

# LIGHTNIN variable speeds

## PRECISE SPEED CONTROL . . . SERIES SCR.

Set the speed, and these mixers hold that speed, despite changes in loading. Within  $\pm 1\%$  for integral hp., within  $\pm 5\%$  for fractional hp. You can accurately vary the speed, and accurately repeat the speed to optimize mixing for:

- Changing viscosity, batch to batch.
- Varying liquid levels.
- Aeration requirements.
- Pilot plant studies.
- Multiple step processing.
- Reduced agitation during drainage.

Separate speed control mounts by mixer or remotely to save the operator steps.

Solid state control unit converts ac to dc to operate the dc motor supplied. Sophisticated feedback monitoring circuit accurately maintains speed at the rate set.

### SCR VARIABLE SPEED, HIGH FLOW, GEAR DRIVE MIXERS

hp	Current	Clamp Mount	Fixed Mount, open tank	Fixed Mount, stuffing box	Fixed Mount, mechanical seal
.3	115V, 50/60 Hz 1 Phase	XJ30-SCR	XJQ30-SCR	XJC30-SCR	XJDS30-SCR
.43	115V, 50/60 Hz 1 Phase	XJ43-SCR	XJQ43-SCR	XJC43-SCR	XJDS43-SCR
.87	115V, 50 Hz 1 Phase	XJ87-SCR	XJQ87-SCR	XJC87-SCR	XJDS87-SCR
1.17	230V, 60 Hz 1 Phase	XJ117-SCR	XJQ117-SCR	XJC117-SCR	XJDS117-SCR
1.74	230V, 60 Hz 1 Phase	XJ174-SCR	XJQ174-SCR	XJC174-SCR	XJDS174-SCR

Mixer dimensions are the same as for equivalent single speed mixers with nearest HP.

### SCR VARIABLE SPEED, HIGH FLOW, DIRECT DRIVE MIXERS

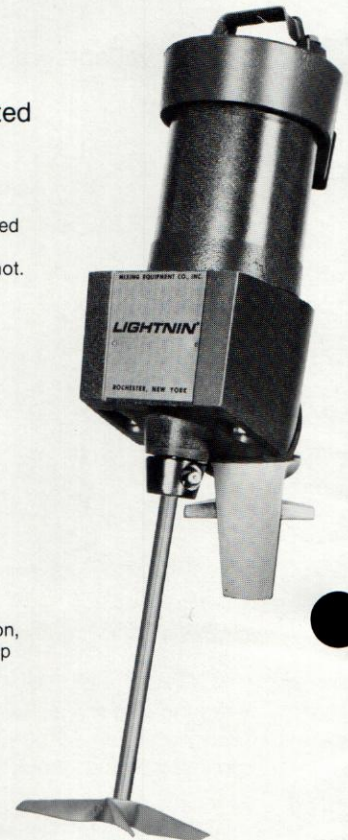
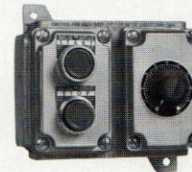
hp	Current	Clamp Mount	Fixed Mount, open tank	Fixed Mount, stuffing box	Fixed Mount, mechanical seal
.3	115V, 50/60 Hz 1 Phase	XD30-SCR	XDQ30-SCR	XDC30-SCR	XDDS30-SCR
.43	115V, 50/60 Hz 1 Phase	XD43-SCR	XDQ43-SCR	XDC43-SCR	XDDS43-SCR
.87	115V, 50 Hz 1 Phase	XD87-SCR	XDQ87-SCR	XDC87-SCR	XDDS87-SCR
1.17	230V, 60 Hz 1 Phase	XD117-SCR	XDQ117-SCR	XDC117-SCR	XDDS117-SCR
1.74	230V, 60 Hz 1 Phase	XD174-SCR	XDQ174-SCR	XDC174-SCR	XDDS174-SCR

Mixer dimensions are the same as for equivalent single speed mixers with nearest HP.

Operator control station. Speed can be changed anytime, whether mixer is running or not. Also available in waterproof NEMA 4 enclosure.



Explosion-proof control station, supplied with 1/3, 3/4 and 1 hp units for Class I, Group D.



Series VM variable speed mixers come in clamp mount models, as shown, as well as fixed mount units.

## ECONOMICAL, SELF-CONTAINED ELECTRONIC CONTROL . . . SERIES VM.

Moves from job to job as easily as any constant speed portable.

### VM VARIABLE SPEED MIXERS

Drive	hp	Current	Clamp Mount	Fixed Mount, open tank	Fixed Mount, stuffing box	Fixed Mount, mechanical seal
Gear	1/3	115-50/60-1 or 220-50/60-1	XJ33-VM	XJQ33-VM	XJC33-VM	XJDS33-VM
Gear	3/4	230-50/60-1	XJ75-VM	XJQ75-VM	XJC75-VM	XJDS75-VM
Direct	1/3	115-50/60-1 or 220-50/60-1	XD33-VM	XDQ33-VM	XDC33-VM	XDDS33-VM
Direct	3/4	230-50/60-1	XD75-VM	XDQ75-VM	XDC75-VM	XDDS75-VM

Mixer dimensions are the same as for equivalent single speed mixers. For XD33-VM dimensions, for example, see XD30 on page 7.



With solid state control mounted directly on the mixer, operator can dial the desired mixing result.