



"GENERAL DUTY" LS SERIES MIXER

# In-Line Mixers

## Capacity

Self-pumping throughputs of up to 1,100 gallons per minute.

## No Bypassing

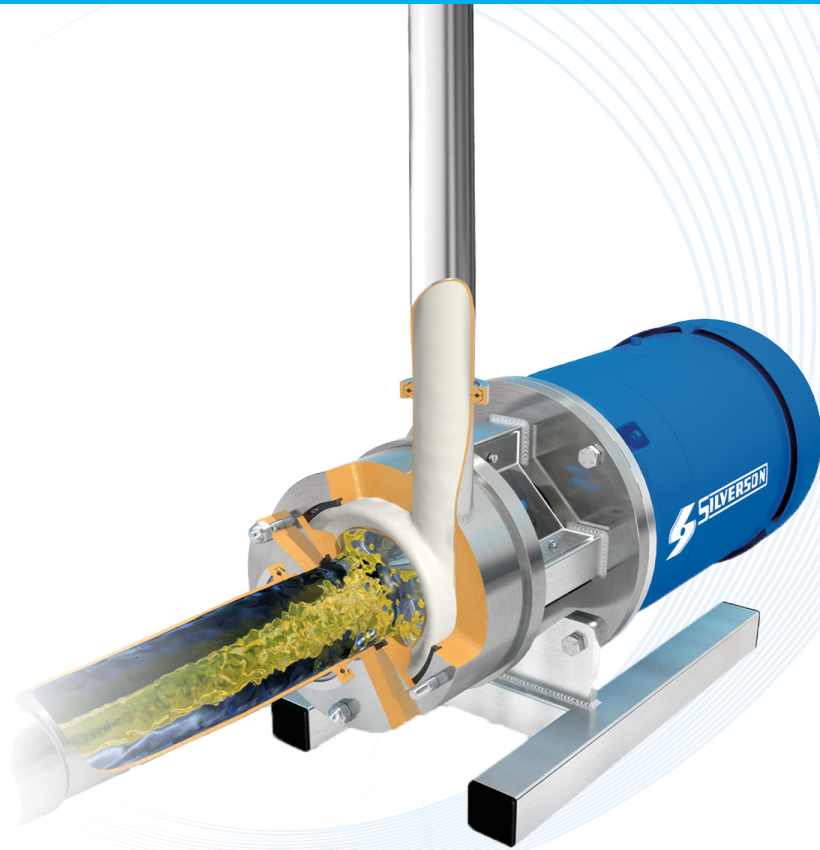
Product cannot bypass the precision rotor/stator workhead.

## Interchangeable Workheads

Single stage rotor/stator configurations as standard. For those applications that require greater shear, interchangeable multistage configurations can be used.

## Materials of Construction

Product contact parts in 316L stainless steel. Special materials available on request.



## Motor Specification

TEFC (Total Enclosed Fan Cooled), washdown duty and explosion proof motors are available as standard.

Inverted rated, stainless steel and other motors are available as optional extras.

## Inlet and Outlet Connections

All sanitary or flange fittings available upon request (i.e. Tri-Clamp, ASA, DIN, etc).

All Silverson In-Line Mixers are designed for cleaning-in-place (CIP and SIP).



Materials of Construction	UHS	UHS-HV	General Duty
Wetted Parts: 316L Stainless	●	●	●
Wetted Parts: Special Materials	○	○	○
Elastomers: Viton	●	●	●
Elastomers: EPDM	○	○	○
Elastomers: PTFE			○
Elastomers: Other	○	○	○
Operating Pressure*	150 psi (10 bar)	150 psi (10 bar)	150 psi (10 bar)

\*Higher pressure units available on request

## Motor

TEFC	●	●	●
Other - Stainless Explosion-Proof ATEX	○	○	○

## Inlet/Outlet Connections

Tri-Clamp	●	●	●
Flange	○	○	●
Other e.g., RJT, SMS, etc.	○	○	○

## Sealing

Single Mechanical			●
Double Mechanical			○
Ultra-Sanitary Single/Double Mechanical	●	●	
Special Seal Arrangements	○	○	○

