



VSA Pillowblock Agitator For Pulp And Paper



Getting the Job Done Right

LIGHTNIN

LIGHTNIN Performance In A Pillowblock Bearing Agitator

LIGHTNIN's new VSA pillowblock agitator is based on more than 60 years of process expertise, superior mechanical design and sensible engineering.

The A312 Impeller Gives You Process And Mechanical Efficiency

The LIGHTNIN A312 paperstock impeller provides 30% more flow for the horsepower than other "high-efficiency" paperstock impellers. The A312 can maintain consistency variations to +0.1% under the most adverse conditions and process upsets. The A312 impeller mounts on a conservatively designed shaft to stand up to the demands of your process. The shaft is supported on bearings that minimize wear, maximize life and keep maintenance simple. The result is a process-efficient, power-saving agitator.

Mechanically, the A312 impeller maximizes axial flow to accommodate the severe duty of pulp and paper applications. Because the A312 does not produce radial flow, there is no wasted energy, and no excess loads are generated. As a result, the A312 lowers fluid forces and torque for less stress on the blades, shaft and bearings. At the same time, deflection is minimized at the stuffing box or mechanical seal. The

result is a mechanically-efficient long-lasting agitator.

As with all LIGHTNIN agitators, what we recommend for your paperstock applications, we guarantee. You get the performance specified. 100%.

LIGHTNIN Designs For Severe Conditions

LIGHTNIN recognizes that the fluid forces associated with high-density tower severe duty service are much higher than the more normal duty service in a machine chest. So we combine our process expertise with superior mechanical integrity to assure you an agitator that can handle all the conditions likely to occur in your chest or tower.

Quick And Easy Shutoff Design

When you need to repack the stuffing box or change a bearing, the shutoff is easily engaged as shown.

Pillowblock Bearings

LIGHTNIN's VSA agitator was designed for flexibility to match customer preference. The VSA can accommodate bearings from various manufacturers, as well as split, unsplit or a combination. The yellow guard plates are easily removed to completely expose the bearings for easy maintenance. You tell us what you need.

All Functional Hardware is solid 316 stainless steel for rugged durability and ease of maintenance.

High Rating, Oversized Pillowblock Bearings provided a minimum B-10 life of 200,000 hours. Your choice of solid or split designs.

