

NRN high-pressure process pump

The NRN is a horizontal, single-stage end-suction process pump, designed for heavy-duty applications in various industries. It exceeds the requirements of ISO 5199 and ISO 13709 (API 610) 11th edition, type OH1.



Main applications

The NRN high-pressure process pump range has been designed to meet the process requirements in versatile general and industrial applications such as:

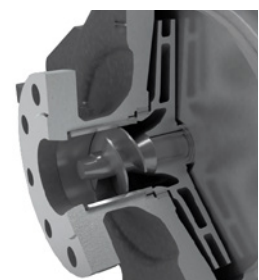
- clean and slightly-contaminated liquids
- corrosive and abrasive liquids
- slurry applications

Design

- Foot-mounted casing
- 150#, or 300# flange rating standard (600# optional)
- Wear rings and balance holes optimized to maximize seal and bearing life
- Extra heavy-duty shaft for low shaft deflection and long life of seal and bearings
- Closed impeller or open/semi open designs for slurry applications
- Inducer option to meet customer NPSH restrictions
- Heated/cooled stuffing box option
- Maximum interchangeability of parts throughout the range



- Tailor-made for your process needs
- High reliability
- Maximum efficiency



Semi-open and closed impeller design for slurry duty. Inducer for low NPSHa.

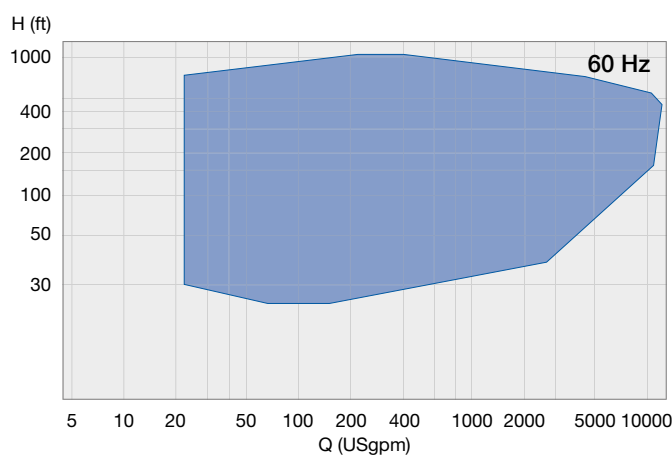
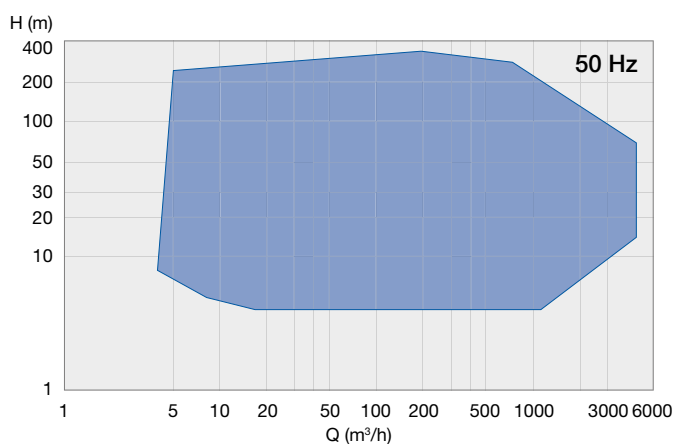
Materials

Standard material options	Material
Carbon steel	A216 Grade WCB
Austenitic stainless steel	A351 CF-3, A351 CF-3M
Duplex steel	A890 Grade 1B, A890 Grade 5A
Titanium	B367 C-3
	Other materials available upon request

Operating data

	50 Hz	60 Hz
Capacities	up to 4'500 m ³ /h	up to 19'800 USgpm
Heads	up to 320 m	up to 1'050 ft.
Pressures	up to 60 bar	up to 1'100 psi
Temperatures	from -90 to 180°C	from -130 to 356°F

Performance ranges



Oil and gas



Hydrocarbon processing



Power generation



Pulp, paper and board



General industry



Chemical process industry



Water and wastewater

www.sulzer.com

E10663 en 3.2020, Copyright © Sulzer Ltd 2020

This brochure is a general product presentation. It does not provide any warranty or guarantee of any kind. Please, contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.