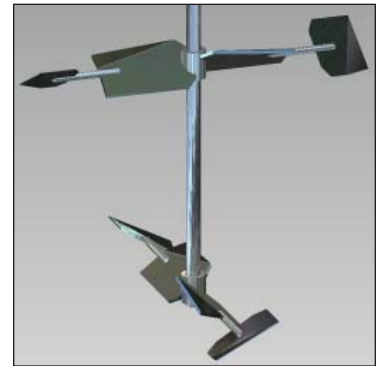
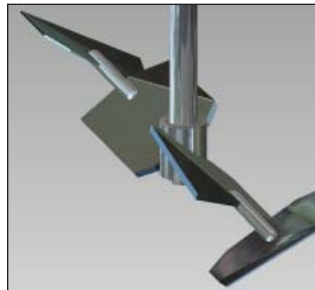




# A-620 Impeller

## For Transitional Flow Regime - Medium to High Viscosity Fluids

The LIGHTNIN A620 impeller has been designed and tested specifically for improved mixing performance in transitional flow regime blending applications. Certain applications, including smaller vessels and blending non-Newtonian materials, will benefit from the unique advantages of the A620 designs. Common examples include: personal care products, heat transfer applications, polymerizations and asphalt products.



### FEATURES of A620

Low blade profile  
Low power number  
Large impeller diameter to tank diameter ratio

Reversible design

Separation of inner and outer blades

More efficient transitional operation

Axial flow pattern

### BENEFITS of A620

Can pass into vessels with limited manway openings

Larger D/T with lower torque

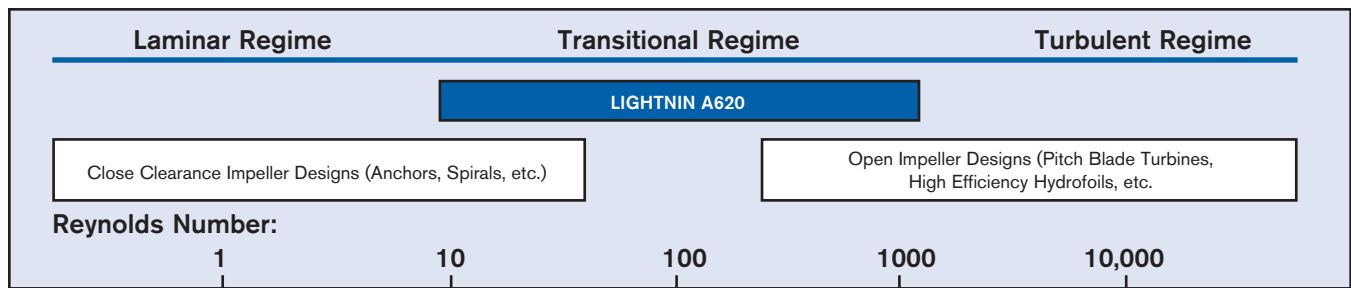
Lower power required for bulk motion, blending and heat transfer applications, especially in high viscosity and/or non-Newtonian fluids

Impeller can be run clockwise or counter clockwise for process flexibility

Lower turbulence, smooth transition, more flow, less power

Less power required than open impellers for bulk motion, lower cost than close clearance impellers (anchors/spirals)

Better process uniformity in the vessel from top to bottom



The A620 fills the gap between open impeller designs and close clearance designs.

## Double Blade Design for Total Versatility

- Developed and tested using exclusive Laser Doppler Velocimeter (LDV) technology.
- Multiple, offset impellers design allows easy installation through minimum manway openings.
- Reversible design provides either (1) down-pumping at shaft and up-pumping at impeller blade tips, or (2) up-pumping at shaft and down-pumping at blade tips for application flexibility.
- Available in a wide range of materials, sizes and finishes for use in ALL suitable applications.

## LIGHTNIN Lab & Tech Center

### Maximum Technology- State-of-the-art and Science

The ultimate in customer service - At LIGHTNIN, customer satisfaction is more than just a goal. It's a promise. One of the ways we deliver is by providing you with the ultimate customer service: process and mechanical testing at no charge in the LIGHTNIN Lab & Test Center. Located in Rochester, NY, this 20,000 sq. foot facility gives you access to the most advanced research and development technology in the industry. Our highly skilled application engineers and research technicians work closely with you to determine exactly which mixer configuration is best suited to your needs.

### Maximum Flexibility- Three ways to test for the best

- 1) We will test your actual materials.
- 2) We will test a substitute material with similar properties in the even the actual materials are impossible to test off-site.
- 3) We will run full-scale performance tests for you - on or off-site.

Your local contact:

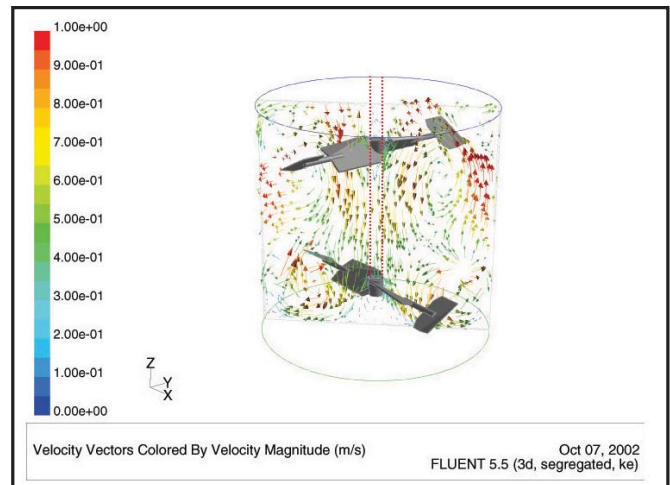


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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.lightninmixers.com](http://www.lightninmixers.com).

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Issued: 11/2009 B-915



Computational Fluid Dynamics Modeling Used In A620  
Development Process

## SPX Flow Technology Services

- Repair Services
- Equipment Services
- Additional Services
- PM/PDM Services
- Installation and Startup
- Maintenance and Repair
- Asset Management

For 24-hour response, call 1-888-MIX-BEST (U.S. and Canada)

## Call the SPX Flow Technology Experts

For more information about the LIGHTNIN Impellers or to discuss your application, contact your local SPX Flow Technology. Or visit our website at [www.lightninmixers.com](http://www.lightninmixers.com). Or call 1-888-MIX-BEST (U.S. and Canada)

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WHERE IDEAS MEET INDUSTRY



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