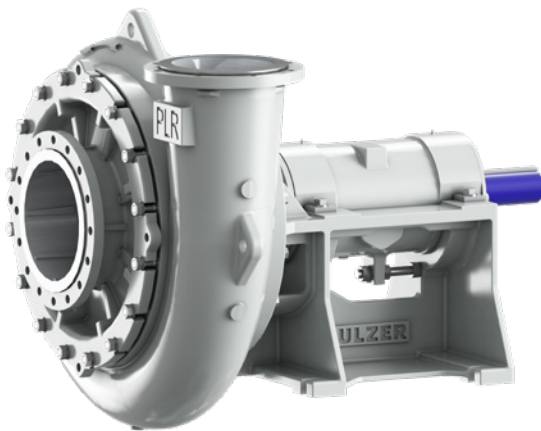


PLR slurry pump



Design

- Specially designed to handle slurries with a high level of abrasive solids
- Heavy-duty bearing unit with grease-lubricated double tapered roller bearings for V-belt transmission or for direct drive
- Adjustable discharge nozzle position
- Closed, special semi-open and vortex impeller designs ensure high adaptability of the pump for most specific duties
- Replaceable back wear plate and wear suction cover guarantee high durability of the pump
- Ample wall thickness and optimized shapes of main wear parts ensure improved corrosion and abrasion resistance and extended pump lifetime
- Shaft sealing is available with packings, hydrodynamic seal (expeller), single and double mechanical seal, both available with open or closed seal chamber
- Floating flanges in 304 stainless steel (available for large hydraulic sizes)
- Special design with heating/cooling chamber
- Special design for froth pumping applications
- Special design for vertical mounting

Main industries and applications

A specific design combined with a wide range of options makes the PLR pump suitable for highly demanding applications such as:

- Abrasive and corrosive slurries
- Ammonium nitrate applications
- Froth pumping and self-regulating applications

Standard materials

PLR pump is designed to be manufactured from special materials with a high hardness level thus affording the best anti-abrasion characteristics.

The Sulzer plus

- Maximum abrasion and corrosion resistance
- High reliability and durability
- High interchangeability
- Maximum adaptability

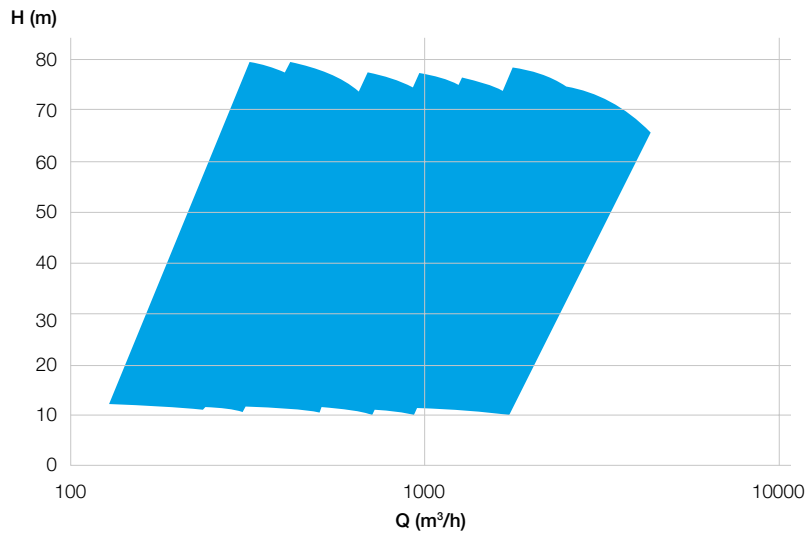
Material	Sulzer code	Specification
Austenitic stainless steel	43 (J0270)	ASTM A743 Grade CN-7M
Duplex stainless steel	4L/U55E02 (J0266) 4T/P5M (J0267)	ASTM A890 Grade 1B ASTM A890 Grade 5A
Wear-resistant chromium iron	EXR (F0207) CRM (F0204) FC1 (F0205)	ASTM A532 IIIA Type A, level 2 Gx100CrMo30-2 Gx160CrNiMo38-5-2

Operating data

	60 Hz	50 Hz
Capacities	up to 3'900 m ³ /h	up to 17'200 USgpm
Heads	up to 80 m	up to 262 ft.
Pressures	up to 50 bar	up to 735 psi
Temperatures	up to 150°C	up to 300°F
Maximum speed of rotation	up to 2'500 rpm	up to 2'500 rpm

Higher capacities and heads upon request.

Performance range



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

[sulzer.com](https://www.sulzer.com)

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