LIGHTNIN® CLASSIC Clamp-Mount and Fixed-Mount Mixers

Proven performance. Guaranteed results.

YOU AND LIGHTNIN. THE RIGHT MIX.

For your high shear or high flow mixing applications, there’s a time-tested LIGHTNIN® CLASSIC Clamp-Mount or Fixed-Mount Mixer that’s right for you. In fact, there have been more LIGHTNIN CLASSIC Mixers installed throughout the world than any other single mixer model.

How to make a great mixer even better.

Over the years, the original CLASSIC design has been enhanced in hundreds of subtle, but meaningful ways. As a result, the CLASSIC Mixer you purchase today reflects decades of continual improvement based upon years of actual performance history in just about every known fluid mixing application. And with LIGHTNIN’s exclusive 100% performance guarantee, you buy with complete confidence, just as hundreds of thousands of satisfied customers have done before you.

LIGHTNIN’s exclusive 100% performance guarantee.

When you partner with LIGHTNIN, you buy with confidence, knowing your CLASSIC mixer will perform to your complete satisfaction. LIGHTNIN’s 100% performance guarantee says a lot about these mixers and your LIGHTNIN sales engineer. In addition, all CLASSIC mixers are backed by LIGHTNIN’s standard mixer warranty.

Call your LIGHTNIN sales engineer to discuss your mixer selection to qualify for your application guarantee.

Match the CLASSIC Mixer to Your Application

Table based on tank where liquid level is within 1.5 times tank diameter. There is no single mixer selection for any given application; mixer selection may vary with temperatures, retention times, tank shapes and specific application requirements.

<table>
<thead>
<tr>
<th>Viscosity (Centipoise)</th>
<th>Gallonage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25</td>
</tr>
<tr>
<td>1.0</td>
<td>S1U10</td>
</tr>
<tr>
<td>100</td>
<td>S1U10</td>
</tr>
<tr>
<td>250</td>
<td>S1U10</td>
</tr>
<tr>
<td>1,000</td>
<td>XD43</td>
</tr>
<tr>
<td>2,500</td>
<td>XJ30</td>
</tr>
<tr>
<td>5,000</td>
<td>XJ30</td>
</tr>
<tr>
<td>15,000</td>
<td>XJ65</td>
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</table>

For Model S1U10 mixer, see Bulletin B-536.

Typical Viscosity Values at 70° F

<table>
<thead>
<tr>
<th>Centipoise</th>
<th>Water</th>
<th>Gasoline</th>
<th>Kerosene</th>
<th>Sulfuric acid</th>
<th>Blood</th>
<th>Sae 10 oil</th>
<th>Olive oil</th>
<th>Glucose</th>
<th>Paint</th>
<th>Castor oil</th>
<th>Glycerine</th>
<th>Glycerol</th>
<th>Catsup</th>
<th>Molasses</th>
<th>Honey</th>
<th>Corn syrup</th>
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<tr>
<td>1</td>
<td>1</td>
<td>8</td>
<td>10</td>
<td>25</td>
<td>50</td>
<td>60</td>
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<td>1500</td>
<td>1500</td>
<td>3000</td>
<td>3000</td>
<td>5000</td>
<td>5000</td>
</tr>
</tbody>
</table>

Call your LIGHTNIN sales engineer to discuss your mixer selection to qualify for your application guarantee.
**Fixed-mount SXJ and SXJS Series side-entering mixers**

Help maintain suspension for varying levels of stored materials. Also used where there isn't space for a top-entering mixer.

- Installed mixers are normally supported entirely by the tank mounting flange. Tie rods or mixer support legs can be furnished if tank nozzle lacks sufficient strength and rigidity.

- Choice of stuffing box or mechanical seal.

- Stuffing box includes 6 packing rings, lantern ring, grease fitting and adjustable packing gland. Optional shut-off device lets you repack with a full tank.

- Shut-off device permits mechanical seal change with a full tank.

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**FIXED MOUNT SXJ AND SXJS SERIES SIDE ENTERING MIXERS**

<table>
<thead>
<tr>
<th>Stuffing Box Model</th>
<th>Mechanical Seal Model</th>
<th>HP</th>
<th>Max. Wt. Lbs.</th>
<th>Std. Mtg. Flange ASA*</th>
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</thead>
<tbody>
<tr>
<td>SXJ33</td>
<td>SXJ33</td>
<td>0.33</td>
<td>150</td>
<td>SXJ 5 SXJS 8</td>
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<tr>
<td>SXJ75</td>
<td>SXJ75</td>
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<tr>
<td>SXJ100</td>
<td>SXJ100</td>
<td>1.00</td>
<td></td>
<td>SXJ 8 SXJS 8</td>
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<tr>
<td>SXJ174</td>
<td>SXJ174</td>
<td>1.74</td>
<td>260</td>
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<tr>
<td>SXJ230</td>
<td>SXJ230</td>
<td>2.30</td>
<td>270</td>
<td>SXJ 8 SXJS 8</td>
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<tr>
<td>SXJ350</td>
<td>SXJ350</td>
<td>3.50</td>
<td>280</td>
<td>SXJ 8 SXJS 8</td>
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</tbody>
</table>

* 150# flange drilling. Bolt holes straddles centerline. Special flanges available.
NOTES:

1. SOLD IN SETS ONLY.
2. SAFETY COVERS FURNISHED (NOT SHOWN). SEE IT–1989 FOR DETAILS.
3. ITEMS 43 AND 199 NOT SHOWN.
4. TIE RODS OR PIPE LEG SUPPORTS CAN BE FURNISHED AT EXTRA COST.
5. ITEM 168 IS TEFLON.

WHEN ORDERING PARTS, SPECIFY;
MACHINE SERIAL NO., ITEM NO. AND DRAWING NO.

OIL SEAL
GRIP SPRING LOCKNUT
O–RING
HUB & FLANGE
HEX HEAD CAP SCREW
MOTOR SHAFT KEY
HEX KEY WRENCH
MIXER SHAFT
MOTOR
GRIP SPRING SET
DRIVE SHAFT
SPACER
HOUSING
CHUCK GRIP
INTERNAL GEAR
PINION
GEAR/PINION SET
OUTER RING ROLLER ASSEMBLY
INNER RING
BALL BEARING
OIL SEAL
23 RETAINING RING
22 RETAINING RING
SNAP RING
BRASS WASHER
CHUCK WASHER
LIMIT PIN
CHUCK SCREW
PINION SCREW
HEX HEAD CAP SCREW
HEX HEAD CAP SCREW
SHAFT SLEEVE SEAL RING
SET SCREW, SHAFT SLEEVE (3)
SEAL HOUSING
RETAINING RING
SHAFT SLEEVE
LIGHTNIN SEAL ASSEMBLY
GUIDE PULLER
GUIDE
SET SCREW
O–RING (TANK SEAL)
O–RING (HUB SEAL)
LOCKING SEAL COLLAR
THRUST WASHER
IMPELLER KEY
CAP SCREW (NYLOK INSERT)
IMPELLER
SHUT–OFF NUT RETAINER
END PLATE
FLAT HEAD SOCKET SCREW
SOCKET HEAD CAP SCREW
SLINGER

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