



EBARA

Looking ahead,
going beyond expectations

Ahead  *Beyond*

Japanese Technology since 1912

**ISO2858/ISO5199
centrifugal process pumps**

Model **GSO**



www.ebara.com.au

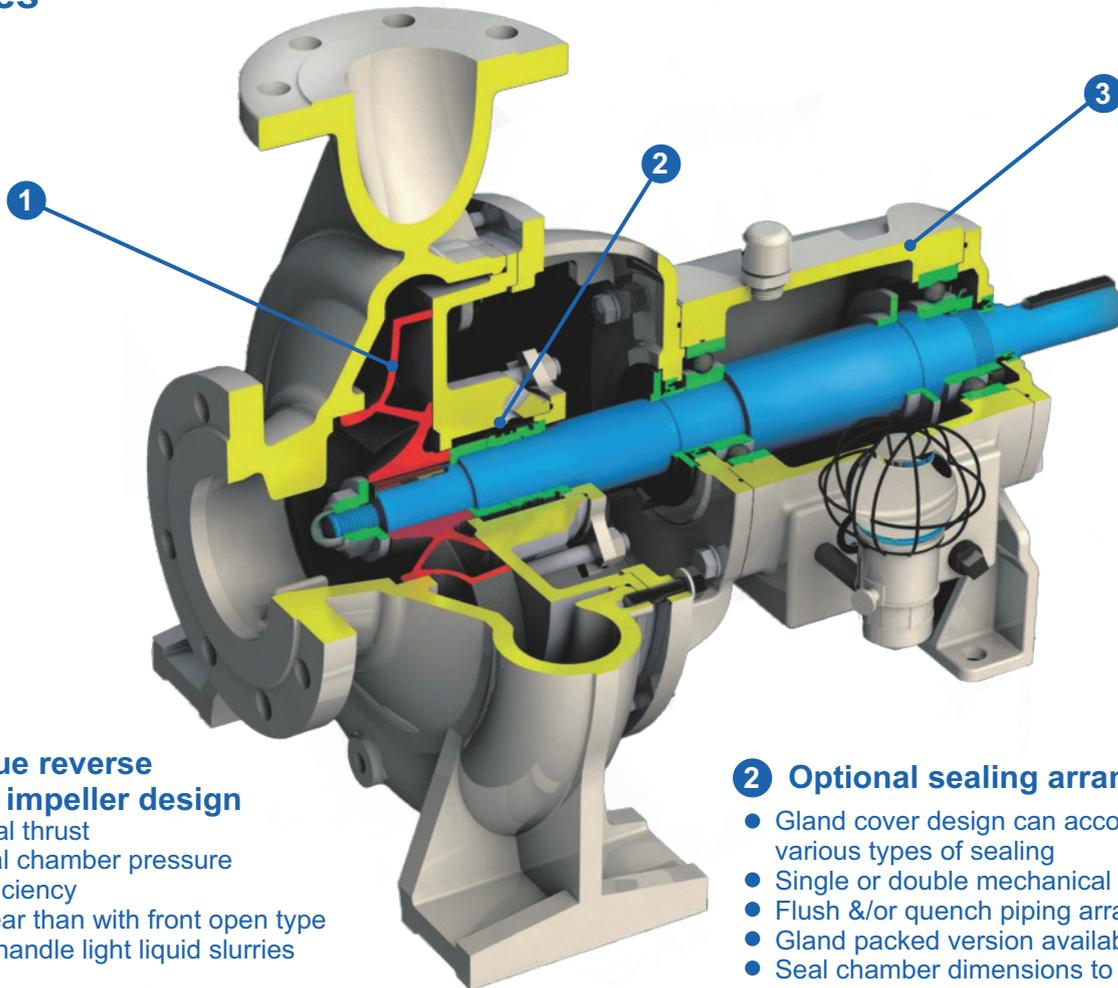
Technical Data

Type: End suction centrifugal process pump with reverse open impeller to ISO2858 & ISO5199

Temperature range: -30 to +150°C Maximum working pressure: 16 Bar

Casing & impeller materials: 304, 316, 316L & Duplex stainless steel available

Features



1 Unique reverse open impeller design

- Low axial thrust
- Low seal chamber pressure
- High efficiency
- Less wear than with front open type
- Able to handle light liquid slurries



Front side



Back side

- Unique shaped rear shrouds developed by EBARA utilising Computational Fluid Dynamics.

