



OPERATING MANUAL

1-Touch Vibratory Sieve Shaker SS-10



Rev: 09/01/2015

SAFETY INSTRUCTIONS

Whether you are the owner, employer, operator, or maintenance person for this machine, safety is your responsibility. You are responsible for operating and maintaining this equipment in compliance with these instructions and for using common sense. Review and completely understand the operating and safety instructions before using this machine.

WARNING!

This machine operates on electric current. Improper operation could result in electric shock, electrocution, or an explosion!

1. **ALWAYS** make sure the motor and other electrical components are appropriate and properly configured for your intended use and available power source. The *1-Touch Vibratory Sieve Shaker* is configured to operate on 115V/60Hz power supplies. This unit is **NOT** explosion-proof.
2. **ALWAYS** check electrical wiring for loose connections and for pinched or frayed wiring.
3. **ALWAYS** use a properly-wired, three-pronged plug, or otherwise ground the machine. Connect the machine to a properly-wired, three-pronged receptacle. Make sure the cord is located where no one will trip or get tangled in it.
4. **ALWAYS** disconnect and lock out power supply before performing maintenance and repairs.

WARNING!

WARNING: DO NOT operate the machine without having all covers and case in place.

WARNING: ALWAYS unplug or disconnect machine from the power source when the unit is not in operation.

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1.0 INTRODUCTION:

Gilson's new **1-Touch Vibratory Sieve Shaker** for 8in and 200mm sieves combines the latest in electronic control with proven particle sizing technology for fast, accurate separations. Three-dimensional sieving action evenly distributes and continuously reorients particles across the mesh surface to insure optimum sieving performance. The SS-10 is suitable for a variety of materials with particle sizes from No.10 (2mm) to No.635 (20µm). Fast-acting sieve clamps adjust quickly with little effort. Power level, sieving time and interval pauses are all controlled and programmed on the Touch Screen. Up to 99 testing profiles can be stored in memory to insure exact repeatability.

2.0 UNPACKING & SET-UP:

1. The SS-10 weighs approximately 90lb (40kg). Use appropriate equipment and manpower to uncrate the sieve shaker. Wear safety glasses and work gloves.
2. Examine the shipping carton for signs of damage before opening. Report damage to the shipper immediately. Leave the carton as intact as possible to facilitate return shipping, if necessary.

NOTE: Numbers in parentheses refer to the SS-10 Parts Diagram in Section 5.0.

3. Lift the Base Assembly Item (1) from the carton, and position it on a solid, level work surface. Examine the unit again for damage that may have been concealed.
4. The plastic Clearance Spacer (2) is secured for shipping to the top of the SS-10 Base Assembly with three 1/4-20 x 1.75 stainless steel flat-head screws (4). Using the included Allen key wrench, remove the three screws and set aside. Leave the spacer on top of the base assembly.
5. The Sieve Stack Assembly includes the two Clamp Rods (5), bottom and top Covers (3 and 6), Clamps (9), and top and base Gaskets (12 and 13), shipped partially assembled. To complete assembly, rotate the Clamps so that the tabs are facing outward. Slide the Top Cover Plate up and secure it to the clamps by installing the 10-32 x 1 Shoulder Bolts (10) through the bottom of the plate into the threaded holes in the bottom of each clamp. Tighten Securely.

6. Place the Sieve Stack Assembly on top of the plastic Clearance Spacer, aligning the three holes in the spacer and base plate with the threaded holes in the top of the base assembly. Install the three stainless steel flat-head screws, and tighten securely.
7. Install the adhesive-backed, peel and stick Base Gasket (13) into the recess in the Bottom Cover (3).
8. Move the assembled SS-10 into place on a solid, substantial, and level work surface capable of supporting the machine during operation.
9. Insert the female end of the included power cord into the power connection on the back of the SS-10. Power ON/OFF is controlled by the rocker switch adjacent to this connection.

3.0 CLAMPING SYSTEM:

Gilson sieve clamps are designed for efficiency, ease of use, and rugged dependability. They allow fast, easy insertion and removal of sieve stacks, while insuring that sieves are tightly secured in place during testing. Considerable time and effort is saved over conventional clamping systems, especially when processing multiple samples.

DO NOT lubricate the guide rods or internal contact surfaces of the clamps. If slippage occurs during operation, clean and degrease, then lightly sand the guide rods.

Each clamp has two levers; the bottom is red and the top one is light gray (see Figure 3.1). To rapidly reposition the stack cover on the guide rods, maintain slight upward pressure on both the red levers at once while sliding the clamps up or down. When moving the stack cover, keep the clamps at an even height to prevent binding. Once the cover is at the desired position, release pressure on the levers and the cover will stay in place.

Once the stack cover is seated over the top of the sieve stack, press downward on the gray levers several times until sufficient pressure is applied to clamp the stack tightly (see Figure 3.2).

