

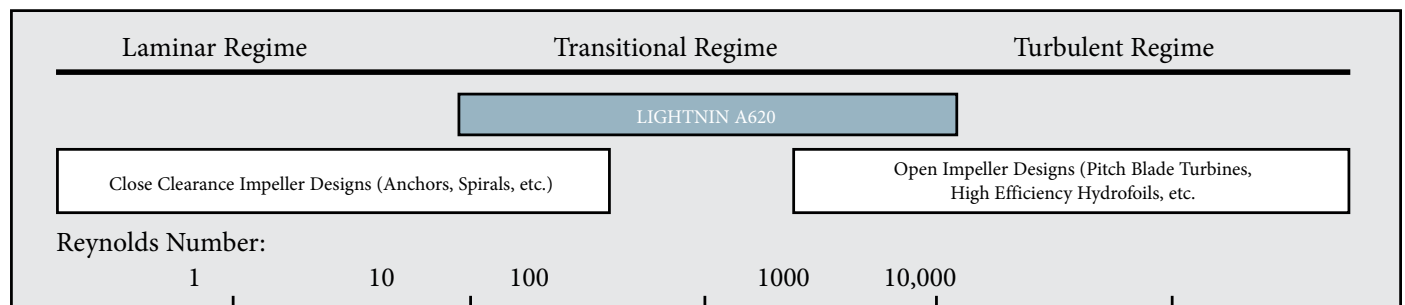
## A-620 Impeller

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 A-620	BENEFITS OF A-620
Low blade profile	Can pass into vessels with limited manway openings
Low power number	Large D/T with lower torque
Large impeller diameter to tank diameter ratio	Lower power required for bulk motion, blending and heat transfer applications, especially in high viscosity and/or non-Newtonian fluids
Reversible design	Impeller can be run clockwise or counter clockwise for process flexibility
Separation of inner and outer blades	Lower turbulence, smooth transition, more flow, less power
More efficient transitional operation	Less power required than open impellers for bulk motion, lower cost than close clearance impellers (anchors/spirals)
Axial flow pattern	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 suitable applications.

# Lightnin Lab & Tech Center

## Maximum Technology -

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 1,850 sq. meters (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 result

- 1) We can test your actual materials.
- 2) We can test a substitute material with similar properties if the product cannot be shipped off-site.
- 3) We can run full-scale performance tests for you - on or off-site.

# SPX FLOW, Inc. - Global locations

## USA

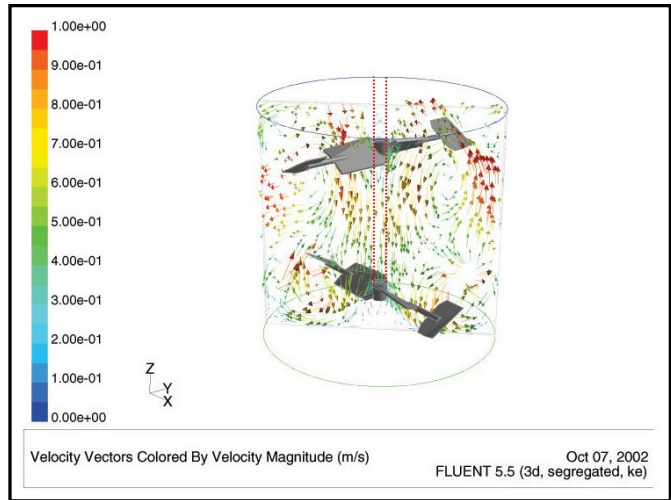
13320 Ballantyne Corporate Place  
Charlotte, NC 28277  
United States of America  
+1 704 752 4400

## CHINA

7F Nanfung Tower  
1568 Hua Shan Road  
Shanghai 200052 China  
P: +86 (21) 22085889

## UK

Ocean House,  
Towers Business Park  
Didsbury, Manchester  
M20 2LY, UK  
P: +44 161 249 1170



Computational Fluid Dynamics Modeling Used In A620 Development Process

# Call the SPX FLOW Experts

For more information about the Lightnin A-620 Impeller or to discuss your application, contact your local SPX FLOW Sales Representative below.

For other Sales locations click  
[www.lightninmixers.com/contacts/where-to-buy/](http://www.lightninmixers.com/contacts/where-to-buy/)  
or use your SmartPhone and the QR Code



SPX FLOW, LLC - LIGHTNIN & PLENTY MIXERS

135 Mt. Read Blvd., Rochester, NY 14611

P: (888) 649-2378 (MIX-BEST), (US and Canada) or +1 (585) 436-5550

E: [lightnin@spxflow.com](mailto:lightnin@spxflow.com) • [www.spxflow.com/lightnin](http://www.spxflow.com/lightnin)

SPX FLOW, Inc. 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. Please contact your local sales representative for product availability in your region. For more information visit [www.spxflow.com](http://www.spxflow.com). The green "S" and "X" are trademarks of SPX FLOW, Inc.