

The logo for SPFX, featuring the letters 'SP' in a dark grey, bold, sans-serif font, followed by 'FX' in a bright green, bold, sans-serif font. A registered trademark symbol (®) is located to the right of the 'X'.

**SPFX**®

A green chevron icon pointing to the right, positioned to the left of the tagline.

**Where Ideas Meet Industry**



# LIGHTNIN SVM Mixer

## Versatile Mixing for Critical Bioprocesses

LIGHTNIN's family of SanStar™ Sanitary Vertical Mini (SVM) Mixers is designed to meet the most stringent requirements for cGMP facilities, and to provide a comprehensive array of mixer solutions for the biotech, pharmaceutical, food and cosmetics industries. These "mini" mixers have been engineered for your most critical processes, collectively providing superior performance and clean operation. Suitable for the complete range of bio-pharm and "clean" industry applications: buffer and media prep; cell culture; fermentation; product recovery; product blending and packaging.

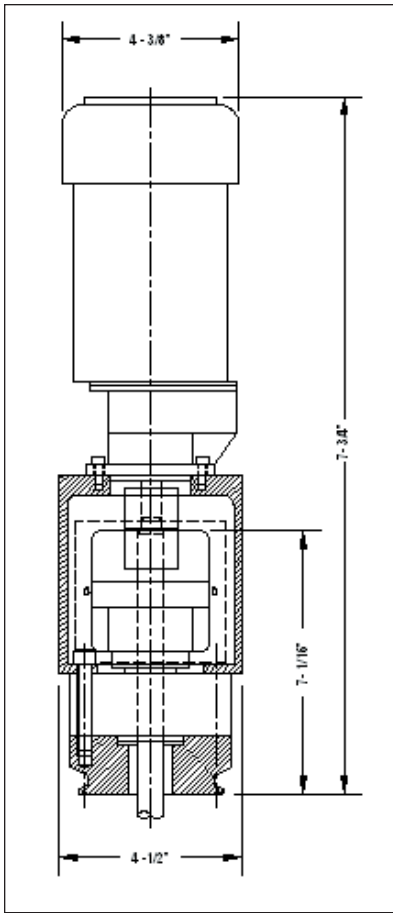
### Engineered for cleanliness in critical processes

- Minimum footprint for vessels from 20 to 500 liters.
- 300 series stainless steel seal housing and pedestal; epoxy-painted drive.
- Designed for use in dry-running, aseptic environments.
- Vertical, in-line design for closed tank applications.
- Mixer mounts on standard 3" tri-clamp flange.
- Single dry-running seal as standard, with or without sanitary purge gland.
- Wide range of output speeds from 120 to 370 rpm, for maximum flexibility.
- Custom selections available per job for alternate speeds.

- Variety of impeller configurations and variable speed drives for a wide range of process requirements; shaft length up to 45" long.
- Full clean-in-place, sterilize-in-place (CIP/SIP) features.
- Designed to comply with ASME Bioprocess Equipment Specification guidelines.



**Comes with LIGHTNIN's 100% process guarantee.**



This configuration shows the standard single seal; the image on the front shows the optional double seal unit.

SVM Mixers				
Model	HP	Output Speed (RPM)	High-Efficiency Impeller Options Max. Dia., in.	
			A510_22*	A320
<b>SVM4S15</b>	<b>0.15</b>	<b>370</b>	<b>8.8"</b>	<b>7"</b>
<b>SVM7S15</b>	<b>0.15</b>	<b>245</b>	<b>11.2"</b>	<b>9"</b>
<b>SVM9S15</b>	<b>0.15</b>	<b>180</b>	<b>12.8"</b>	<b>10"</b>
<b>SVM13S15</b>	<b>0.15</b>	<b>123</b>	<b>12.8"</b>	<b>10"</b>

\* The A510\_22 is the fabricated and polished version of the A310 hydrofoil impeller.

## Service

SPX Process Equipment Services

- Repair Services
- Equipment Services
- PM/PDM Services
- Additional 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 Process Equipment Experts

For more information about the LIGHTNIN SVM Mixers or to discuss your application, contact your local SPX Process Equipment Sales Representative. Or visit our website at [www.spxpe.com](http://www.spxpe.com).

Or call 1-888-MIX-BEST (U.S. and Canada)

## QAD for cGMP Requirements as Standard

To demonstrate that FDA-mandated Good Manufacturing Practices (cGMP) guidelines have been met, you receive full Quality Assurance Documentation (QAD) as standard when you purchase a LIGHTNIN SVM Mixer.

**SPX**®

**PROCESS EQUIPMENT**

Your local contact:



SPX Process Equipment, LIGHTNIN Operation  
 135 Mt. Read Blvd., Rochester, NY 14611  
 Phone: (888) 649-2378 (MIX-BEST), (U.S. and Canada) or +1 (585) 436-5550  
 E-mail: [LIGHTNIN@spx.com](mailto:LIGHTNIN@spx.com)

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



Global Headquarters  
13515 Ballantyne Corporate Place  
Charlotte, North Carolina 28277  
United States

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