To release the stack, lift up on both red levers simultaneously. Slide the cover up slightly to clear the top of the sieve stack. Once the cover is out of the way, release the pressure on the red levers (see Figure 3.3).

Clamping down the sieve stack



Figure 3.2

SS-10 Clamps



Figure 3.1

Releasing the stack of clamped sieves



Figure 3.3

3.0 TOUCH SCREEN OPERATION:

Inputting data on the Touch Screen is as simple as pressing the designated area with your finger. A gentle, momentary pressure usually works better than a hard push with the finger. Using other objects on the screen is not recommended and may damage the screen, voiding the warranty.

The Touch Screen is used both to input and display information controlling operation of the SS-10 Shaker:

- The five upper displays show **Test Time**, **Power Level**, **Interval Time**, **Pause Time**, and **Test ID**.
- The six lower sections function as control buttons to start or stop a test cycle, enable or disable vibration intervals, lock the screen, and select a test ID. The + and – buttons are used to input values for the various fields (see Figure 4.0).

NOTE: The Touch Screen display is not moisture-resistant. Avoid the use of liquids in its vicinity and use caution when cleaning the display. Moisture damage to the Touch Screen is not covered by warranty.

SS-10 Touch Screen



Figure 4.0

4.1 Test Time

Test Time is the amount of time the sample will be actively vibrated. It is a count-down timer adjustable from 00:00 to 99:59 minutes:seconds. When the timer reaches zero, the unit will stop vibrating and beep.

4.1.1 Editing the Test Time Display

To adjust, press the **Test Time** display once. The outline and numbers inside turn yellow and the first digit will flash (see Figure 4.1.1). The flashing digit is adjusted using the +/- buttons. Once adjusted to the desired value, press the **Test Time** display again. The next digit will begin to flash and is now adjustable with the +/- buttons. Continue until all the Test Time digits are set. When changes are complete, press the **Test Time** display box once while the last digit is flashing to accept the changes and return the screen to idle.

NOTE: Pressing the Touch Screen anywhere other than the **Test Time** box, or the +/- buttons at any time during editing will quickly accept any changes made, and return the screen to idle.

Editing the Test Time Display



Figure 4.1.1

4.2 Interval & Pause Time

The Interval feature allows timed pauses to be introduced into cycles of active vibration. Separation of some materials is improved by interruptions in the vibration cycle that promote particle reorientation. Optimization of interval and pause times is usually determined experimentally for a given material.

- **Interval Time** refers to the period of active vibration between pauses, and **Pause Time** is the time that the unit is not vibrating. Both take place within the period specified by the **Test Time** setting.
- The Interval feature is toggled on and off using the **Enable/Disable Interval** button. When disabled, the Interval Time and Pause Time displays are solid grey and the **Enable Interval** button is displayed (see Figure 4.2). When enabled, the Interval Time and Pause Time boxes, display settable digits and the **Disable Interval** button is displayed. Editing the Interval time is similar to editing the Test Time.
- With the Interval feature enabled, times must be entered in the **Interval Time** and **Pause Time** displays. Interval times can be any value up to the period selected for Total Time, and typically range from a few seconds to a few minutes in length. Pause times are typically only a few seconds, but can be set up to 99 seconds, if desired.

4.2.1 Editing the Interval Time & Pause Time Displays

Enable the **Interval** button. Press the display box of the **Interval Time** or **Pause Time** box once. The outline and numbers inside turn yellow and the first digit will flash (see Figure 4.2.1). The flashing digit is adjusted by pressing the +/- buttons. Once adjusted to the desired value, press the display box again. The next digit will begin to flash and is now adjustable with the +/- buttons. Continue until you have all the digits set. Pressing the display box once while the last digit is flashing accepts the changes and returns the screen to idle.

NOTE: Pressing the Touch Screen anywhere other than the edited display box or the +/- buttons at any time during editing will quickly accept any changes made, and return the screen to idle.

Interval & Pause Time



Figure 4.2

Editing the Interval Time & Pause Time Displays



Figure 4.2.1

4.3 Power Level

Power Level is the amount of vibration produced by the unit. Vibration intensity on a relative scale between 1 (low) and 10 (high) can be selected. Actual vibration amplitude and acceleration forces on the specimen particles will vary and are influenced by the bulk density and total mass of the sample, as well as the height of the sieve stack.

4.3.1 Editing Power Level Settings

Press the Power Level box once. The outline, units of measure and title of the box will turn yellow and begin to flash (see Figure 4.3.1). Pressing the **+/-** buttons will adjust the value. The selectable values range from 1 (Low) to 10 (High) on a relative scale. When the desired value is displayed, press the display again to accept.

