**AXIAL IMPELLERS**

**10 SG**
- Axial Flow
- Excellent pumping rates
- Low shear mixing
- Medium to high viscosity
- 1, 3 or 4 blades

**Applications:**
- Homogenization
- Solid suspension
- Heat Transfer
- Draft Tube (Impeller C)
- Side entry (4 blades)
- WWT

**HPM 20**
- Axial Flow
- High pumping rates
- High mixing efficiency
- Low and medium viscosity
- 1, 3 or 4 blades

**Applications:**
- Homogenization
- Solid suspension
- Heat Transfer
- WWT

**HPM 10**
- Axial Flow
- Good pumping rates
- Low and medium viscosity
- 2, 3 or 4 blades

**Applications:**
- Homogenization
- Solid suspension
- Heat Transfer
- WWT

**HPM 5**
- Axial Flow
- Very low shear mixing
- 2 blades
- Low viscosity

**Applications:**
- Solid suspension
- Crystallization
- Used principally for crystallization of alumina
- Multistage agitator

**PBT**
- Axial and Radial Flow
- Shear mixing
- Blades are mounted at an angle of 10° to 90°
- Low viscosity
- 2, 4 or 6 blades

**Applications:**
- Homogenization
- Heat Transfer
- Reactive dispersion & incorporation

**MARINE**
- Axial Flow
- Good pumping rates
- Low viscosity
- High mixing efficiency

**Applications:**
- Homogenization
- Solid suspension
- Heat Transfer
- WWT

**R**
- Axial Flow
- High pumping rates
- Low and medium viscosity
- Low shear mixing

**Applications:**
- Homogenization
- Solid suspension
- Heat Transfer
- WWT

**S**
- Axial Flow
- High shear mixing
- Low viscosity
- Fast agitation (High speed)

**Applications:**
- Homogenization
- Flash-mixing
- Treatment of sewage sludge (presence of yarns and fibers)
- WWT

**31T**
- Axial Flow
- Fast agitation (High speed)
- Low viscosity
- Low volume

**Applications:**
- Flash-mixing
- Homogenization
- WWT

**2R**
- Axial Flow
- High pumping rates
- Low viscosity
- Low shear mixing
- 2 blades

**Applications:**
- Homogenization
- Simple Floculation
- WWT

**HXP HP1**
- Axial Flow
- 3 blades
- Low viscosity
- For fluid product (without solid load)

**Applications:**
- Homogenization
- WWT

**HXP HP2**
- Axial Flow
- Low Shear mixing
- Low viscosity
- For fluid product (without solid load)

**Applications:**
- Homogenization
- Simple Floculation
- WWT
We are a proud member of Accudyne Industries, a leading global provider of precision-engineered, process-critical and technologically advanced flow control systems and industrial compressors. Delivering consistently high levels of performance, we enable customers in the most important industries and harshest environments around the world to accomplish their missions.

**RADIAL IMPELLERS**

- **Rushton Turbine**
  - Radial Flow
  - Gas-Liquid/Liquid-Liquid Transfer
  - For low to medium viscosities
  - Low viscosity
  - High shear
  - Applications: Hydrometallurgy, Heat Transfer, Coupled with axial flow impeller, Low off-bottom placement for assisting solid suspension

- **Flat Blade Turbine**
  - Radial Flow
  - Gas-Liquid/Liquid-Liquid Transfer
  - For low to medium viscosities
  - Low viscosity
  - High shear, 2, 4 or 6 blades
  - Applications: Hydrometallurgy, Heat Transfer, Coupled with axial flow impeller, Low off-bottom placement for assisting solid suspension

- **Curved Blades Turbine**
  - Radial Flow
  - Low level agitation
  - Low Shear
  - Low viscosity
  - Applications: Prevents solid settling, Solid suspension, Heat Transfer, Low off-bottom placement for assisting solid suspension

- **Brogim**
  - Radial Flow
  - High Gas-Liquid Transfer
  - High pressure reaction
  - Low viscosity
  - Applications: Bio-Hydrometallurgy

- **Self Section Turbine**
  - Radial Flow/Self aspiration
  - Gas-Liquid Transfer
  - Low viscosity
  - Applications: Hydrogenation, White liquor, WWT (O2 injection T2)

- **High Shear Impeller**
  - For high shear applications
  - High speed dispersion
  - High viscosity
  - Used to break down solids
  - Applications: Deagglomeration, Emulsification

- **6 Radial Blades Turbine**
  - Two removable parts
  - Low viscosity
  - Used to break down solids
  - Applications: Sulfur Melter, Heat transfer, Coupled with axial flow impeller, Low off-bottom placement for assisting solid suspension

**SPECIAL IMPELLERS**

- **HPM/TPM**
  - Special Bottom impeller
  - Low and medium viscosity
  - Applications: Hydrometallurgy, Prevents solid settling, Used principally for Alumina precipitation & coupled with HPM 5

- **Counter Flow Impeller**
  - Axial Flow
  - Mixing viscous fluids (High viscosity)
  - Low Re number (laminar or transitional)
  - Applications: Polymerization, Food process, Dispersion of non-Newtonian fluids