

SMALL MIXERS



direct driven mixer
on an open top tank



direct drive mixer with
compressed air drive motor,
suit open tank

DIRECT DRIVE And GEAR DRIVEN



helical gear driven mixer
with circular mounting flange
to suit a closed top tank



gear driven mixer with bevel helical
gear unit on a closed top vessel at
atmospheric pressure

SERIES 25 SERIES 30 SERIES 35

The smaller range of mixers,
series 25, 30, and 35
are available as

- direct drive, or
- gear drive with
- helical gear unit
- bevel helical gear unit
- or worm gear unit

to suit open top tanks
or closed top tanks



worm gear driven mixer
with circular mounting flange
for closed top (aseptically sealed) vessel
and extremely low profile height

WITH CHOICE OF MOTOR

- electric, indoor location
- electric, outdoor location
- electronic variable speed
- mechanical variable speed
- compressed air driven
- hazardous location, eg
EX'n, EX'e, EX'd

AND MOUNTING ARRANGEMENT

- open top tank, no cover
- open top tank, removable cover
- closed top tank, atmospheric pressure
(with lip seal)
- closed to tank, elevated pressure
(with mechanical seal)

AND WETTED PARTS

- stainless steel
grades 316, 304, 2205 and titanium
- a wide variety of impellers and impeller
combinations

for
Flexibility
and
Durability



direct drive mixer unit
pipe stand mounted



pipe stand mounted mixers



variable speed gear driven
mixer pipe stand mounted



with variable speed drives



Series 25 direct drive mixer
open top tank



Series 25 direct drive mixer
Closed tank – atmospheric



Series 25 gear driven mixer
sealed tank, atmospheric



Reaction Tank & mixer



Series 35 gear driven mixer
Square mounting plate



Series 35 gear drive mixer
Circular mounting flange



for fermentation vessels

The Series 25 mixer is available
with pipe stand mounting arrangement.

The stand is mounted independent of the vessel,
with the mixer located on top of the stand.
This feature is particularly intended for vessels
which are unable to support the weight and loads
of the mixer unit, such as moulded plastic tanks.

In either direct drive or gear drive,
the mixer is able to be swivelled side to side and
locked in the position which optimises the mixing
fluid dynamics.

The pipe stand is also able to support electrical
apparatus, such as Emergency Stop switches, or an
electronic variable speed drive.

Series 25, 30 and 35 Fixed top entering mixers

For vessels at atmospheric pressure and non toxic
contents, the square mounting plate suits parallel
rails over the vessel.

For vessels at atmospheric pressure and with
hazardous contents, the square mounting plate
suits closed top lids on the vessel.

For closed vessels, such as

- reactors operating at elevated temperature and pressure (shown is vessel with external spiral wound steam heating)
- vessels for the mixing of hazardous liquids, such as toxins, aromatics, solvent based liquids, etc
- food grade vessels with aseptic requirements (shown is a closed top vessel used for blending of yoghurt bio-cultures and pasteurised milk)

the Fluid Solutions mixer units are available with a
choice of either

- single acting lip seal (pressure < 2psi)
- single acting mechanical seal (pressure 0 – 5 bar)
- double acting mechanical seal with seal flush system or pressurised barrier fluid system.

customised
and
economic