NOTE: Pressing the Touch Screen anywhere other than the edited display box or the **+/-** buttons at any time during editing will quickly accept any changes made, and return the screen to idle.

Editing Power Level Settings



Figure 4.3.1

4.4 Test ID

The **Test ID** display and the **Save/Delete Test ID** toggle button are used to save and retrieve display settings. The **Test ID** display shows the current selected location, from 0 to 99. If nothing has been saved in that location, zeros are displayed, and the blue **Save Test ID** button is shown. If values are already stored at this location, they will be displayed and the red **Delete Test ID** button will be shown. Pressing Delete will remove stored information. The display does not change until new data is entered.

To create a new ID, start at a location that has no data stored in it, or delete stored values to clear the memory space. Press the **Test ID** display box. The outline and first digit will turn yellow and flash. Set the value using the **+/-** buttons and press the display again. Repeat the process to set the second digit and press to save the test ID location. Proceed to the other locations and set the values as described above. When done, press the blue **Save Test ID** button to save all information at that location.

4.5 Lock/Unlock Screen Button

The **Lock/Unlock Screen** button protects against unintentional changes to the settings. To activate, press the blue **Lock Screen** button. The button will then change to display **Unlock Screen**. When the screen is locked, only the **Start/Stop** and **Unlock** buttons function. When the screen is unlocked, all buttons can be used to adjust and save values.

4.6 Start/Stop & Pause/Resume Buttons

The **Start/Stop** button controls the test cycle. Pressing the green **Start** button activates vibration and the count-down timer to the selected values. Pressing the red **Stop** button stops the machine immediately and resets the timer. Once started, the **Save/Delete Test ID** button is converted into a **Pause/Resume** button. Pressing **Pause** temporarily halts the test cycle and timer. Pressing **Resume** continues the test at the time remaining.

The SS-10 accepts up to eight full-height or sixteen half-height round test sieves of 8in (203mm) or 200mm diameter plus pan.

NOTE: 8in and 200mm sieves **CANNOT** be used in the same stack.

The SS-10 can test a wide variety of materials. Because of differing characteristics of these materials, optimum combinations of power levels, test times and interval times must be determined experimentally. Low initial power and time settings are recommended when testing an unfamiliar material. Settings may be increased gradually until complete separation is achieved without physically degrading the material.

Inserting the optional GAA-19 Clear Acrylic 8in Sieve Spacer in a sieve stack allows visual observation of specimen action to determine optimum settings for a given material. There must be enough energy to consistently move the largest particles and reorient them to different mesh openings.

Complete separation can be assumed when additional one minute increments of operation at higher power levels produce less than 1% of total weight difference in material passing a given sieve.

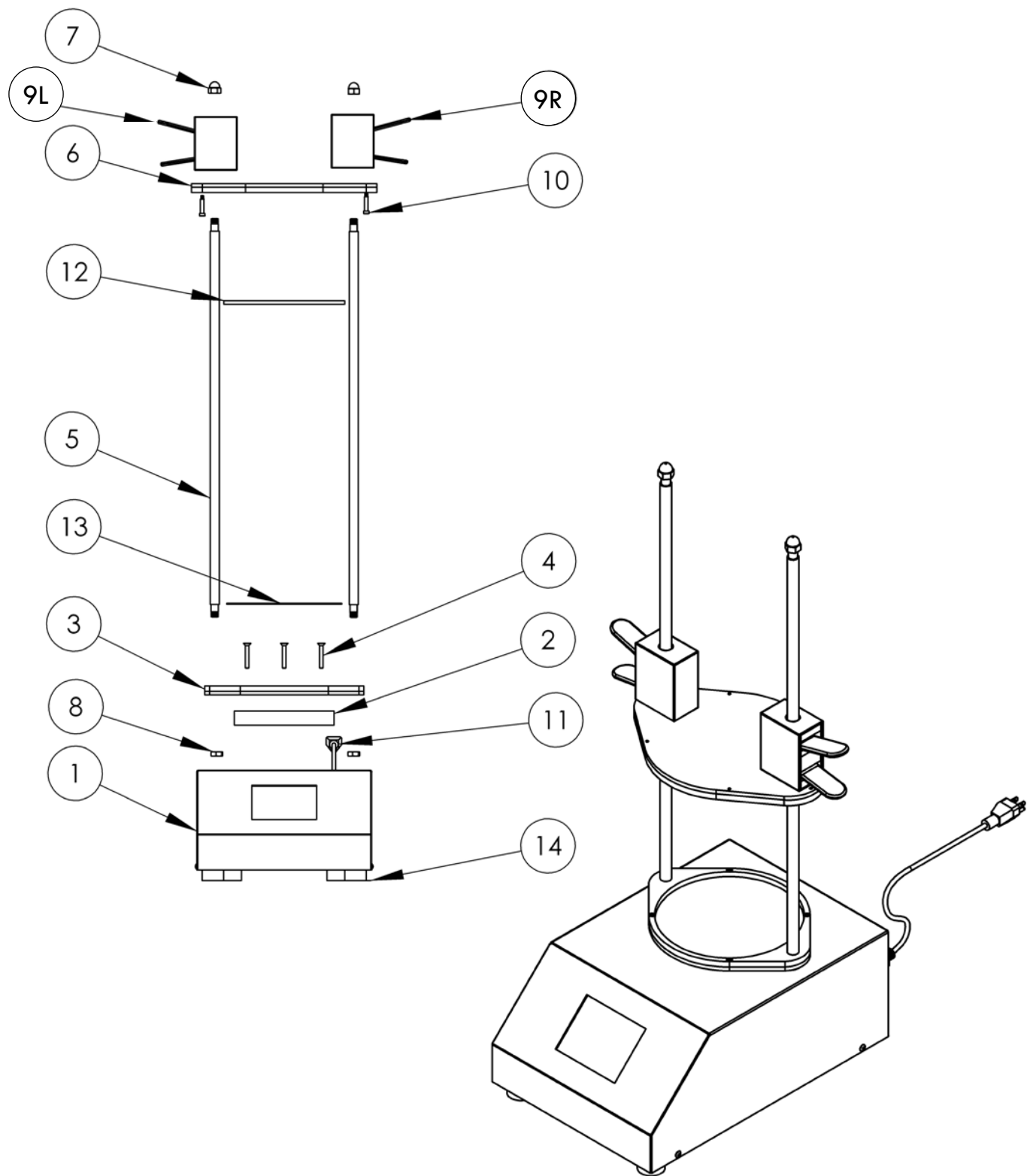
In addition to material type, power input and time, differences in sieve stack height and specimen weights may also cause performance variations. Using similar sieves, stack heights and sample weights will help maintain consistent separation results.

