

Stirrers

High Speed Dispenser



High speed disperser is specially designed for high speed dispersion, dissolution and homogenization of the material having low viscosity range up to 1000 cps. This advanced dispersion technology produces extremely high quality products in less time and substantially less cost.

The machine is assembled around a center column and head including drive with dispersing blade is raised and lowered by motorized / hydraulic system. Container fixing brackets are provided self centering with locking arrangements.

For high speed dispersing top entry agitator shaft with serrated cutter blade / shear disk is provided. The blade is easily detachable. Detachable cylindrical bowl with flat / Terri-spherical bottom of suitable dimension and blade is constructed out of SS 316/SS-304/ MS material.

Drive

Agitator shaft rotates with the help of suitable bearing house fitted on head with V belt pulleys and electric motor. If variable speed is required, variable speed belts, pulleys or AC frequency unit will be provided.

Special Features

- Bowl will be jacketed for heating or cooling.
- Mixer can be designed to operate under vacuum to avoid air entrapment in product during mixing.
- The bowl will be provided with caster wheels for easy movement for cleaning, washing and handling mixed materials.
- GMP / Non GMP / FLP construction.

Application

Generally used in mixing of liquid-liquid, liquid-solid such as paint, printing ink, pigment, chemicals, food, pharmaceuticals, plastics etc.

High / Low Speed Stirrer



Portable industrial fluid mixers bearing name ranges from 0.25 kw to 5.5 kw and incorporates bonus and cost saving feature of flexibility.

Typical Applications for Direct Drive Pca/Pcf Models:

These models are compact direct drive mixers used for mixing of aqueous solutions in chemical industry: Chemicals for water softening plants, soft drinks and mineral water industry; milk in dairies and creameries, perfumes, chromium and nickle plating solutions, glazes for tile manufacture, tanning chemicals, dye-stuffs liquids, essences and essential oils, thin lacquers and varnishes, brine mixing, etc.

Some Applications for Medium & Slow Speed Mixers-Pga/Pgf/Pds Models:

These models are used for viscous and semi-viscous solutions in the industry and applications like gelatine and adhesives; detergent solutions; oil blending and mixing for soap works; paint mixing and blending sugar solutions in beet sugar industry; rubber latex and Chemicals; heavy pottery slips and glazes; mixing of sizes and starches; maintaining fliter and suspension; preparations of sauces, ketchups, cosmetics, baby foods, pharmaceuticals, etc. Belt driven PDS models are most suited for R & D or multi purpose mixing requirements.

Few Applications for High Speed Homogeniser/Emulsifiers Model Phs/Pht/Phi:

These models are used for pre-dispersion of paints, printing inks, filter pressed cake of dyestuffs, varnishes, adhesives, textile printing pastes, TiO₂ dispersion in ethylene glycol, paper coatings, cosmetic creams, pastes, food products like ketchups, oral suspension, wax emulsion, syrup preparations, rubber adhesives preparations, pesticides and insecticides, soap and detergents, etc.

Availability:

Standardisation of models with interchangeable components enable units to be stocked in knock down condition-result: off-the-shelf or very short delivery times ..and the biggest benefit of standardised components COMPETITIVE PRICES!