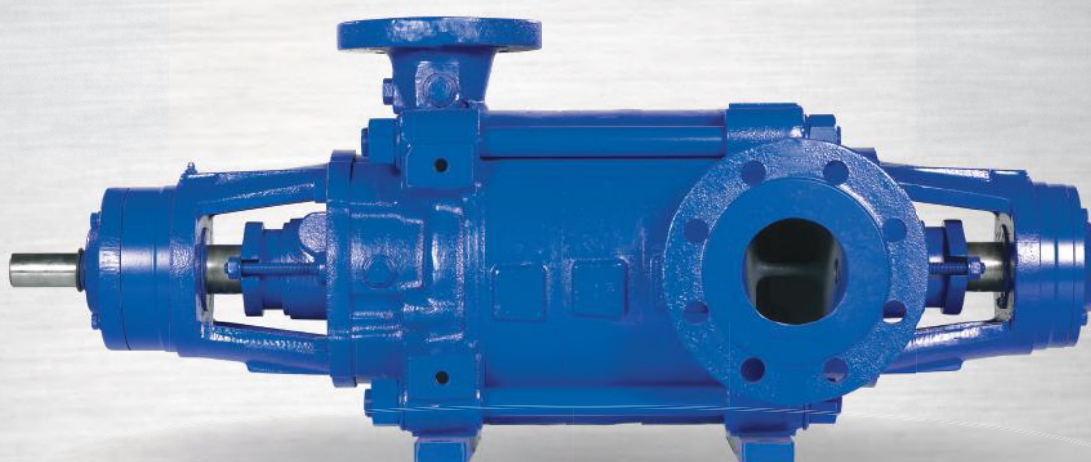


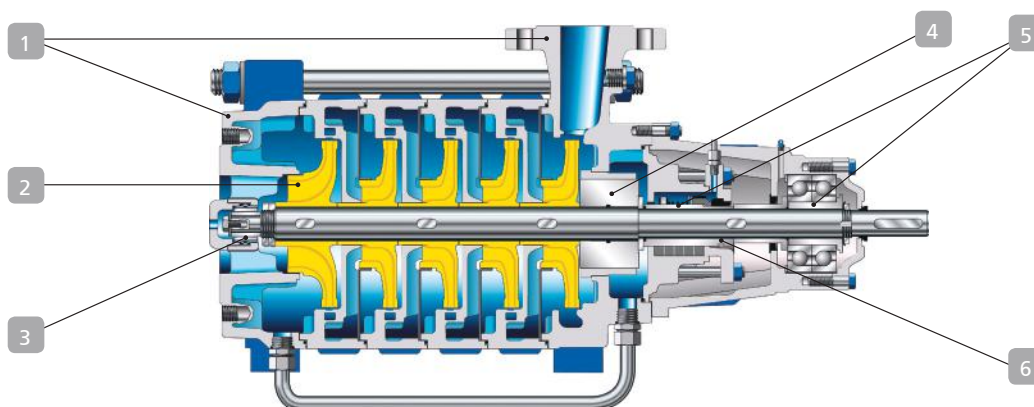
## Multitec – High-pressure Pump in Ring-section Design

### Applications:

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



# Multitec – High-pressure Pump in Ring-section Design



Representative figure of installation type A

## Versatile and flexible pump

- 1 Suction and discharge nozzles can be adjusted to the system as needed, even on site.

## 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 vapour 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.

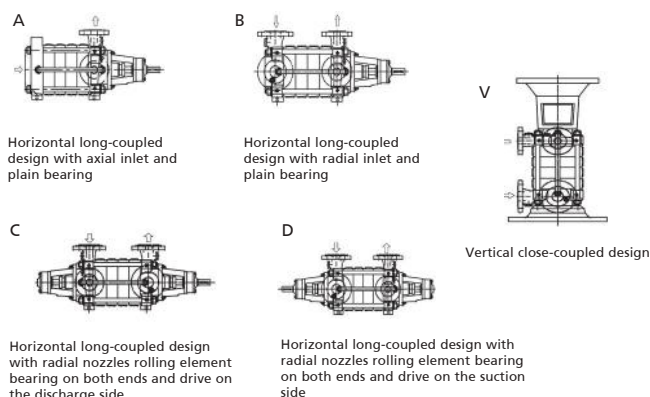
## Low operating costs

- 5 Optimised 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

- 6 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.
- 7 Pump models with installation type A,B & V, there is only one discharge-side seal. This reduces the costs for purchasing and storing spare parts.

## Designs



Technical data	Size: 32-150
Flow rate	up to 850 m <sup>3</sup> /h
Discharge head	up to 630 m
Pump discharge pressure	up to 63 bar
Fluid temperature	-10 to + 200 °C
Frequency	50 and 60 Hz, 2 and 4 poles

Other features	
Flanges	EN 1092-2 & ASME B16.1
Drive	direct by electric motor

Material		
Component	Material	Material Grade
Casing	Cast Iron	IS 210 FG 260
Stuffing Box Housing	Cast Iron	IS 210 FG 260
Impeller	Cast Iron / Bronze	IS 210 FG 260/ CuSn10C
Diffuser	Cast Iron	IS 210 FG 260
Shaft	Carbon Steel/ Stainless Steel	IS5517 45C8 /A 276 Type 410
S. P. Sleeve (G. Pckg)	Cast Iron/ Stainless Steel	IS 210 FG 260 /Type 410 cond H
S .P. Sleeve (M. seal)	Stainless Steel	Type 316
Seal Cover (M. seal)	Stainless Steel	Type 316
Disc. <sup>1)</sup>	Stainless Steel	1.4301
Wearing ring <sup>2)</sup>	Cast Iron / Bronze	IS 210 FG 260/ CC493K-GS
Tie rod	Carbon Steel	IS5517 45C8
Studs / Hex. Nuts	Carbon Steel	A194 GR 8M or equivalent
Balance Drum (Psiton)	Cast Iron & Stainless Steel	IS 210 FG 260 / A182Gr.F6a.
Bush	Cast Iron	IS 210 FG 260
O - rings <sup>3)</sup>	Ethylene, propylene and diene monomers	EPDM80

1) For pump size DN32 to DN100 2) For pump size DN125 & above  
3) O-ring in bearing housing are of Viton



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