## Workheads

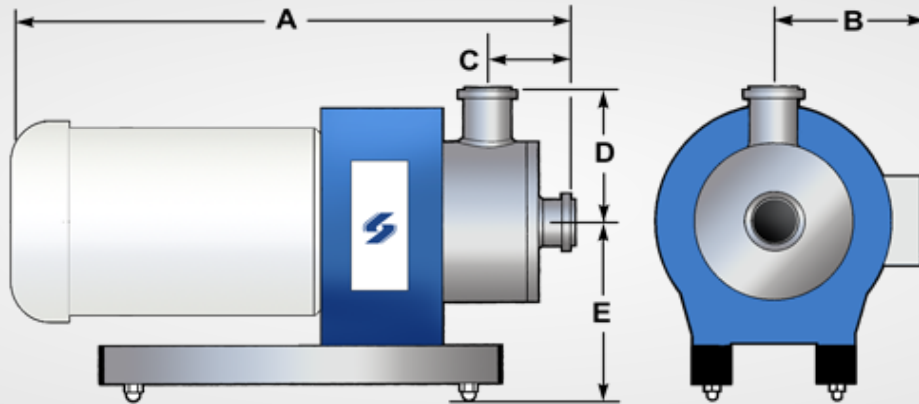
Single Stage	●	●	●
Multistage	○	○	○

● Standard ○ Optional



IN-LINE MIXERS

# Mixer Dimensions

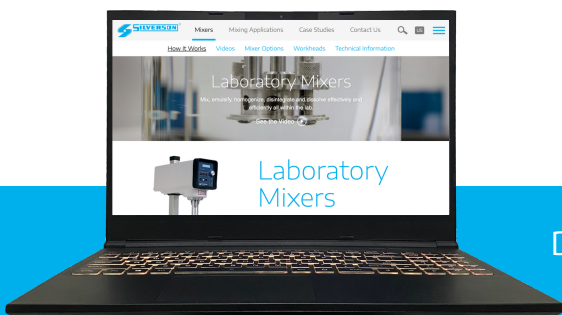


## Tri-clamp, 60Hz Motors

Model	HP	RPM	TEFC	EXPL	TEFC	EXPL	C	D	E	Inlet/ Outlet
			A	A	B	B				
275 LS	2	3600	20 <sup>5</sup> / <sub>8</sub>	20 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>8</sub>	3 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>4</sub>	6 <sup>9</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>
400 LS	5	3600	25	-	6 <sup>7</sup> / <sub>8</sub>	-	3 <sup>5</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>8</sub>	8 <sup>7</sup> / <sub>8</sub>	-
425 LS	7 <sup>1</sup> / <sub>2</sub>	3600	27 <sup>1</sup> / <sub>4</sub>	27 <sup>5</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>4</sub>	2
450 LS	10	3600	27 <sup>1</sup> / <sub>4</sub>	27 <sup>5</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>2</sub>	11 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>4</sub>	2
500 LS	20	3600	37 <sup>1</sup> / <sub>2</sub>	35 <sup>7</sup> / <sub>8</sub>	11	12 <sup>7</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>	8 <sup>3</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>4</sub>	3
600 LS	30	3600	38 <sup>1</sup> / <sub>2</sub>	38 <sup>1</sup> / <sub>2</sub>	10 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	6 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>4</sub>	11 <sup>1</sup> / <sub>4</sub>	3
600 LSH	40	3600	43 <sup>1</sup> / <sub>2</sub>	43 <sup>1</sup> / <sub>2</sub>	15 <sup>3</sup> / <sub>16</sub>	17 <sup>1</sup> / <sub>16</sub>	6 <sup>3</sup> / <sub>8</sub>	10	15 <sup>1</sup> / <sub>2</sub>	3
700 LS	60+	3600	49	49	18 <sup>1</sup> / <sub>16</sub>	18 <sup>13</sup> / <sub>16</sub>	8	13	18 <sup>7</sup> / <sub>8</sub>	4
750 LS	100+	3600	53	53	19 <sup>5</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>2</sub>	8	13	18 <sup>7</sup> / <sub>8</sub>	4
800 LS	125+	3600	58	58	23 <sup>3</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>4</sub>	8	13	18 <sup>7</sup> / <sub>8</sub>	4

All dimensions shown are in inches. The dimensions shown are approximate ones and certified diagrams should be used for installation purposes.