Start/Stop & Pause/Resume Buttons



Figure 4.6

NOTE: Occasionally, the unit may exhibit a pronounced rhythmic surging of the vibration level during operation. This can be prevented by stopping the machine and resetting the power level, changing the number of sieves in the stack, or changing the weight of the specimen.

5.0 PARTS DIAGRAM:**5.1 SS-10 Parts Diagram****SS-10 Parts Diagram**

6.0 PARTS LIST:

6.1 SS-10 Parts List

Item No.	Part No.	No. Req'd	Description
1	WGV8-BASE_ASSY	1	Base Assembly
2	WGV8-SPACER	1	Clearance Spacer
3	WGV8-BOTTOM_COVER_ASSY	1	Bottom Cover Assembly
4	WGSW-252175FAMSS	3	1/4-20 x 1.75 Flat Head Allen (Stainless)
5	WGV8-CLAMP_ROD	2	Clamp Rod
6	WGV8-TOP_COVER_ASSY	1	Top Cover Assembly
7	WGNT-513ACNOSS	2	1/2-13 Acorn Nut (Stainless)
8	WGNT-513HJNOSS	2	1/2-13 Hex Jam Nut (Stainless)
9R	WGSC-CLAMP_RIGHT	1	Sieve Clamp, Right-Hand Side
9L	WGSC-CLAMP_LEFT	1	Sieve Clamp, Left-Hand Side
10	WGSW-SB-03210025CSNSS	2	Shoulder Bolt 10-32 x 1in
11	WGAS-PP-SK0129	1	Power Cord
12	WGV8-TOP_PLATE_GASKET	1	Top Base Plate Gasket
13	WGV8-PLATE_GASKET	1	Base Plate Gasket
14	WGUS-1-1/2" FOOT	4	1-1/2in Rubber Foot

7.0 ADDITIONAL INFORMATION:

7.1 Gilson Sieves

Gilson stocks the widest range and largest quantity of sieves of any major supplier. Immediate shipment is available for all popular sizes. Custom sieves with special diameters and stacking heights are also available.

ASTM Sieves meet the requirements of ASTM E 11. ISO Sieves meet ISO 565 specifications with tolerances to ISO 3310-1. All are serial numbered and supplied with a certificate of manufacturing conformance.

ASTM and ISO Test Sieves are categorized in three different classes.

- **Compliance Test Sieves** are supplied with a basic certificate of manufacturing conformance. All Gilson Test Sieves meet Compliance grade requirements.
- **Inspection Test Sieves** have a specified number of openings measured and reported for each sieve.
- **Calibration Test Sieves** have two to three times as many openings measured on each sieve, and are supplied with more detailed documentation.

