



## Radial Flow Impeller Types

### Retreat Curve Impeller (RCI)



The retreat curve impellers are excellent uniformity of dispersion in the tank and fluidization of material in solid-liquid mixing and slurry mixing under low-revolution and low dynamic power conditions. Their proximity to the tank bottom makes them less susceptible to liquid surface fluctuation and ensures particle uniformity. Retreat Curve Impellers are designed without sharp edges to make them easy to coat with glass. Although other more efficient glass-coated impeller designs are currently available, the retreat curve impeller is still in common use.

#### Advantages

- The retreat curve Impellers are designed without sharp edges to make them easy to coat with glass.
- The retreat curve Impellers are designed for ease of product discharge and prevention of batch to batch contamination.

#### Applications

- General or multiple purpose mixing, high pumping volume, low to medium viscosity.

#### Technical features

- Many of the chemical reactor vessels used in the pharmaceuticals industries are glass-lined to provide corrosion prevention and to avoid product contamination.
- Typically the reactors contain retreat curve impellers which may have been modified to fit into a conical-based vessel.