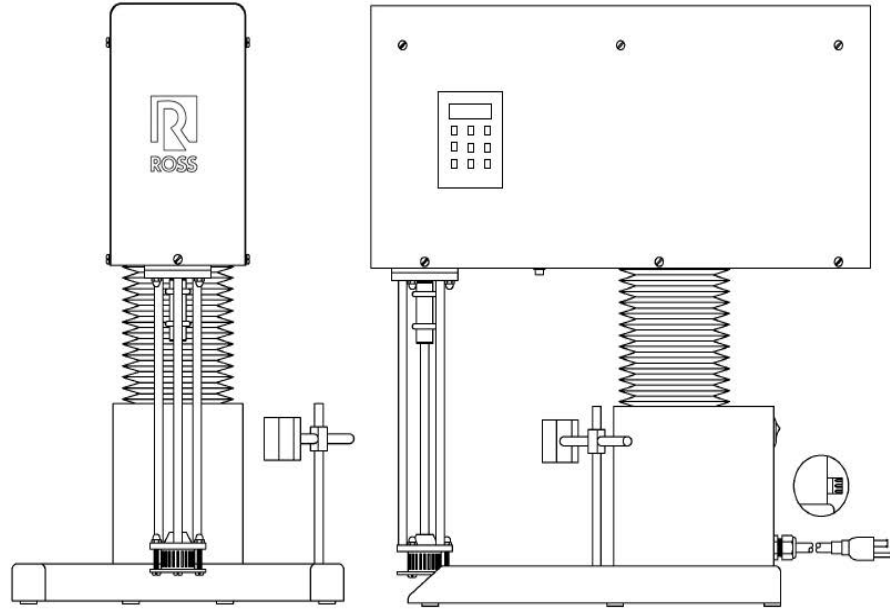


# ROSS Laboratory High Shear Mixer 100LSK-I

## Specifications and Dimensions

### STANDARD FEATURES:

- 3/4 HP drive, 115 volt, 50/60 Hz, single phase, 20 amp motor.
- Mixer and controls are wired and include a cord and plug.
- IP55/NEMA 12 motor.
- Variable speed control from 500-10,000 rpm, +/-2% speed accuracy.
- Digital electronic controls with built-in speed readout.
- Power lift mechanism with pushbutton raise and lower controls.
- Stainless steel type 316 wetted parts.
- Sturdy frame for bench mounting.
- All non-stainless steel external surfaces coated with a white two-part epoxy paint.
- Easy to disassemble and clean.



### AVAILABLE OPTIONS:

- Down-thrust propeller for standard rotor-stator attachment.
- Variety of rotor shaft bushing materials.
- Hastelloy product contact surfaces.

### AVAILABLE MIXING ATTACHMENTS:

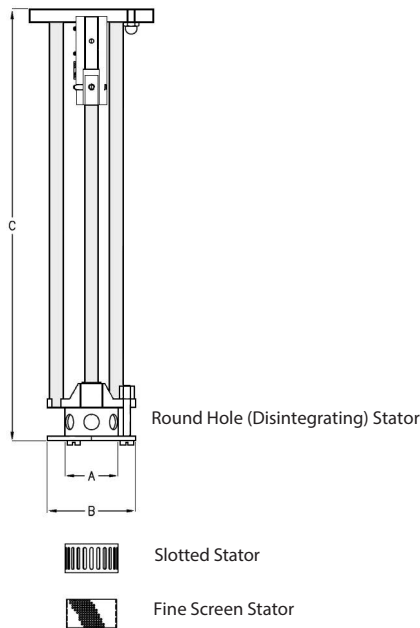
- HSM Attachment: High Shear Rotor/Stator attachment complete with disintegrating, slotted, and fine screen stator heads. Attachment is equipped with TEFLON® bushing.
- Inline HSM Attachment: Inline attachment complete with disintegrating, slotted and fine screen stator heads.
- HSD Attachment: High Speed Disperser and propeller mixer attachment.
- Micro HSM Attachment: High Shear Micro Rotor/Stator attachment for batches between 50 mL and 500 mL.
- Quad HSM Attachment: Quad (four stage) attachment for ultra-fine emulsions and dispersions.

