

PLR-NC CR

GENERAL INDUSTRY PUMP FOR SEVERE CONDITIONS For slurries, corrosive, abrasive liquids

●Construction:

- Specially designed to handle slurries with high level of very abrasive solids
- Grease or oil lubricated double tapered roller bearings for V-belt transmission or for direct drive
- Adjustable discharge nozzle position
- Closed type impeller screwed on shaft with front and back relief vanes
- Wear plate fitted on back of the impeller
- Adjustment of capacity-head characteristics by speed variation (V-belt transmission, frequency converter, etc.)
- Large clearances preventing wear
- Shaft sleeve-protected from pumped liquid (hard material sleeve)
- Shaft seal by packing, special slurry mechanical seal or hydrodynamic by expeller

●Standard materials CR:

- 26/5/2+Cu duplex stainless steel*
 - 18/10/2.5 stainless steel*
 - 20/25/4+Cu stainless steel*
 - Other stainless steel grades upon request
- * The values shown are the percentages in Cr/Ni/Mo.

●Standard materials PLR - NC:

- Martensitic cast iron 15-3
- Ni-hard cast iron
- 25 or 30% chromium cast iron or 30% chromium + Mo cast iron
- Hastelloy, ...

●Additional options:

- Vortex impeller
- Semi-open impeller
- Dynamic seal ("packing expeller")
- Special design for high temperatures

●Industries:

- Petrochemical industry
- Chemical industry
- Mining industry
- Steel industry
- Sugar industry
- Cement works
- Quarries

●Performances:

- Capacity : from 2 to 3,500 m³/h or from 100 to 15,000 U.S.gpm
- Total head : up to 130 m or 430 ft
- Maximum operating pressure : up to 10 bar or 145 PSI
- Temperature operating range : up to 150°C or 300°F
- Maximum speed : 2,500 rpm according to sizes

