

PRF high-pressure booster pump



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.

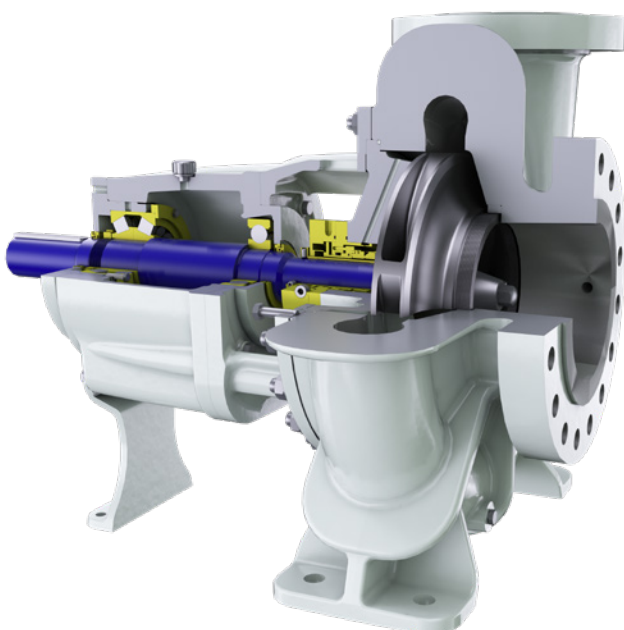
Main applications

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

- 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



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



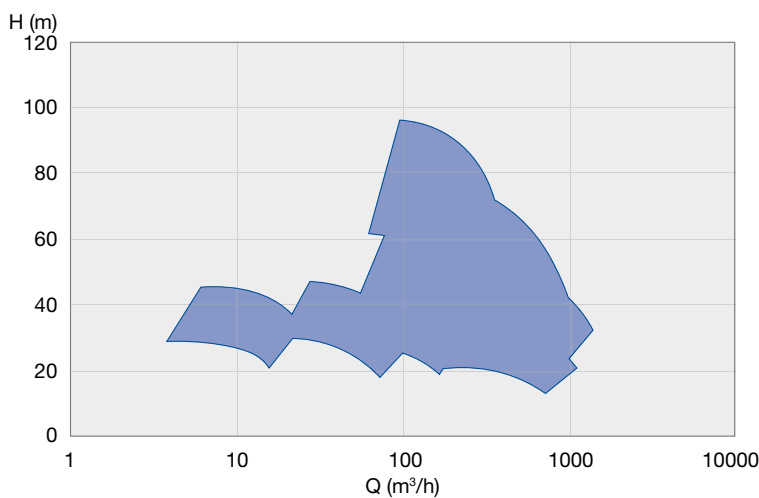
Materials

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

Operating data

	50 Hz	60 Hz
Capacities	up to 1'350 m ³ /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



Power generation



General industry



Water and wastewater