

# Know your Mixer Impeller/Agitator Blade Axial Flow Impellers

Axial flow impellers are shear impellers that facilitate axial flow in fluids (cyclic movement of fluid in a down-up direction).



Individual blades are typically pitched at a 45 degree angle to facilitate shear stress.

Axial flow impellers have a balanced shear stress to fluid displacement ratio.



This ratio can be varied by using blades with a different pitch to match the application.

They are well suited for a broad range of applications, making them one of the more common types of impellers. Applications include:

- High to low viscosity fluid blending
- Suspension of solids, flocculation
- Gas dispersion

You can learn more about the type of mixer impellers best suited for your applications by contacting our experienced professionals at **1-800-367-4180.**

or visit [www.visserssales.com](http://www.visserssales.com)

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