Silverson reserves the right to change dimensions and specifications without notice.

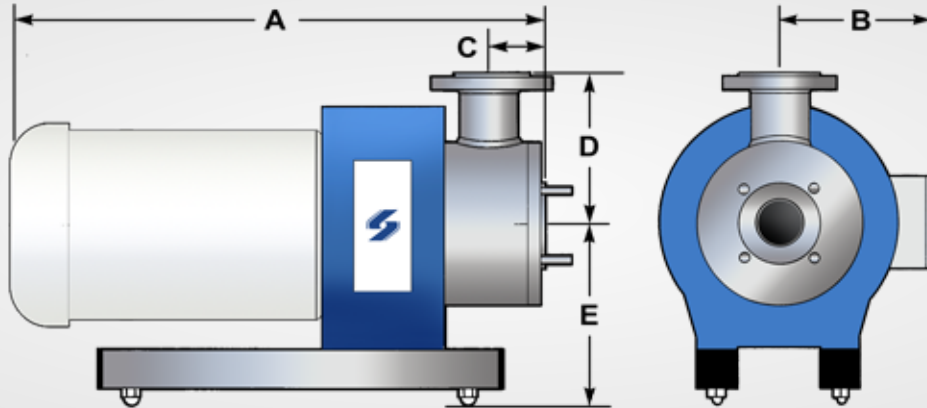


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# Mixer Dimensions

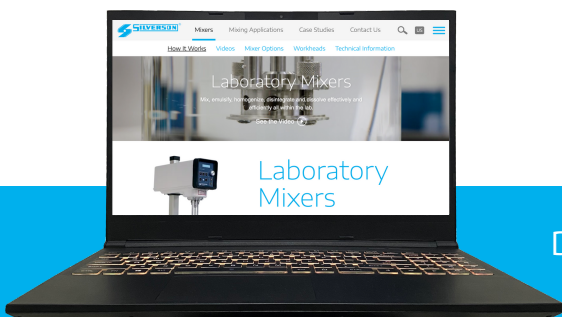


## Flange fittings, 60Hz Motors

Model	HP	RPM	TEFC	EXPL	TEFC	EXPL	C	D	E	Inlet/ Outlet
			A	A	B	B				
275 LS	2	3600	19	19	5 1/2	9 1/8	2 3/16	5 3/4	6 9/16	1 1/2
425 LS	7 1/2	3600	25 1/4	25 5/8	7 1/2	11 3/8	3 1/8	7 3/4	8 3/4	2
450 LS	10	3600	25 1/4	25 5/8	7 1/2	11 3/8	3 1/8	7 3/4	8 3/4	2
500 LS	20	3600	34 5/8	33 1/8	11	12 1/2	3 5/16	9 1/4	11 1/4	3
600 LS	30	3600	35 3/4	35 3/4	10 1/2	13 1/2	3 5/16	9 1/4	11 1/4	3
600 LSH	40	3600	41	41	15 3/16	17 1/16	3 9/16	10	15 1/2	3
700 LS	60+	3600	45	45	18 1/16	18 1/16	4 3/8	14	18 7/8	4
750 LS	100+	3600	49	49	19 5/16	20 1/2	4 3/8	14	18 7/8	4
800 LS	125+	3600	54	54	22 3/8	26 1/4	4 3/8	14	18 7/8	4

All dimensions shown are in inches. The dimensions shown are approximate ones and certified diagrams should be used for installation purposes.

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