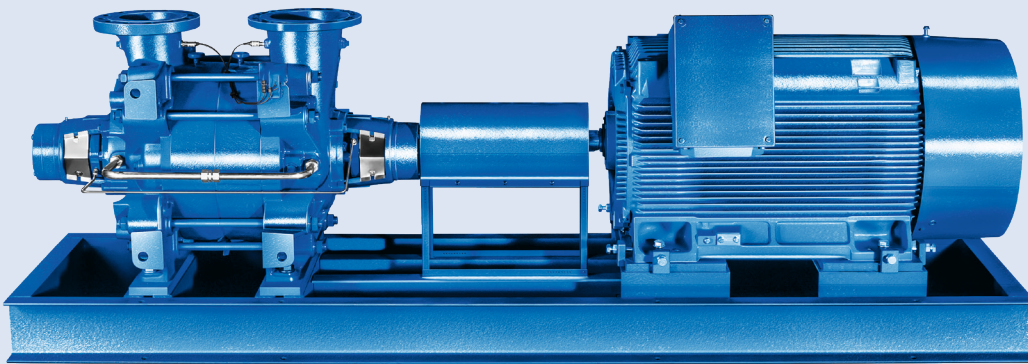


## Multitec – High-Pressure Pump in Ring-Section Design

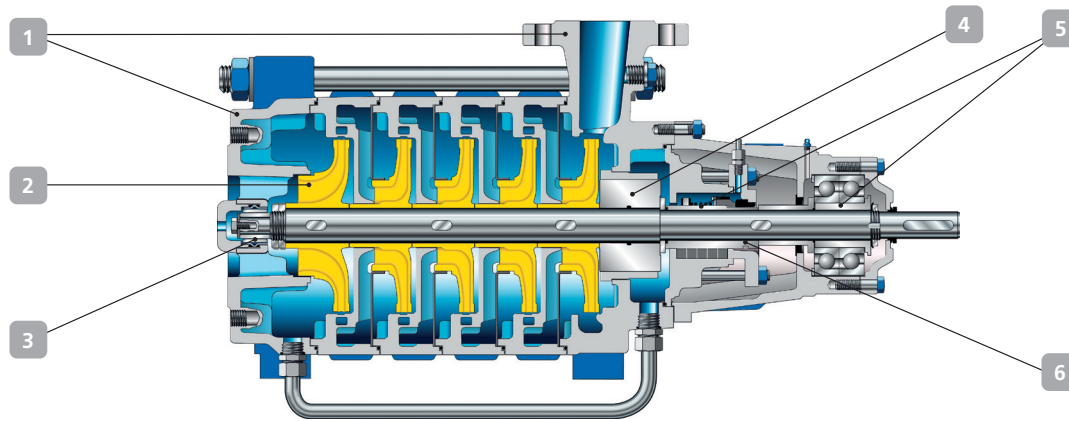


### Applications:

- Water supply
- Drinking water supply
- Pressure boosting
- Irrigation systems
- Fossil Fuel power stations
- Hot water supply
- Condensate transport
- Boiler feed applications
- Heating systems
- Filtering systems
- Fire-fighting systems
- Snowmaking systems
- Washing plants
- Industrial plants
- Desalination plants
- Geothermal plants
- Heat recovery systems

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# Multitec – High-Pressure Pump in Ring-Section Design



## 1 Versatile and flexible pump

- Suction and discharge nozzles can be adjusted to the system as needed, even on site.
- Large choice of designs, materials and shaft seals can be adapted to the project.

## High operating reliability

- 2 Special suction impeller designed for good performance and smooth running even under poor suction conditions or for handling fluids with low vapor pressure.
- 3 Wear-resistant, self-aligning plain bearing made of silicon carbide.
- 4 Axial thrust balancing ensured by balancing drum for a long service life.

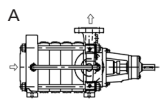
## Low operating costs

- Optimized hydraulic design and impellers trimmed to the duty point as a standard to ensure the system's high efficiency.

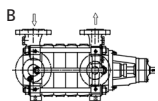
## Service-friendly design, low spare parts costs

- 5 Easy dismantling of bearing and shaft seal without the need to remove hydraulic components thanks to separate seal chamber/bearing housing as well as shaft protecting sleeves at the bearing and shaft seal.
- 6 With some pump models, there is only one discharge-side seal. This reduces the costs for purchasing and storing spare parts.

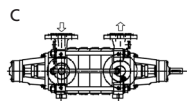
## Designs



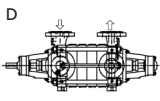
Horizontal long-coupled design with axial inlet and plain bearing



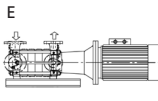
Horizontal long-coupled design with radial inlet and plain bearing



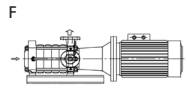
Horizontal long-coupled design with radial nozzles rolling element bearing on both ends and drive on the discharge side



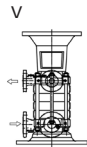
Horizontal long-coupled design with radial nozzles rolling element bearing on both ends and drive on the suction side



Horizontal close-coupled pump with radial inlet



Horizontal close-coupled pump with axial inlet



Vertical close-coupled design

## Other features

Flanges	DIN or drilled to ASME
Drive	Direct by electric motor

## Materials

Cast iron	Bronze
Nodular cast iron (only for DN 200 and 250)	Cast steel
Duplex and super duplex stainless steel	Stainless steel

## Technical data

Flow rate	6,600 gpm
Discharge head	3,280 ft.
Pump discharge pressure	up to 1,450 psi
Fluid temperature	up to 392° F



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