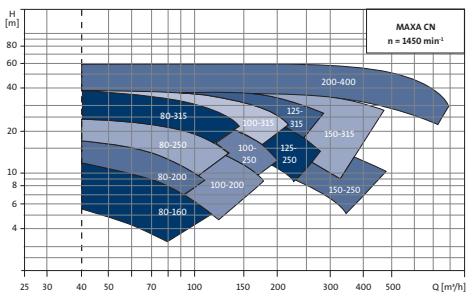
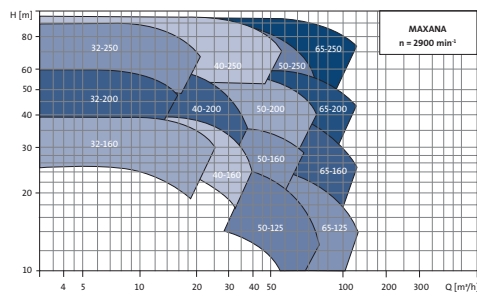
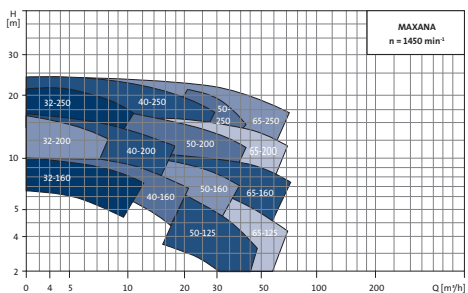


Technical data MAXANA

Flow: up to 140 m³/h
 Head: up to 97 m
 Operating pressure: up to 10 bar
 Operating temperature: 95°C (up to 150°C on request)

Technical data MAXA

Flow: up to 800 m³/h
 Head: up to 97 m
 Operating pressure: up to 10 bar
 Operating temperature: 95°C (up to 150°C on request)



GRUNDFOS SANITARY RANGE



Shaft seals

Single inboard mechanical seals according to DIN 24960, cooled and cleanable due to the optimum position in the liquid. Seal materials compatible with the pumped liquid.

Option Double mechanical seals in tandem or back-to-back arrangement with flushing or barrier water connections for MAXANA CN and MAXANA Adapta.

Special tandem arrangement available for MAXANA Bloc.

MAXA & MAXANA tronic

Pump with integral frequency converter for speed and performance variation. Suitable for all motor sizes up to 7.5 kW/50 Hz.



Connections

- Flanges to DIN EN 1092-1 (DIN 2642 PN 10)
- Options include special connections to ANSI/JIS standards
- Discharge branch can be positioned at top, to the right or to the left

Additional options

- Casing drain point DN 15, other sizes available
- Casing with heating jacket
- Special paint for electric motor and steel components
- Motors with special voltages and frequencies
- MAXANA CN and MAXA CN: With hazardous motor. ATEX certificates available on request.
- Packed gland as shaft seal, single or flushed with C-bearing support to DIN EN 22858 and shaft sleeve
- Double mechanical seals, depending on model, either with flushing or barrier water
- Tronic design: Pump available with integrated frequency converter up to 7.5 kW
- Armoured wear rings for casing and impeller

The Grundfos sanitary range

Grundfos has developed and produced high-quality industrial pumps for more than half a century. Throughout our long history, our focus has always been on product performance and reliability. We strive to provide our customers with the best possible solution, regardless of application. This dedication to customer needs makes us the ideal pump partner for industry.

Grundfos' worldwide leading position now also includes Hilge's variety of sanitary pumps. Hilge was founded in 1862 and is famous for its customised and high-grade stainless steel sanitary pumps for the food, beverage and pharmaceutical industries.

Throughout history innovation and the desire to provide competitive pump solutions has been the driving force of Hilge. This is no different from Grundfos. Our history and tradition are built on that very same ambition. So adding Hilge to Grundfos only means an even stronger desire to make state-of-the-art sanitary pumps. Given the vast development resources of Grundfos we are confident that the combination of two so similar traditions will only amplify our common effort to produce even better solutions for our customers.

Contact the Grundfos dealer nearest you for further information on the Grundfos sanitary range, or via www.grundfos.com