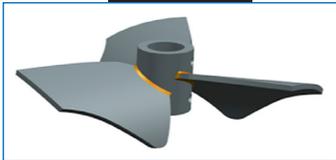


AXIAL IMPELLERS

10 SG

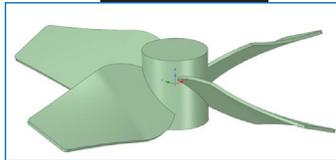


Axial Flow
Excellent pumping rates
Low shear mixing
Medium to high viscosity
1, 3 or 4 blades

Applications:

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

HPM 20

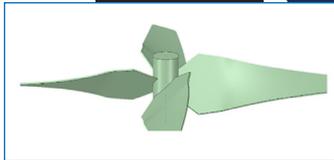


Axial Flow
High pumping rates
High mixing efficiency
Low and medium viscosity
1, 3 or 4 blades

Applications:

Homogenization
Solid suspension
Heat Transfer
WWT

HPM 10

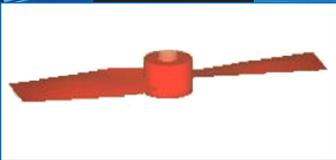


Axial Flow
Good pumping rates
Low and medium viscosity
2, 3 or 4 blades

Applications:

Homogenization
Solid suspension
Heat Transfer

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

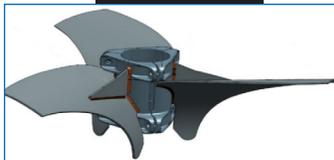


Axial Flow
Good pumping rates
Low viscosity
High mixing efficiency

Applications:

Homogenization
Solid suspension
Heat Transfer

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

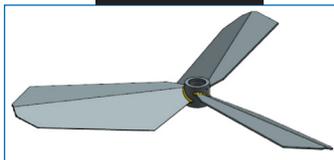


Axial Flow
High pumping rates
Low viscosity
Low Shear mixing
2 blades

Applications:

Homogenization
Simple Flocculation
WWT

HXP HP1

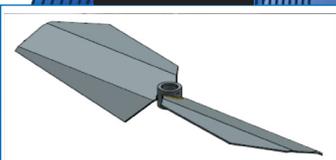


Axial Flow
3 blades
Low viscosity
For fluid product (without solid load)

Applications:

Homogenization
WWT

HXP HP2



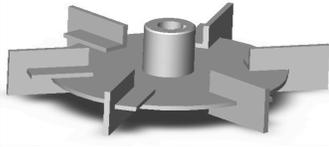
Axial Flow
Low Shear mixing
Low viscosity
For fluid product (without solid load)

Applications:

Homogenization
Simple Flocculation
WWT

RADIAL IMPELLERS

RUSHTON TURBINE



Radial Flow
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

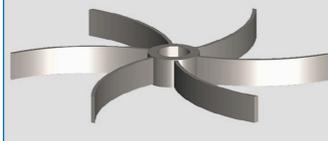
FLAT BLADE TURBINE



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)

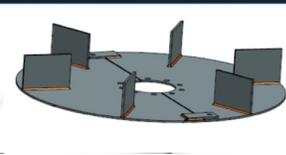
HIGH SHEAR IMPELLER



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

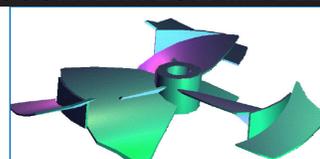
HPM/TPM



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