2 Optional sealing arrangements

- Gland cover design can accommodate various types of sealing
- Single or double mechanical seal
- Flush &/or quench piping arrangements
- Gland packed version available
- Seal chamber dimensions to ISO3069

3 Heavy duty design of shaft & bearing housing

- To ISO5199:
 - Deflection 50µm or less at shaft seal
 - Low vibration value of 3.0 or 4.5 mm/s or less
 - Long bearing life
- Grease or oil lubrication available
- Standard deep groove ball bearings due to reduced axial thrust



Applications

Food Industry

- Low viscosity (up to 100 cSt)
- Middle viscosity (up to 400 cSt)
- Starch, molasses, wort
- Filtration pump
- CIP pump

Paper & pulp industry

- Material production process (around digester, chemical recovery)
- Preparation process (chemical pump)
- Paper making process (Pulp pump 0.3% & below)

Petrochemical industry

- Chemical process

Inorganic chemical industry

- Acid
- Alkali

Semiconductor industry

- Ultra pure water production line

Fisheries industry

- Aquaculture (seawater)

Motor vehicle industry

- Machining line (Coolant centralisation)
- Painting line (Chemical conversion treatment, electrodeposition paint)

Steel industry

- Rolling facility (scale pit pump)
- Plating facility

Metal goods industry

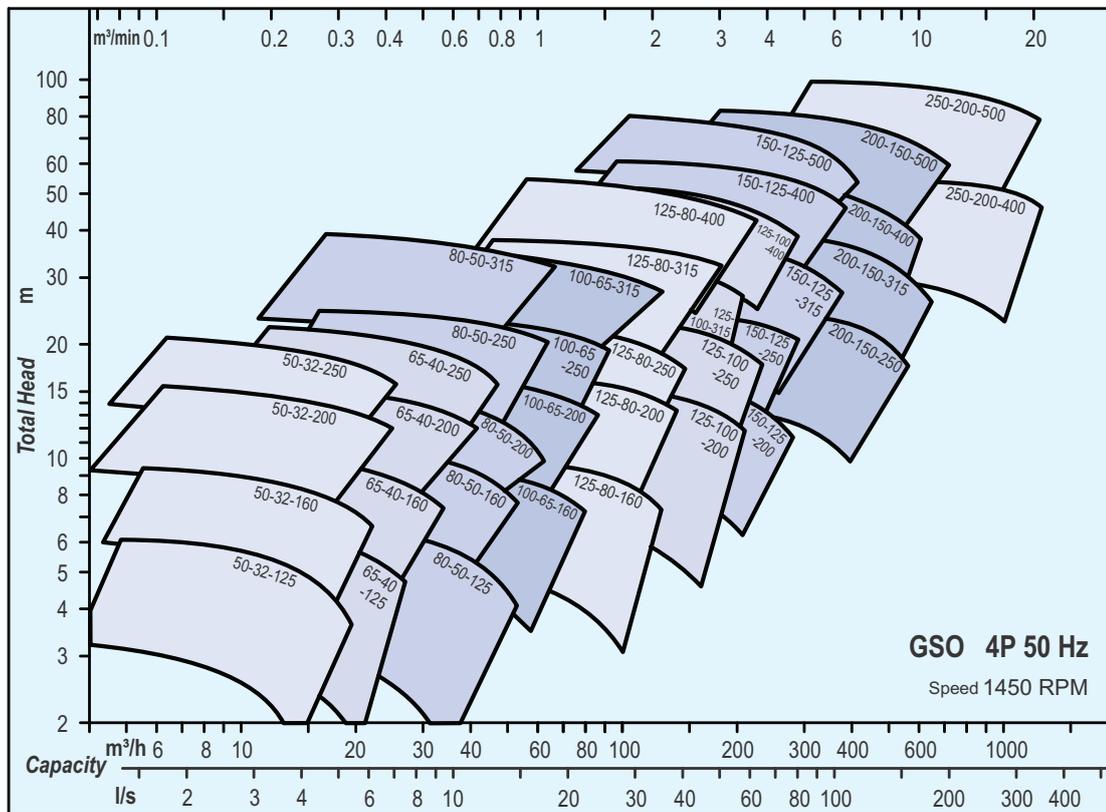
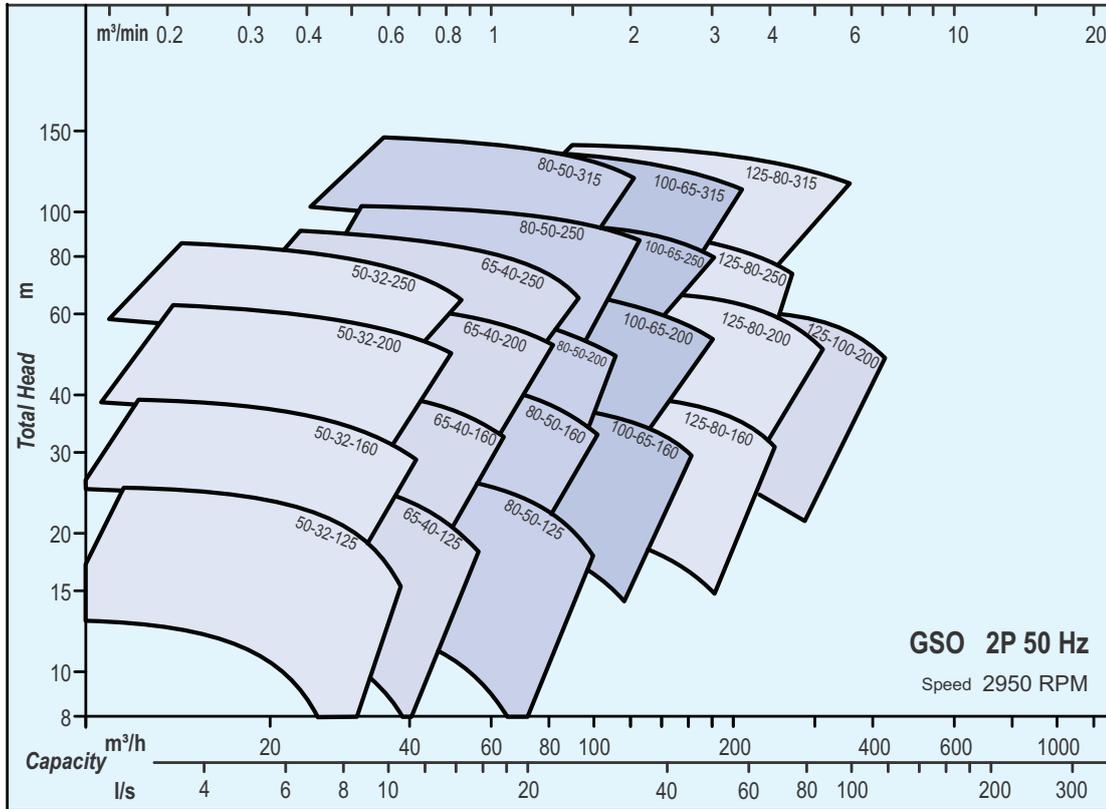
- Plating facility (degreasing, rinse water)

Range

- 37 Pump models
- Nominal impeller diameters from 125 to 500 mm
- Discharge sizes from 32 mm to 200 mm
- Flows to 1250 m³/h; Heads to 150 m
- Motor power required - 0.75 to 160 KW for 2 Pole; 0.55 to 355 kW for 4 Pole

Selection Charts

Model code: 80-50-250
 Discharge size - mm (top right)
 Suction size - mm (bottom left)
 Nominal impeller diameter - mm (bottom right)





EBARA

Other quality EBARA commercial & industrial pumps available in Australia include:-



