

Small Mixers

Today's applications demand high-performance process equipment accompanied by total support for customers' mixing needs. To address these requirements, Chemineer offers a line of topentering and portable mixers. Superior materials of construction throughout, along with advanced modular designs give each one the strength, flexibility and reliability to perform to the same standards as all Chemineer agitators and mixers.



Portable Models

- XPC (C-clamp mount standard, as shown)
- Express, standard models ship in 48 hours
- Standard IEC motor
- High strength, low weight cast aluminum housing
- Integral handle for ease of positioning
- Multi-directional clamp for horizontal and vertical adjustment
- Optional cup plate mounting for increased stability
- Direct Drive — 1400 RPM

Open Tank Models

- DTD models
- Easy installation
- Low maintenance
- Express, standard models ship Ex Works in 3 – 5 days
- Integral motor/gear drive — 290 RPM
- Capable of handling solids or high viscosity applications
- 25mm or 40mm shaft diameter
- Sealed for life gearboxes

Tool Specification

Impeller Options

Chemineer impeller designs are the result of over 60 years of research and applied application experience. Chemineer developed technologies are applied to thoroughly analyse all process parameters, ensuring proper impeller selection for optimal performance in every application. Carbon steel, 316/316L stainless, high alloys and coatings are available.



SC-3 Impeller

The **SC-3 impeller** features an advanced design that produces flow characteristics of larger impellers without added weight or loss of efficiency. The SC-3 is a high pumping axial flow impeller with low shear used for blending and motion or solid suspension.



JP-3 Impeller

The **JP-3 impeller** is a marine style energy efficient design ideal for small batches and is able to handle higher viscosities than standard hydrofoil designs. It is a high efficiency axial flow impeller used for liquid blending on our smallest turbine agitators.

Quick Selection Guide

| Product | Viscosity (cP) | Volume (L) | | | | | |
|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | 250 | 500 | 1000 | 2000 | 4000 | 5000 |
| Water, Kerosene | 1 | 30XPC-1.5 | 30XPC-1.5 | 30XPC-1.5 | 20DTD-0.75 | 20DTD-0.75 | 20DTD-0.75 |
| | | 125 mm JP-3 | 135 mm JP-3 | 160 mm JP-3 | 270 mm SC-3 | 365 mm SC-3 | 365 mm SC-3 |
| Olive Oil | 100 | 30XPC-1.5 | 30XPC-1.5 | 30XPC-1.5 | 20DTD-0.75 | 20DTD-0.75 | 40DTD-1.5 |
| | | 135 mm JP-3 | 150 mm JP-3 | 160 mm JP-3 | 290 mm SC-3 | 365 mm SC-3 | 390 mm SC-3 |
| Glycerin | 500 | 30XPC-1.5 | 30XPC-1.5 | 20DTD-0.75 | 20DTD-0.75 | 40DTD-1.5 | 40DTD-1.5 |
| | | 150 mm JP-3 | 150 mm JP-3 | 290 mm SC-3 | 320 mm SC-3 | 390 mm SC-3 | 420 mm SC-3 |
| Castor Oil | 1,000 | 30XPC-1.5 | 30XPC-1.5 | 20DTD-0.75 | 20DTD-0.75 | 40DTD-1.5 | 40DTD-1.5 |
| | | 160 mm JP-3 | 160 mm JP-3 | 320 mm SC-3 | 320 mm SC-3 | 420 mm SC-3 | 420 mm SC-3 |