Mesh Opening Sizes are listed using standard millimeter (mm) or micrometer (µm) descriptions, as well as traditional inch and number designations where appropriate. Gilson offers all mesh sizes, but not all sizes are available in every frame diameter. Common coarse sizes are also

listed. Normally, every second or fourth size is used, although precision testing may require consecutive sizes. Additional sieves are often inserted into the sequence to avoid overloading of individual sieves or to better define a particular size range.

ISO Sieve Cloth can be mounted in 8in (203mm) frames when special-ordered. These items are non-returnable when supplied as ordered. Inquire.

Frame Diameter should be large enough to accommodate the entire sample volume with enough surface area to avoid overloading individual sieves. The frame diameter selected must also fit the sieve shaker being used. Most common sizes are normally in stock. Inquire for custom sizes.

Frame Heights are designated as Full-Height or Half-Height. Intermediate-Height sieves are also available for 3in and 12in diameters. Half or Intermediate-Height frames allow a greater number of sieves to be used when stack height is limited. Full-Height frames allow free movement of larger particles during agitation for more efficient separation. ISO Test Sieves are fitted with black rubber O-rings.

Frame and Cloth Material should meet both application and economic requirements:

- **Stainless Steel Frame with Stainless Steel Cloth** assures a sieve with the longest possible service life.

SIEVE FRAME HEIGHTS & PARTICLE TOPSIZE LIMITS

Sieve		Frame Height ¹		Particle Topsize	
Diameter	Frame Designation	Stacked	Overall	Recommended	Limit
3in (75mm)	FH	1-1/8	1-3/4	No.8	3/8in
	IH	1	1-1/2	No.8	3/8in
	HH	5/8	1-1/4	No.8	1/4in
6in (152mm)	FH	1-7/8	2-5/8	No.4	1/2in
	HH	1-1/8	1-7/8	No.4	3/8in
8in (203mm)	FH	2-1/8	2-5/8	No.4	1/2in
	HH	1-1/8	1-5/8	No.4	3/8in
200mm	FH	2-1/8	2-5/8	No.4	1/2in
	HH	1-1/8	1-5/8	No.4	3/8in
10in (254mm)	FH	3-1/8	4	3/8in	3/4in
12in (305mm)	FH	3-3/8	4-1/4	1/2in	1in
	IH	2-1/8	3	1/2in	3/4in
	HH	1-3/4	2-5/8	1/2in	1/2in
300mm	FH	2-1/2	3	1/2in	3/4in
	HH	1-1/2	2	1/2in	1/2in
18in (457mm)	FH	4-1/4	5-1/2	1-1/2in	2in

¹ Heights are approximate and vary due to mesh thickness.

This is the best choice where contamination, sanitation or extreme wear is an issue.

- **Brass Frame with Stainless Steel Cloth** is a popular choice that offers extended service and cost-effectiveness.
- **Brass Frame with Brass Cloth** is an economical choice for light-duty applications. Coarse-series sieves are not available with brass cloth.

Backing Cloth can be added to standard sieves with stainless steel cloth to prevent sagging or tearing of expensive fine mesh. Unsatisfactory service life from a sieve would suggest replacement by a sieve built with backing cloth. To order, add the code "BU" to the model number of the sieve. These sieves are made-to-order, have longer delivery times and are non-returnable.

Pans collect fines at the bottom of the sieve stack. Extended-Rim pans are also available to insert into the middle of a stack, allowing two samples to be tested at once.

Covers are not necessary with most Gilson sieve shakers, but may be needed if using a different shaker or shaking by hand. The Cover-with-Ring has a wire finger loop in the center to facilitate removal.

Sieve Verification procedures can be performed on new sieves and screen trays to help provide confidence that the standard deviation is within the maximum allowed by ASTM or ISO. Because the wire cloth stretches, sags, or even tears and abrasive materials can reduce wire diameters causing an increase in opening size and loss of accuracy, a verification process should also be set up to regularly verify the working sieves still meet the specifications required. These measurements can be taken directly using calipers an optical comparator, by testing with Standard Reference Materials, or by returning to Gilson for re-verification.

Gilson Verification Services can be performed on any sieve or Gilson screen tray, used or new. An optical comparator with NIST traceable calibration measures opening sizes and wire diameters on each serial numbered sieve. Certification reports include statistical analysis for the appropriate ASTM or ISO grade. These services are available for all ASTM and ISO sieve sizes and types, and are ordered by specifying the appropriate model number under our listing for Test Sieve Verification and Services. Sieves, trays, or wire cloth are not included in the purchase price of the verification services. To verify used sieves, contact a Gilson customer service representative for shipping instructions.

Standard Reference Materials (SRM's) are precision glass beads or powders used on sieves for performance testing. They are produced on equipment traceable to the

National Institute of Standards and Technology (NIST), or European Community Bureau of Reference (BCR). SRM's fit easily into internal quality programs following guidelines in ASTM E 2427, *Sieve Acceptance by Performance Testing*. User-Prepared Reference Materials can also be utilized under E 2427 in the same manner as SRM's. Because user materials are non-standard, they are not traceable and require much more handling. In addition, the user must determine acceptable tolerances for statistical analysis.

