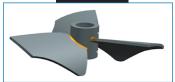


# **AXIAL IMPELLERS**

### 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 Hight pumping rates Hight mixing efficency 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

### **HPM 5**



Axial Flow Very low shear mixing 2 blades Low viscosity

#### **Applications:**

Solid suspension Crystallization Used principally for cristalization 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 Hight mixing efficency

#### **Applications:**

Homogenization Solid suspension Heat Transfer

### R



Axial Flow High pumping rates Low and medium viscosity Low shear mixing

#### **Applications:**

Homogenization
Solid suspension
Heat Transfer
WWT



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 Homogeneization 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)

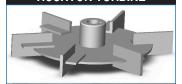
#### **Applications:**

Homogenization Simple Flocculation WWT



# **RADIAL IMPELLERS**

#### **RUSHTON TURBINE**



Radial Flow Gaz-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 (02 injection T2)

### HIGH SHEAR IMPELLER

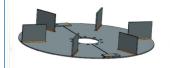


For High shear applications High speed dispersion High viscosity Used to break down solids

#### **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

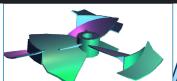


Special Bottom impeller Low and medium viscosity

#### **Applications:**

Hydrometallurgy
Prevents solid settling
Used principally for Alumina
precipitation & coupled with

### **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

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