

Diaf Pilvad, an Admix Company, offers a selection of high speed mixers for effectively dispersing powders into liquids. Featured dispersers for your lab scale and production scale batches include the Diaf Pilvad Laboratory Agitator Series and the Dissolver 1200ZH.

LABORATORY AGITATORS

Tabletop agitators from Diaf Pilvad are ideal for small-scale production and your research and development. This versatile and easy to clean mixer is available in many configurations (motor types, mounting options, etc.). The mixing shaft is interchangeable with a threaded coupling, and they can be used with a range of impellers.



DISSOLVER 1200ZH

High speed disperser (HSD)

Production size high speed disperser for pre-mixing, dispersion, and finishing batches. Features and benefits include:

- Power efficient design for dispersion, pre-mixing, and finishing products
- Good dispersion for pre-mixing and finishing at lower power consumption
- Powered hydraulic hoist for raising and lowering, with built in safety features; eliminates leaking air over oil lift systems
- Adjustable camlock for tanks with 23.6-47.2-inch diameter, mounted on the column with built-in safety cut-out switch
- Max tank volume: 1200 liters (300-gallons / six drum batch)
- TEFC 25-60 HP constant torque inverter duty motors
- VFD with separate at-tank speed control box available
- Dual and triple shaft with sweep agitation available for higher viscosity mixing
- Available with Class 1-2 Div. 1-2 explosion proof motors to meet the criteria for hazardous environments
- Protection types available: IP54 fan-cooled enclosure, EExe de II B/C T4 flameproof
- CE/ATEX marked in conformity with Machine, Low Voltage and EMC Directives
- Vacuum capable units available



Applications for high speed mixers/dispersers

Low to Medium Viscosity Formulas, Incorporating, Dispersing & Deagglomerating (high shear single shaft)

- Pigments & Fillers
- Surfactants/Wetting Agents
- Viscosity Modifiers
- Rheology Modifiers
- Matting Agents
- Gloss Additives
- Chip & Slow Flow Resins
- Metallics
- Pearlescent
- Fungicides
- Flush Adds
- Let Down & Finishing
- Custom Color Blending
- Dissolving/Solubilizing
- Adhesives
- Elastomers
- Epoxies
- Urethanes
- Fertilizers
- Pesticides



High Shear Dispersion of High Viscosity and/or Thixotropic Formulas (high shear dual & triple shaft)

- Flexographic & Gravure Inks
- 100% Solids/Low VOC UV/EB Inks and Coatings
- Low Migration Inks
- Flush Blends and Let Downs
- Wall Spackle/Filler
- Auto Body Fillers
- Vinyl Concrete Fillers
- Hot Melt Adhesives
- Polymer Blends
- Thickeners
- Temperature Sensitive Formulas
- Extreme Low to High Viscosity Phase Shifts
- Reactions
- Caulking
- Shear Sensitive Blends
- Supersaturating
- Emulsifying
- Viscoelastic Formulas
- Degassing/Deaeration