Sieve Shakers save considerable time and effort, and demonstrate superior accuracy, consistency, and repeatability compared to manual shaking methods for particle sizing. Effective agitation lifts all particles off the sieve cloth, reorients them, and allows them to be repeatedly "tried" to different openings at different angles. Careful review of shaker specifications allows optimal choices for different materials and applications. Greater sample volumes and large particle top size may indicate selection of Gilson Test-Master®, Testing Screen or Porta-Screen® models for efficient processing.

7.2 Test Sieve & Screen Tray Verification & Services

There have been extensive revisions to the newest version of ASTM standard E 11, *Specification for Wire Cloth and Sieves for Testing Purposes*. Gilson is leading the way in educating our customers about the new specification and making these new products available. The new specification affects all test sieves, screen trays, and wire cloth, and changes the way the mesh openings are evaluated by looking at the statistical distribution of aperture sizes, rather than just the average opening sizes. In addition to a more accurate and reliable system of evaluation, the new system also allows compatibility with ISO 3310-1 requirements. There are now three grades, or classes of ASTM or ISO test sieves available; Compliance, Inspection and Calibration. These same verification services are also available for screen trays used in Gilson Testing Screens, Test-Master®, Porta-Screen® and Gilso-Matic® machines.

- **Compliance Test Sieves** are manufactured with wire cloth that has been inspected and measured in roll or sheet quantities prior to being cut and mounted in the individual sieve frames. Opening sizes are not measured in individual sieves. Each Compliance sieve is supplied with a certificate of manufacturing compliance, but no statistical documentation is given. Compliance sieves are designed for applications where a basic, reliable degree of accuracy and repeatability are sufficient.
- **Inspection Test Sieves** have a specified number of openings measured in each sieve after the cloth is mounted in the frame. There is a 99% confidence level that the standard deviation of these openings is within

the maximum allowed by ASTM. Inspection Sieves are a good choice in applications where accuracy and repeatability are critical. Each Inspection Sieve consists of a Compliance Sieve with added Inspection Sieve Verification service.

- **Calibration Test Sieves** have about twice as many openings measured as Inspection Sieves. The higher number of openings measured on each sieve increases the confidence level to 99.73% that the standard deviation of these openings is within the maximum allowed by ASTM. Calibration Sieves should be used in applications where a very high degree of accuracy is required. Each Calibration Sieve consists of a compliance sieve with added Calibration Sieve Verification service.

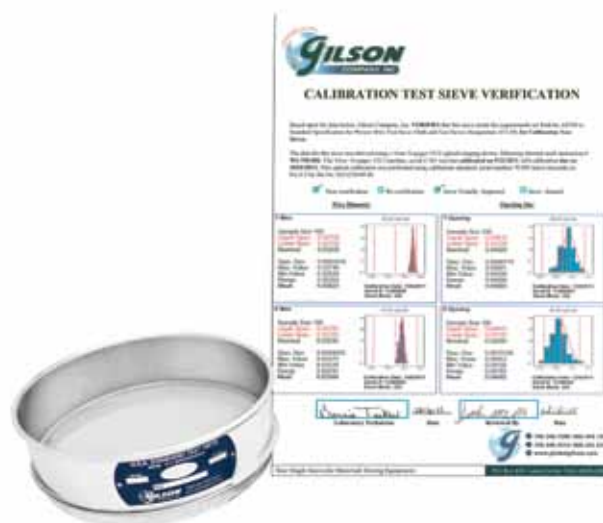
New Gilson Test Sieves are guaranteed to meet the requirements of ASTM or ISO for Compliance, Inspection or Calibration grades as ordered, but for continued assurance of performance, procedures should be in place to regularly check working sieves as they age. Wire cloth stretches, sags, or even tears, and abrasive materials reduce wire diameter, causing an increase in opening size and loss of accuracy over time.

Gilson Reverification Services can be performed on used ASTM or ISO Test Sieves or Screen Trays. An optical comparator with NIST traceable calibration measures opening and wire diameter sizes on each sieve. Certification reports are produced for the appropriate grade. These services are available for all ASTM and ISO sieve sizes and types, and are ordered by specifying model numbers for Inspection Sieve Verification, or Calibration Sieve Verification. Sieves are not included in the purchase price. When verifying used sieves, contact a Gilson customer service representative for shipping instructions.

