

## PRF high-pressure booster pump

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The PRF pump range has been specifically designed to manage clear liquids with high suction pressure. Optimized design ensures maximum pressure resistance and extended lifetime of the pump.

### Main applications

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A specific design makes the PRF pump suitable for highly demanding applications such as:

- Reverse osmosis process
- Boiler circulation
- Any high-pressure process application

### Design

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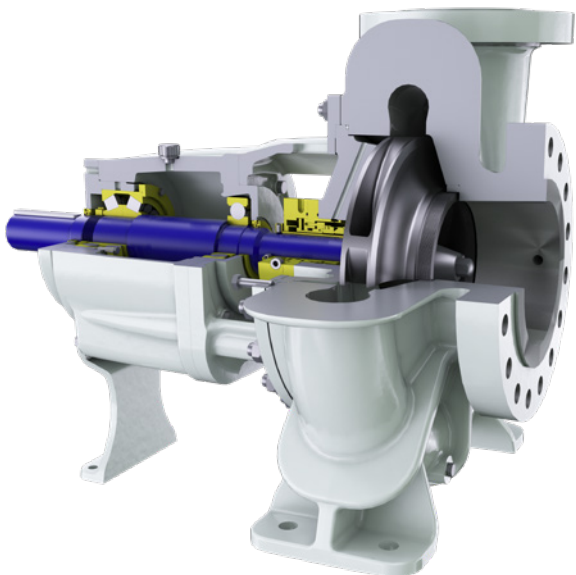
- Back pull-out design: dismantling without disturbing the piping or the motor
- Foot-mounted or centerline-mounted casing depending on size
- Flanges ISO PN 100 to customer specifications: RF RTJ etc.
- Flanges ANSI 600# as an option
- Bearing type: three rolling-contact bearings lubricated by oil with constant level oiler
- Taper roller bearings with high load capability
- Closed impeller with wear ring
- Shaft sealing by high-pressure mechanical seal
- Excellent efficiency

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### Main benefits

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- Cost effective
  - Highly reliable
  - Efficient solution as ERS booster pumps in SWRO desalination applications
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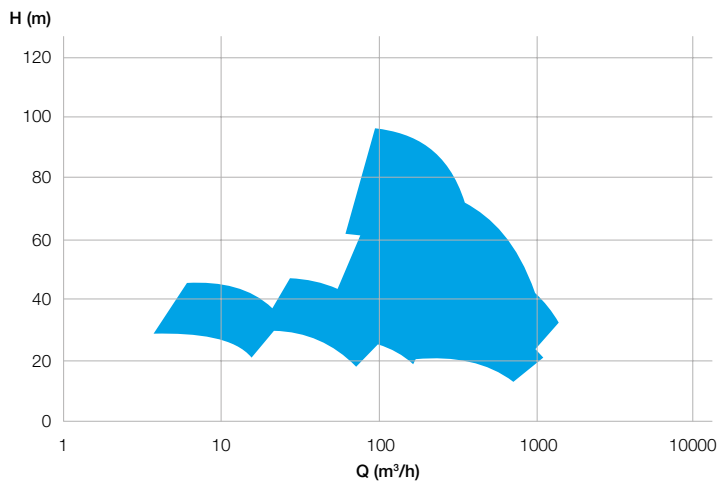
## Materials

Standard material options	Material
Duplex stainless steel	A890 Grade 1B
Super duplex stainless steel	A890 Grade 5A
	Special alloys available upon request

## Operating data

	60 Hz	50 Hz
Capacities	up to 1'350 m <sup>3</sup> /h	up to 7'250 USgpm
Heads	up to 95 m	up to 445 ft.
Pressures	up to 75 bar	up to 1'090 psi
Temperatures	up to 200°C	up to 392°F
Maximum speed of rotation	up to 3'000 rpm	up to 3'550 rpm

## Performance range



**How can we help you?**  
**Contact us today to find your best solution.**

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