

Modular Homogenizer Systems

Choose from shaft-generator assemblies to create the perfect system for your current application—and then add on more later!

- Customize your own system by choosing a variable-speed motor and a shaft depending on the viscosity of your sample
- Quick processing protects your samples from heat damage
- Quickly process volumes from 0.2 to 20000 mL

1 Homogenizers

Built-in variable-speed controller lets you adjust speed from 11,000 to 25,000 rpm. Motors can be mounted on a stand or hand held. Use models X1000 to process higher volumes up to 5000 mL.

What's included: stand, clamp, and rotor and socket wrenches. The 120 VAC models include a cord with a NEMA 5-15P plug; the 240 VAC models include a cord with a continental European plug.

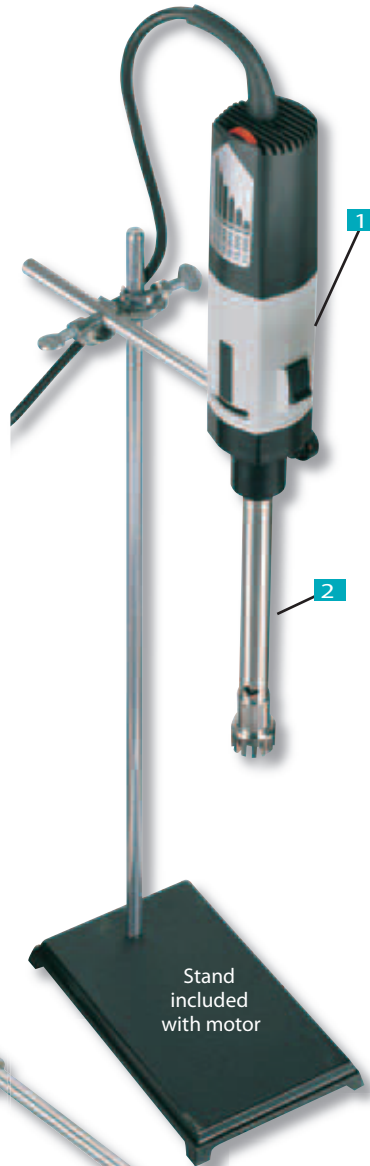
Catalog number	Maximum sample volume	Use with generator size	Power	Price
X120 X120	500 mL	Up to 17 mm dia	120 VAC 240 VAC	\$657.00
X1000 X1000	5000 mL	All sizes	120 VAC 240 VAC	\$997.00

2 Shafts and Generator Assemblies

The quick-connect shafts and generator assemblies are interchangeable. Sealed shaft 6423 has a special two-part ceramic seal; use to process samples under pressure or in a vacuum, operate with flow-through chamber DK-30, or use with abrasive or adhesive type media. Shafts are made from 304 SS and easily disassemble for cleaning or replacement.

Generator assemblies are made up of the rotor and stator. Slots on the rotor and stator have beveled edges like a scissor giving you better shearing action. Unique slanted slots on the rotor constantly draw media through and allow it to build up speed. This eliminates the stop/start effect that slows the media—giving you quicker, more efficient processing.

Catalog number	Sample volume	Dimensions		Price
		Shaft dia	Generator assembly	
Fine viscosity (for low to normal viscosity liquids requiring high degree of homogenization)				
6421	1 to 100 mL	10 mm	10 mm	\$397.00
6422	10 to 1000 mL	20 mm	20 mm	\$457.00
6423	100 to 5000 mL	20 mm	20 mm	\$597.00
Normal (aqueous) viscosity (for low to normal viscosity liquids—water to cooking oil)				
6421	1 to 100 mL	10 mm	10 mm	\$397.00
6426	5 to 500 mL	10 mm	17 mm	\$427.00
6422	10 to 1000 mL	20 mm	20 mm	\$457.00
Coarse viscosity (for medium viscosity liquids or coarse media)				
6421	1 to 100 mL	10 mm	10 mm	\$397.00
6426	5 to 500 mL	10 mm	17 mm	\$427.00
6424	100 to 5000 mL	20 mm	30 mm	\$587.00



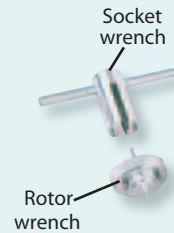
Required System Components order items separately

- 1 Homogenizer
- 2 Shaft and generator assemblies

Add these options

- 3 Flow-through chamber
- 4 Custom rotor-stator generators

Wrenches included with motor



3 Accessories

Flow-Through Chamber lets you process continually. By restricting the outlet, you reduce the flow rate and increase the degree of homogenization. Features 20-mm barbed ports. Use with sealed shaft 6423 only.

DK-30 Flow-through chamber

4 Optional Rotor-Stator Generators

Replacement for stator generators customize your system to your unique processing requirements. Choose from the below interchangeable rotor-stator generators to add to a shaft-generator assembly or replace worn generators.

Catalog number	Dimensions	Price
Fine viscosity (for low to normal viscosity liquids requiring a very high degree of homogenization)		
R60441-F	10 mm dia	\$87.00
R60444-F	20 mm dia	\$127.00
Aqueous viscosity (for low to normal viscosity liquids—water to cooking oil)		
R60449-F	17 mm dia	\$97.00
S60432-V	20 mm dia	\$127.00
Coarse viscosity (for medium viscosity liquids or coarse media)		
R60448-V	17 mm dia	\$97.00
R60442-V	20 mm dia	\$127.00