



radial flow impeller on bottom of tank
type "RF"



anchor stirrer with side scaping devices



radial flow on bottom, dispersion disc on top
type "RF" + type "DD"



retreat curve impeller
in either 3 blade or 4 blade configuration
type "RC"

RADIAL FLOW IMPELLERS

Comprise the range of "flat blade impellers" for gear driven mixers, or "toothed blade impellers" for direct drive mixers.

The flat blade impellers are most suitable for gear driven mixers which require low level blending at the vessel base (when the liquid level is minimised) or for applications which require "non clogging" designs (for fluids with fibrous material content).

The toothed blade impellers operate at high rotational speed (direct drive mixers) and provide high shear rates for rapid dispersion of powders into liquids. Rotor / Stator impellers provide the necessary shear rates to produce homogenous emulsions from immiscible liquids.

Radial flow impellers have specific application in industrial mixing, and can be combined with axial flow impellers to produce defined fluid dynamics.

In many instances, the optimum mixer will require a steady bearing located at the vessel base to support the impeller shaft.

In these cases, alternative designs are available in differing materials.



high speed dispersion disc
for high shear applications with low viscosities
type "DD"



high speed dispersion disc
for high shear applications with high viscosities
type "MILLER"



rotor stator mix head
for emulsification and homogenisation of immiscible liquids
type "RS"



tripod style steady bearing
with Teflon or Ertalon bushing



tripod style steady bearing with bronze bushing