Master-Matched Sieves are ASTM 8in diameter stainless woven-wire sieves from No.8 (2.36mm) to No.325 (45 μ m) that have been measured and shown to closely match a set of master sieves maintained by Gilson in a reference laboratory. Master-Matched Sieves from Gilson are always matched to the same master set, assuring that one sieve is very close to another. Master-Matched Sieves are also certified to meet ASTM E 11, so additional verification is not normally necessary. Master-Matching is done using special standard reference materials, sized for each sieve. Each sieve is performance tested to insure it yields $\pm 2\%$ by weight of the value of the master sieve.

Ordering

All Gilson test sieves meet ASTM or ISO requirements for Compliance Test Sieves. Ordering additional verification services for each individual sieve upgrades them to meet Inspection or Calibration specifications.



GV-65 Calibration Verification shown with Sieve



Certificate of E 11 Compliance for all Sieves

TEST SIEVE & SCREEN TRAY VERIFICATION & SERVICES

Description	Model
Inspection Test Sieve Verification, ASTM E 11	GV-60
Calibration Test Sieve Verification, ASTM E 11	GV-65
Inspection Test Sieve Verification, ISO 565 and 3310-1	GV-62
Calibration Test Sieve Verification, ISO 565 and 3310-1	GV-63
Inspection Screen Tray Verification, ASTM E 11	GV-61
Calibration Screen Tray Verification, ASTM E 11	GV-66
Inspection Screen Tray Verification, ISO 565 and 3310-1	GV-64
Calibration Screen Tray Verification, ISO 565 and 3310-1	GV-67
Master-Matched Sieves	MM-70

