

TurboMix™ Attachment

High-Performance Microtube Attachment
for the Vortex-Genie® 2 Family of Mixers

INSTALLATION & OPERATING INSTRUCTIONS

Catalog No. SI-0564



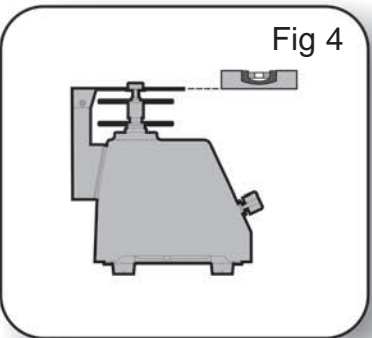
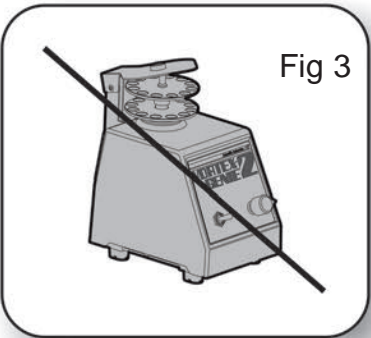
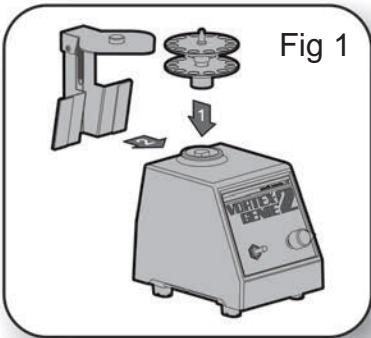
80 Orville Drive, Suite 102, Bohemia, NY 11716 U.S.A.
(631) 567-4700 • Toll Free: 888-850-6208
Customer Service: custsvc@scientificindustries.com
scientificindustries.com

U.S. Pat. 5,707,861

The TurboMix™ attachment permanently mounts to most Vortex-Genie® 2 family of mixers and the Vortex-Genie® Pulse to provide extremely vigorous mixing up to twelve 1.5ml or 2.0ml microtubes (snap-top or screw-cap). The TurboMix™ provides hands-free operation while dramatically increasing the efficiency of vortexing in microtubes through a combination of vortexing and impact collision. Applications for the TurboMix™ include cell disruption of yeast, bacteria, plant and animal tissue when used in glass bead procedures.



IMPORTANT! Read the following instructions before peeling off the mounting tape.



Installation

Important: Perform Steps 1 through 4 PRIOR to removing protective paper from the double-backed tape

1. The back surface of the Vortex-Genie® 2 family of mixers should be thoroughly cleaned with isopropyl alcohol and dried completely.
2. Align the flat on the Universal Microtube Holder mounting cup with the flat on the mixer stem. Push down firmly to snap the tube holder assembly on the stem (Fig 1).
3. Carefully align the TurboMix™ Mounting Bracket Assembly with the CENTER of the back panel of the Vortex-Genie® 2 family of mixers (Fig 1).
4. Position the Stem of the Universal Microtube Holder inside the Cover Cap of the Universal Microtube Holder (Fig 2). Improper alignment is illustrated in (Fig 3). Make sure that the Cover Cap of the TurboMix™ is level (Fig 4).
5. Remove protective paper from the double-backed tape on the Mounting Bracket Assembly and press firmly onto the Vortex-Genie® 2 family of mixers. The tape will bond instantly with the surface and cannot be moved. The TurboMix™ may be used immediately, however, the tape is fully cured within 24 hours. Once attached, the Mounting Bracket Assembly cannot be removed from the Vortex-Genie® 2 family of mixers.