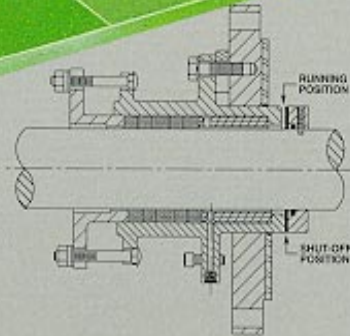
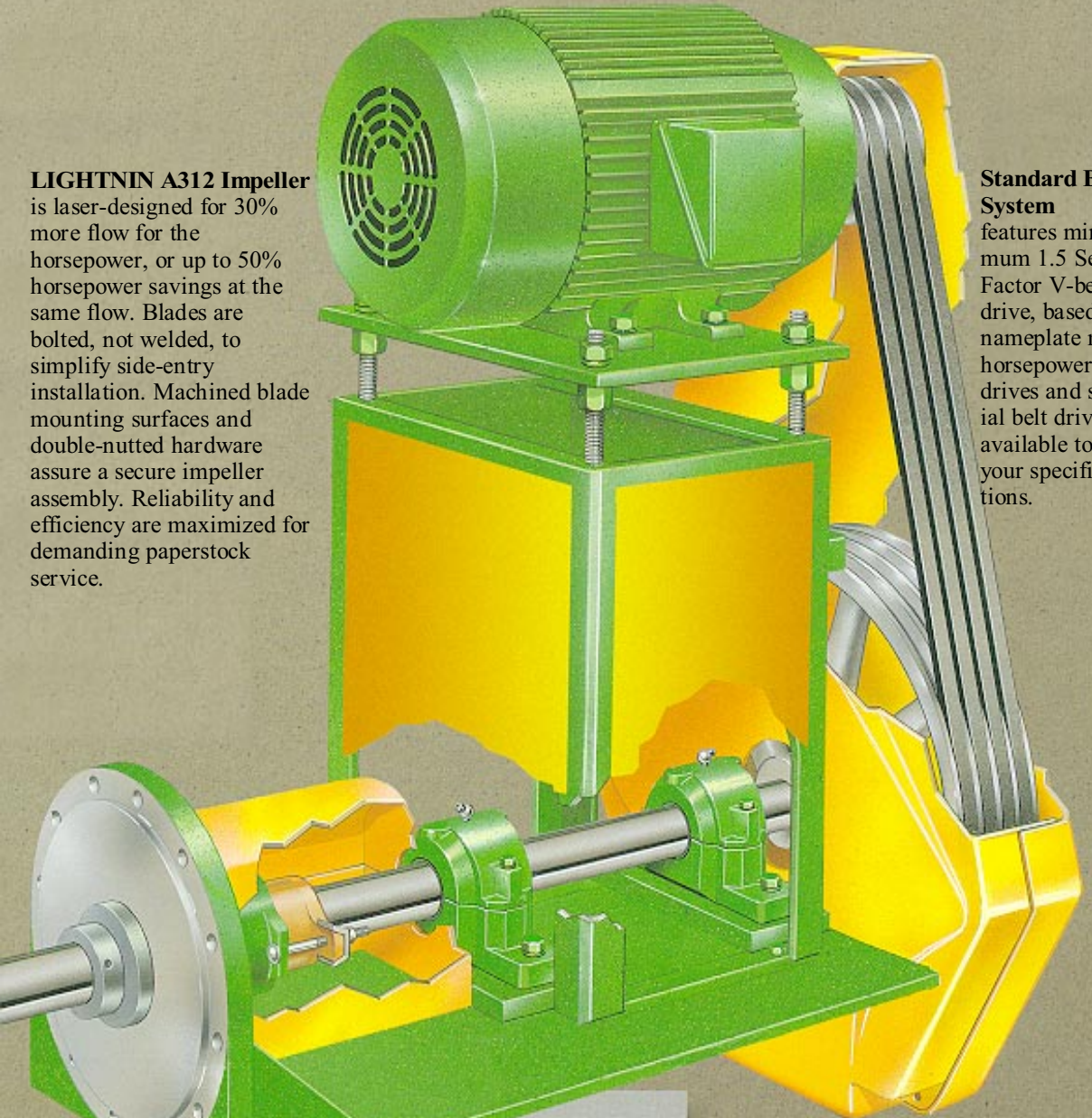
Solid Stainless Steel Shaft features constant diameter through the bearings for maximum strength. There are no butt welds to concentrate stress.



Custom Wall Inserts
are available for any chest or tower thickness you may require.

LIGHTNIN A312 Impeller
is laser-designed for 30% more flow for the horsepower, or up to 50% horsepower savings at the same flow. Blades are bolted, not welded, to simplify side-entry installation. Machined blade mounting surfaces and double-nutted hardware assure a secure impeller assembly. Reliability and efficiency are maximized for demanding paperstock service.

Standard Belt System
features minimum 1.5 Service Factor V-belt drive, based on nameplate motor horsepower. Gear drives and special belt drives are available to meet your specifications.



Stuffing Box
is removable from the mounting flange and easily accessed for quick maintenance. A split, single mechanical seal can be easily retrofitted, with the stuffing box in the place, to give maximum sealing performance.

LIGHTNIN Gives You Worldwide Support

There are thousands of LIGHTNIN paperstock agitators hard at work everyday around the world. Every agitator LIGHTNIN ships is guaranteed to perform the job it's specified to do. 100%. And like every one of these installations, you have the full support of the LIGHTNIN organization, no matter where in the world you may be.

Call your nearest LIGHTNIN sales engineer for more information. Or write LIGHTNIN, a unit of General Signal, 135 Mt. Read Blvd., P.O. Box 1370, Rochester, NY 14603.

Available Wherever You Are



LIGHTNIN, a unit of General Signal 135 Mt. Read Blvd., P.O. Box 1370, Rochester, New York 14603
Telephone: (716) 436-5550 Telex: 97-8244 Fax: (716) 436-5589

Members of the LIGHTNIN group are located in Rochester, N.Y., U.S.A.; Toronto, Canada; Mexico, D.F.; Poynton, England; Jurong, Singapore; Sydney, Australia; Nienhagen, Germany; Milan Italy, Rio de Janeiro, Brazil, Shanghai, China.

©1995 LIGHTNIN, a unit of General Signal

Printed in U.S.A