

M-Series Centrifugal Slurry Pump



The Supreme-Duty Centrifugal Pump

The M-Series has been engineered for the toughest jobs in drilling, production, well-servicing, and industrial applications. The revolutionary design of the M-Series provides supreme-duty performance in all types of fluid pumping operations. Although it offers greater capacity and higher heads, the M-Series remains the competitive pump of choice for aggressive applications. The M-Series is more powerful, more durable, and easier to maintain than any conventional pump in use today.

- Up to 50% more capacity from the 8 x 6 pump
- Optimum pressure at low operating speeds
- Thicker casing to extend life from wear and corrosion
- New impeller design to reduce loads and extend bearing life
- Larger, stronger shaft to reduce deflection
- Replaceable shaft sleeve in packing wear area
- Larger, long-life bearings
- Replaceable stuffing box cover
- Smoother, non-turbulent flow throughout casing



Concentric Casing



Common applications include:

- Barite, ferric oxide and mineral oil base drilling muds
- Glass fibers
- Sugar processing
- Ash or coal conveyors
- Cement
- Mine de-watering
- Lime slurries
- Kaolin clay
- Crystalline forms

Typical configurations:

3x2x13	6x5x14
4x3x13	8x6x11
5x4x14	8x6x14
6x5x11	10x8x14

The Advantages of M-Series Centrifugal Pump

- 1** Thick, strong concentric casing provides higher efficiencies over a wider operating range than conventional volute designs. The concentric design minimizes turbulence and abrasive wear.
- 2** Wide open-vane impeller creates lower axial thrust for improved bearing life.
- 3** Casing gasket receded for protection.
- 4** Replaceable stuffing-box cover.
- 5** Optional stuffing-boxes available for single and double mechanical seal applications and configured for flush liners.
- 6** Full pipe diameter entrance for minimum turbulence and maximum efficiency.
- 7** Smooth impeller eye for minimum turbulence and higher efficiency.
- 8** Back vanes reduce collection of solids at stuffing box and reduce box pressure.
- 9** Long-life no-adjustment mechanical seal available for near zero leakage.
- 10** Replaceable shaft sleeve prevents shaft wear.
- 11** Single row roller bearings for increased bearing life.
- 11a** Roller Bearings are used for all models.
- 12** Duplex angular contact bearings eliminate shaft end play and increases bearing and seal life.
- 13** Oil lubrication for bearings for pump speeds in excess of 2400 rpm, upon request.
- 14** "Frictionless" bearing isolators available to extend bearing life and improve pump efficiency.
- 15** Optional flanged bearing housing available for hydraulic drive.
- 16** Large supreme-duty shaft reduces deflection for longer life of packing and mechanical seals.
- 17** Easy to get to front access drain, when requested.
- 18** External adjustment of impeller clearance extends pump performance life.
- 19** Impeller anti-loosening device to eliminate pump damage in case of improper motor hook-up.