Model	Speed RPM	Overall Raised Height		Overall Lowered Height		Overall Width		Overall Length		Distance Between Feet		Water Capacity		Weight	
		in	mm	in	mm	in	mm	in	mm	in	mm	gal	L	lbs	kg
100LSK-I	500-10,000	39.4	1000	24.25	622	15	381	19.75	502	12	305	.03-3	1.1-15	62	28

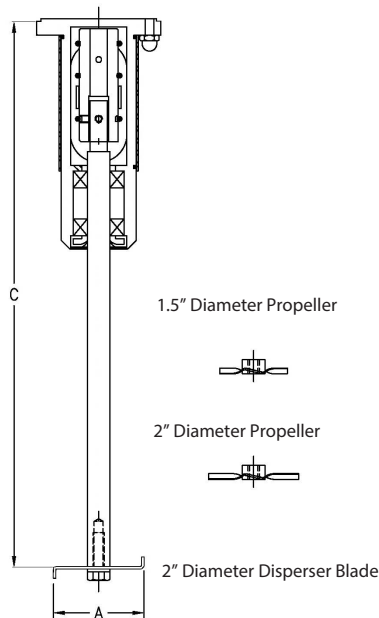
\*Dimensions shown are approximate and subject to change without notice due to design improvements, selected options, or supplier component substitutions.

# ROSS Model HSM-100LSK-I Attachments

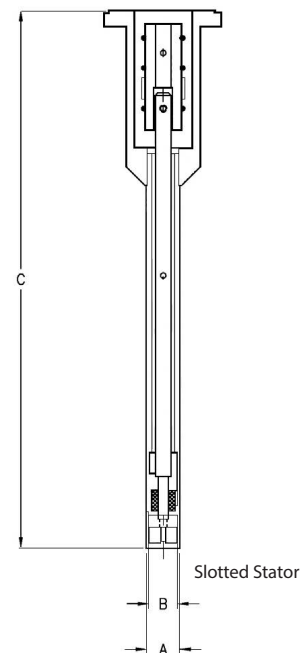
High Shear Mixer (HSM)



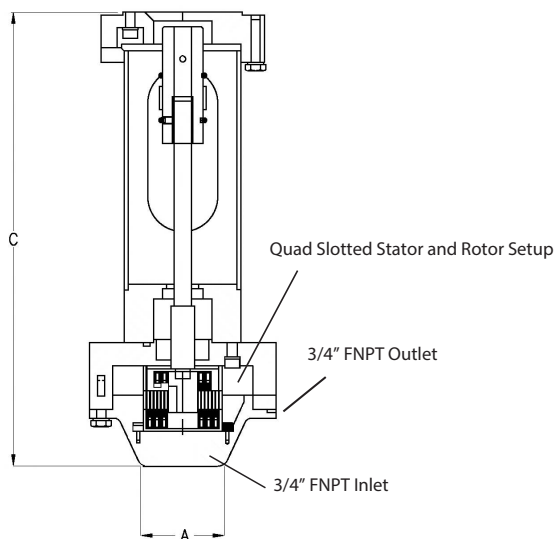
High Speed Disperser (HSD)



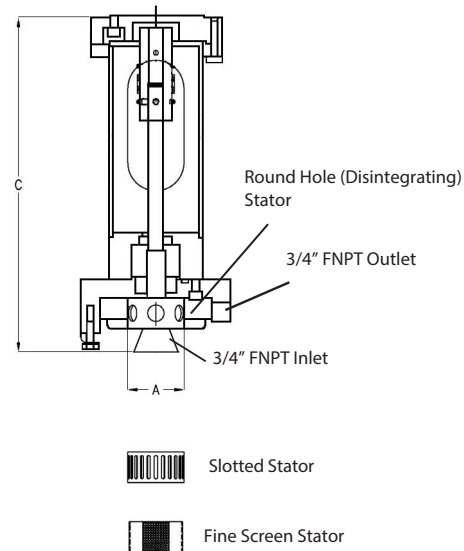
Micro High Shear Mixer (Micro HSM)



Quad High Shear Mixer (Quad HSM)



Inline High Shear Mixer (Inline HSM)



Attachment	Rotor Diameter* (A)		Lower Flange Diameter *(B)		Shaft Length*(C)	
	in	mm	in	mm	in	mm
HSM	1.4	34.9	2.5	63.5	12.3	312.7
HSD	2.0	50.8	N/A	N/A	12.1	306.4
Micro HSM	0.7	17.5	0.8	20	13.6	346.1
Quad HSM	1.4	34.9	N/A	N/A	9.9	251
Inline HSM	1.4	34.9	N/A	N/A	9.19	233