

SERIES "WA.F" – Wide Throat Pumps

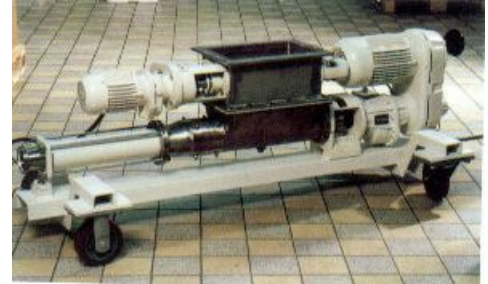
Performance Data

Max. Capacity	200 M ³ /Hr
Max. Pressure	24 bar or more for system pressures
Max. Temperature	140 ⁰ C
Max. Viscosity	1,000,000 CSt
Max. Solid Size	Soft & Compressible 120 mm, Hard & angular 30 mm



Salient Features

- Hopper type suction inlet-eases entry of thick 'Plastico-Viscous' material.
- Forced feed augar to push 'difficult to flow' media into pumping cavity.
- Solid shaft- Handles solids with ease.
- Available in Bareshaft or Close coupled configurations
- Wide choice of materials to suit corrosive and / or abrasive media
- Torsion free metal Bonded stator for increased life, higher efficiency and per stage pressure
- High Suction lift capability up to 8.4 MWC
- Double articulated sealed joints ensures smooth power transmission and longer service life of critical components. Alternately, Cardan Joints and Flexishaft design options are also available.
- Shaft sealing standardized to ISO 3069. Allows mounting or dismantling without disassembling shafts from the bearing. Shaft sleeves provided optionally.
- Handles solid in suspension or mixture containing high percentage of solids.
- Works on snore i.e., handles high percentage of air with liquid.
- Very low internal velocity reduces wear due to erosion and corrosion.
- Metered uniform flow with minimal pulsation avoids risk of damage to shear sensitive products.
- Gate and Check Valves not needed as the pump are self priming.
- Suction & Delivery ends can be interchanged by merely changing the direction of rotation of the pump.
- Handles any liquid from water to abrasive slurry and froth to viscous media.
- Conveniently located inspection windows available optionally.
- Tapered roller bearing design available for longer life and better thrust load bearing capacity.
- For food and beverage applications, aseptic design in complete Stainless Steel construction and port flanges in SMS/IDF available.
- Available in Bare shaft or Close coupled configurations.



Material of Construction (for "WA")

Housing Components	Cast Iron, Cast Steel, AISI-304, AISI-316 & AISI-316L
Rotating Parts	Rotor, Shafts, Coupling Rods, Pins & Bushes in Alloy Steel, AISI-304, AISI-316, AISI-316L or other exotic Monel Alloys.
Stator	Stator Hardness in 60 ⁰ A & 70 ⁰ A, Black or White both available from a wide range of polymer choice such as Natural, Nitrile, Neoprene, Butyl, EDPM, Silicon, Viton or PTFE, Non-Contaminating Food Grade Stators also available.
Base Frames	Mild Steel or Stainless Steel (cladded or whole) Fabricated.

Material of Construction (for "WF")

Housing Components	AISI-304, AISI-316 & AISI-316L finished to 3A US Sanitary Standards
Rotating Parts	Rotor, Shafts, Coupling Rods, Pins & Bushes in AISI-304, AISI-316 or AISI-316L

Stator	Stator Hardness in 60 ⁰ A & 70 ⁰ A, Black or White both available from a wide range of polymer choice such as Natural, Nitrile, Neoprene, Butyl, EDPM, Silicon, Viton or PTFE, Non-Contaminating Food Grade Stators also available.
Base Frames	Mild Steel or Stainless Steel (cladded or whole) Fabricated.

Fluids Handled / Applications

Media with solid content e.g. De-watered effluent sludge, High consistency Paper Pulp, Very thick pasty viscous media like Bulk Explosives & Emulsion Matrix/Mix, Filter cakes e.g. Soya cake, Difficult to flow abrasive media such as Grout Mix, Magma, Masecuite, Waste Asbestos Slurry , Printers Ink Paste, Viscous Chemical Slurry, Emulsions, Aluminum/Magnesium Hydroxide Paste, Adhesives & Sealant, Cement Slurry, Chyawanprash, Chocolate Mix, De-Waxed Gum & Oils, Drilling Mud, Epoxy Mix, Fuel Oil Sludge, Glue, Gum Sludge, Grout Mix, Instant Tea, Paper & Cellulose Pulp, Paper Coating Mix, Petroleum Jelly, Resins, Sewage Sludge (Raw & Digested), Sodium Silicate, Toothpaste, Fruit & Vegetable Mash, Viscose, Yeast, Food Products like Noodles, Rava/Idli Mix, Shrikhand, Ghee, Lecithin, Lithophone Paste, Non-Newtonian fibrous and low moisture content slurry, AND MANY MORE NUMEROUS FLUIDS.