Submersible sewage & waste water pumps

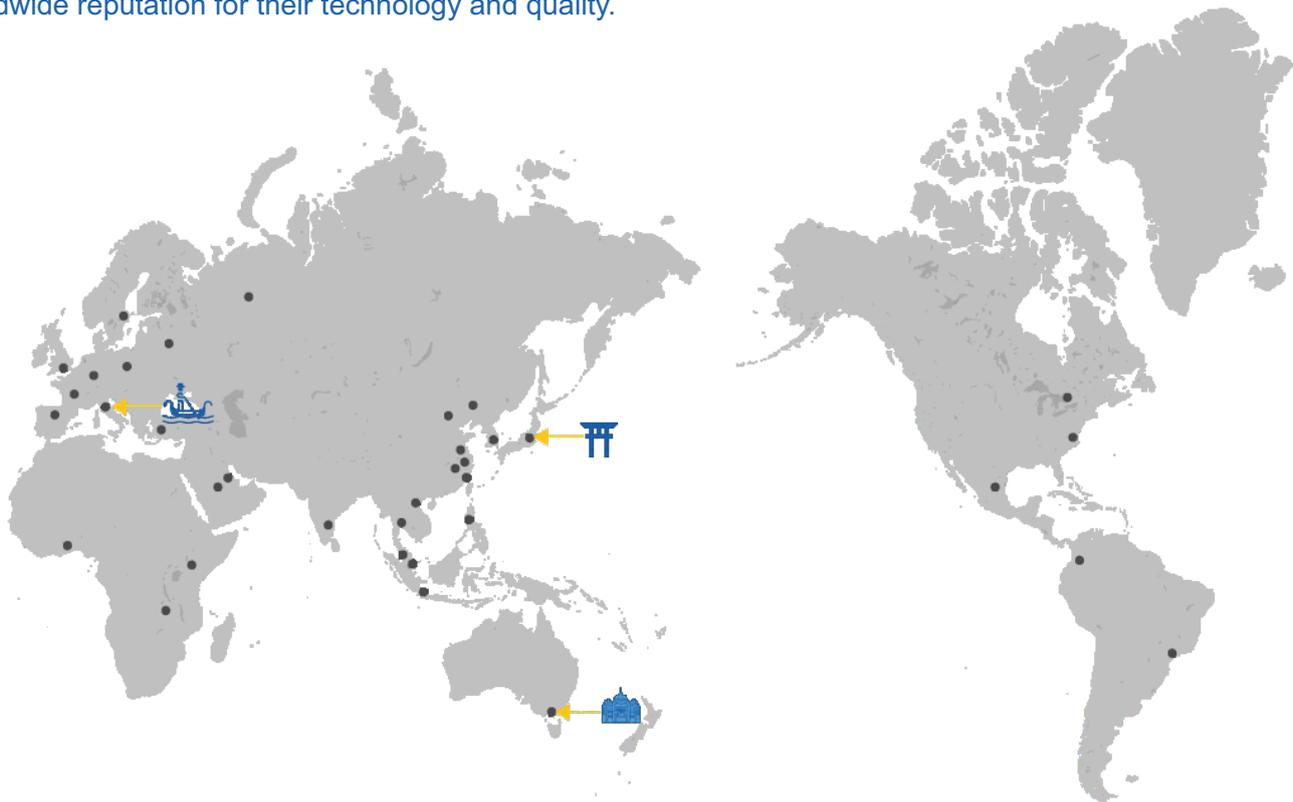


Vertical multistage pumps



Stamped stainless steel end suction pumps

EBARA CORPORATION was founded in Japan in 1912 as a manufacturer of pumps. Today, as a group, it consists of more than 100 companies in six continents with a workforce of more than 19,000 people, and with company owned and Japanese managed factories in eight countries covering 4 continents. The huge scale of production and distribution is matched by a constant commitment to research and design of new products and the modern technologies for manufacturing them. EBARA products have gained a worldwide reputation for their technology and quality.



For over 30 years EBARA PUMPS have been sold and used in Australia, satisfying many customers and gaining a reputation for their quality and reliability. EBARA PUMPS Australia Pty Ltd was established in 2000 to better service the market with an increasing range of quality products. A strong nationwide network of dealers support the sales and service of our extensive range of products.

Specifications subject to change without notice

24/10

Dealer



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