7.3 8in Diameter ASTM Test Sieves

8IN DIAMETER ASTM TEST SIEVES								
	ASTM		Brass Cloth Brass Frame		Stainless Cloth Brass Frame		Stainless Cloth Stainless Frame	
			Full Ht.	Half Ht.	Full Ht.	Half Ht.	Full Ht.	Half Ht.
C O A R S E S E R I E S	4in	100.0mm	—	—	V8CF 4"	V8CH 4"	V8SF 4"	—
	3-1/2in	90.0mm	—	—	V8CF 3-1/2"	V8CH 3-1/2"	V8SF 3-1/2"	—
	3in	75.0mm	—	—	V8CF 3"	V8CH 3"	V8SF 3"	—
	2-1/2in	63.0mm	—	—	V8CF 2-1/2"	V8CH 2-1/2"	V8SF 2-1/2"	—
	2.12in	53.0mm	—	—	V8CF 2.12"	V8CH 2.12"	V8SF 2.12"	—
	2in	50.0mm	—	—	V8CF 2"	V8CH 2"	V8SF 2"	—
	1-3/4in	45.0mm	—	—	V8CF 1-3/4"	V8CH 1-3/4"	V8SF 1-3/4"	—
	1-1/2in	37.5mm	—	—	V8CF 1-1/2"	V8CH 1-1/2"	V8SF 1-1/2"	—
	1-1/4in	31.5mm	—	—	V8CF 1-1/4"	V8CH 1-1/4"	V8SF 1-1/4"	—
	1.06in	26.5mm	—	—	V8CF 1.06"	V8CH 1.06"	V8SF 1.06"	—
	1in	25.0mm	—	—	V8CF 1"	V8CH 1"	V8SF 1"	V8SH 1"
	7/8in	22.4mm	—	—	V8CF 7/8"	V8CH 7/8"	V8SF 7/8"	V8SH 7/8"
	3/4in	19.0mm	—	—	V8CF 3/4"	V8CH 3/4"	V8SF 3/4"	V8SH 3/4"
	5/8in	16.0mm	—	—	V8CF 5/8"	V8CH 5/8"	V8SF 5/8"	V8SH 5/8"
	0.530in	13.2mm	—	—	V8CF .530"	V8CH .530"	V8SF .530"	V8SH .530"
	1/2in	12.5mm	—	—	V8CF 1/2"	V8CH 1/2"	V8SF 1/2"	V8SH 1/2"
	7/16in	11.2mm	—	—	V8CF 7/16"	V8CH 7/16"	V8SF 7/16"	V8SH 7/16"
	3/8in	9.5mm	—	—	V8CF 3/8"	V8CH 3/8"	V8SF 3/8"	V8SH 3/8"
	5/16in	8.0mm	—	—	V8CF 5/16"	V8CH 5/16"	V8SF 5/16"	V8SH 5/16"
	0.265in	6.7mm	—	—	V8CF .265"	V8CH .265"	V8SF .265"	V8SH .265"
	1/4in	6.3mm	—	—	V8CF 1/4"	V8CH 1/4"	V8SF 1/4"	V8SH 1/4"
	No.3-1/2	5.6mm	V8BF #3-1/2	V8BH #3-1/2	V8CF #3-1/2	V8CH #3-1/2	V8SF #3-1/2	V8SH #3-1/2
	No.4	4.75mm	V8BF #4	V8BH #4	V8CF #4	V8CH #4	V8SF #4	V8SH #4
F I N E S E R I E S	No.5	4.0mm	V8BF #5	V8BH #5	V8CF #5	V8CH #5	V8SF #5	V8SH #5
	No.6	3.35mm	V8BF #6	V8BH #6	V8CF #6	V8CH #6	V8SF #6	V8SH #6
	1/8in ¹	3.18mm	—	—	V8CF 1/8"	V8CH 1/8"	V8SF 1/8"	V8SH 1/8"
	No.7	2.8mm	V8BF #7	V8BH #7	V8CF #7	V8CH #7	V8SF #7	V8SH #7
	No.8	2.36mm	V8BF #8	V8BH #8	V8CF #8	V8CH #8	V8SF #8	V8SH #8
	No.10	2.0mm	V8BF #10	V8BH #10	V8CF #10	V8CH #10	V8SF #10	V8SH #10
	No.12	1.7mm	V8BF #12	V8BH #12	V8CF #12	V8CH #12	V8SF #12	V8SH #12
	No.14	1.4mm	V8BF #14	V8BH #14	V8CF #14	V8CH #14	V8SF #14	V8SH #14
	No.16	1.18mm	V8BF #16	V8BH #16	V8CF #16	V8CH #16	V8SF #16	V8SH #16
	No.18	1.0mm	V8BF #18	V8BH #18	V8CF #18	V8CH #18	V8SF #18	V8SH #18
	No.20	850µm	V8BF #20	V8BH #20	V8CF #20	V8CH #20	V8SF #20	V8SH #20
	No.25	710µm	V8BF #25	V8BH #25	V8CF #25	V8CH #25	V8SF #25	V8SH #25
	No.30	600µm	V8BF #30	V8BH #30	V8CF #30	V8CH #30	V8SF #30	V8SH #30
	No.35	500µm	V8BF #35	V8BH #35	V8CF #35	V8CH #35	V8SF #35	V8SH #35
	No.40	425µm	V8BF #40	V8BH #40	V8CF #40	V8CH #40	V8SF #40	V8SH #40
	No.45	355µm	V8BF #45	V8BH #45	V8CF #45	V8CH #45	V8SF #45	V8SH #45
	No.50	300µm	V8BF #50	V8BH #50	V8CF #50	V8CH #50	V8SF #50	V8SH #50
	No.60	250µm	V8BF #60	V8BH #60	V8CF #60	V8CH #60	V8SF #60	V8SH #60
	No.70	212µm	V8BF #70	V8BH #70	V8CF #70	V8CH #70	V8SF #70	V8SH #70
	No.80	180µm	V8BF #80	V8BH #80	V8CF #80	V8CH #80	V8SF #80	V8SH #80
	No.100	150µm	V8BF #100	V8BH #100	V8CF #100	V8CH #100	V8SF #100	V8SH #100
	No.120	125µm	V8BF #120	V8BH #120	V8CF #120	V8CH #120	V8SF #120	V8SH #120
	No.140	106µm	V8BF #140	V8BH #140	V8CF #140	V8CH #140	V8SF #140	V8SH #140
	No.170	90µm	V8BF #170	V8BH #170	V8CF #170	V8CH #170	V8SF #170	V8SH #170
	No.200	75µm	V8BF #200	V8BH #200	V8CF #200	V8CH #200	V8SF #200	V8SH #200
	No.230	63µm	V8BF #230	V8BH #230	V8CF #230	V8CH #230	V8SF #230	V8SH #230
	No.270	53µm	V8BF #270	V8BH #270	V8CF #270	V8CH #270	V8SF #270	V8SH #270
	No.325	45µm	V8BF #325	V8BH #325	V8CF #325	V8CH #325	V8SF #325	V8SH #325
	No.400	38µm	V8BF #400	V8BH #400	V8CF #400	V8CH #400	V8SF #400	V8SH #400
	No.450	32µm	—	—	V8CF #450	V8CH #450	V8SF #450	V8SH #450
	No.500	25µm	—	—	V8CF #500	V8CH #500	V8SF #500	V8SH #500
	No.635	20µm	—	—	V8CF #635	V8CH #635	V8SF #635	V8SH #635
	Regular Pan		V8BFXPN	V8BHXPN	V8BFXPN	V8BHXPN	V8SFXPN	V8SHXPN
	Extended Rim Pan		V8BFXPE	V8BHXPE	V8BFXPE	V8BHXPE	V8SFXPE	V8SHXPE
	Regular Cover		V8BFXCV		V8BFXCV		V8SFXCV	
	Cover with Ring		V8BFXCR		V8BFXCR		V8SFXCR	

**8in Round Test Sieves****SS-8R Gilson Tapping
Sieve Shaker
shown with Sieves**¹ Not a standard ASTM E 11 size.