Operation

1. Ensure that the Vortex-Genie® 2 family of mixers is in the "OFF" position.
2. Load a maximum of twelve microtubes into the tube holder (tube volumes and quantities should be balanced within the tube holder). Make sure tubes are closed tightly.
3. Close the TurboMix™ cover. The stem of the Universal Microtube Holder should fit easily into the Cover Cap.
4. Turn the mixer to "ON" and adjust to the desired speed. NOTE: High speeds are recommended for optimal performance, and the "TOUCH" setting is not recommended.
5. To stop, turn the mixer to "OFF". Open the cover to remove the tubes. The Universal Microtube Assembly may be removed to allow use of the 3-inch Platform or Pop-off Cup by pulling straight up with a slight rocking motion. Avoid excessive bending of the components.

⚠ CAUTION! DO NOT open the cover while the mixer is operating.

⚠ CAUTION! DO NOT operate the mixer at highest speed continuously for more than three (3) hours with the TurboMix.

Care and Handling

Four unique rubber feet on the Vortex-Genie® 2 family of mixers prevent movement of the mixer, especially when using the TurboMix™ attachment. As some older Vortex-Genie® models may not have this feature, contact Scientific Industries at 1-888-850-6208 or an authorized distributor for replacement parts.

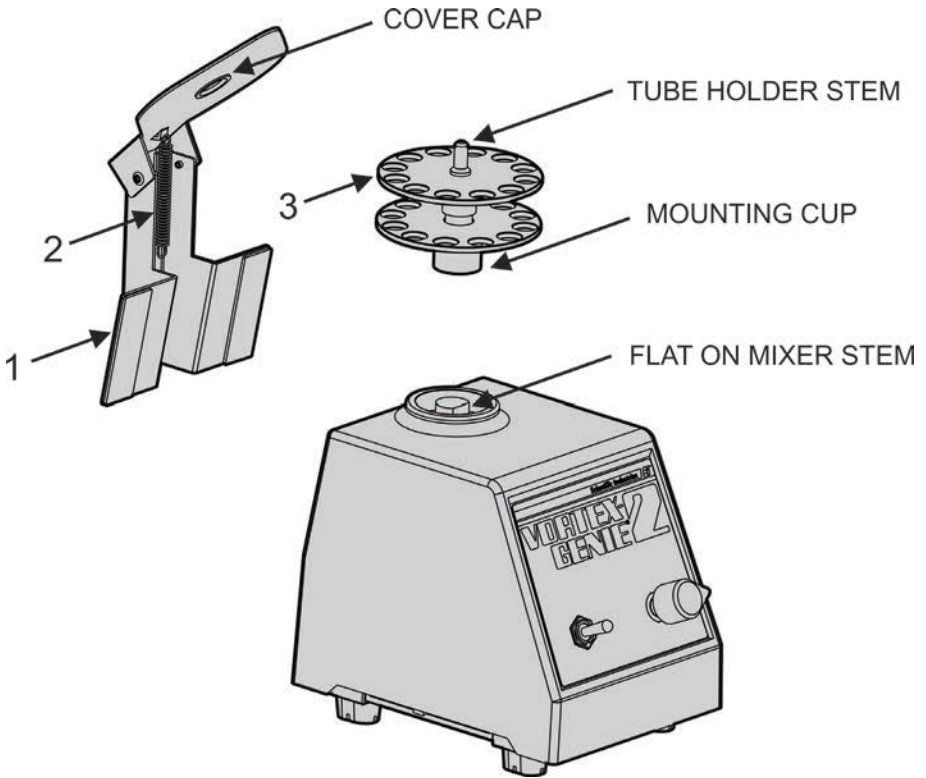
The TurboMix™ consists of stainless steel and thermoplastic components. All pieces may be cleaned as needed with soap, detergents, bleach solutions and alcohol. The tube holder cannot be autoclaved

TURBOMIX™ ATTACHMENT

Parts Assembly List

To order parts for the TurboMix Attachment:

Contact your local distributor or visit www.scientificindustries.com. Please specify Part No., and quantity.



Item No.	Part No.	Description
1	0A-0553-010	Mounting Bracket Assembly
2	SPP0001	Extension Spring
3	SI-0565	Universal Microtube Holder

