



OPERATING MANUAL

Gilson Silent Sifter® SS-21 & SS-21F and Gilson Silent Sifter® II SS-22 & SS-22F



SS-21



SS-22

Rev: 10/08/2017

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** ensure the motor and other electrical components are properly configured for your intended use and available power source. The Gilson SS-20 Rotary Sifter comes with a 1/3hp motor wired for 115V/60Hz. Motors are **NOT** explosion-proof.
2. **ALWAYS** check electrical wiring for loose connections and for pinched or frayed wiring.
3. **ALWAYS** use the factory-installed three-pronged plug. Connect the machine to a properly wired and grounded 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 cabinet in place.

WARNING: Stop the machine immediately if excessive noise, vibration or machine movement occurs.

WARNING: The electric motor on this machine has internal thermal protection. If the motor shuts off from overload, the machine may restart by itself after cooling off, unless the machine is unplugged during cool-down.

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

WARNING: Keep all parts of your body away from moving parts of the machine while it is operating.

WARNING: **ALWAYS** wear safety glasses and recommended hearing protection when operating, maintaining, or repairing this machine.

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1.0 INTRODUCTION:

GILSON SILENT SIFTER®

- Built by Gilson, backed by Gilson.
- Accurate results.
- Simple and efficient.
- Ergonomic test positioning knob.

Gilson has revamped the classic rotary sifter design and added our own innovations. This proven sieving method preferred by many DOT's is now available with Gilson-guaranteed quality and reliability.

Gilson's progressive design carries forward the best features of traditional rotary sifters and adds upgrades drawn from our expertise in particle separation technology. Faster conversion between sieve sizes, easier set up, and quieter operation all reflect the time devoted to improved design and materials.

The totally enclosed design allows safe, dust-free operation. The cabinet is oriented at an angle, and the sieve stack is simply placed inside, resting against the rollers; no clamping is required. An ergonomic knob allows easy rotation of the cabinet between the loading and testing positions. A drive roller system continuously rotates the sieve stack with particle separation assisted by tapping against the stack. The digital countdown timer with large LED display precisely times operation.

2.0 UNPACKING & SET-UP:

The Gilson Rotary Sifter weighs approximately 215lbs. Use appropriate equipment and manpower to uncrate and assemble the Sifter. Wear safety glasses and work gloves.

The Gilson Sifters are shipped with the Steel Support Stand detached. The Sifter Cabinet must be installed on the Support Stand to operate properly. **DO NOT** attempt to operate the Sifter until properly assembled. See Figure 1 for components.

1. Remove the two halves of the Steel Support Stand from the box. Each half has a Frame Cross Rail partially bolted to the bottom rail.
2. Set the Support Stand halves parallel to each other on a sturdy surface. Swing each cross rail out 90° and connect to the opposite bottom rail, securing with the bolts and nuts supplied. Tighten all connections securely.
3. Remove the top half of the pivot post mounts from the Floor Stand and set aside.

4. Use two people to lift the Sifter Cabinet and carefully set it vertically on the frame so that both Pivot Posts rest in the "saddle" of the pivot post mounts. Replace the top half of the mounts and secure the bolts.
5. Check that all connections are secure and that the Sifter rotates properly 45° back from vertical to its testing position against the Cabinet Rotation Stops.
6. Carefully read and understand the rest of these instructions prior to operating the SS-21.
7. For any questions or issues, please contact Gilson Technical Support at **800.444.1508**, or email **techsupport@gilsonco.com**.

NOTE: Gilson Sifters come with a 1/4hp motor wired for 115V/60Hz, and the SS-21F and SS-22F motors are wired for 230V/50Hz. Either must be connected to a properly grounded, dedicated outlet of minimum 15 amp capacity. The motor is **NOT** explosion-proof.

3.0 OPERATING INSTRUCTIONS:

NOTE: Please read and understand all safety and operating instructions for the Gilson Silent Sifter® before putting it into service.

3.1 Test Specimen & Sieve Stack Assembly

The Gilson Silent Sifter® efficiently separates most free-flowing materials with particle sizes from No.4—No.200 (4.75mm—75µm). Performance on extended size ranges can be determined by experimentation. The test specimen should be large enough to be representative, without overloading any individual sieve. Maximum loading for individual sieves No.4 and finer should be no more than 200g for 8in sieves and 450g for 12in sieves, for materials with specific gravities similar to mineral aggregates. Sieves coarser than No.4 should be limited to about one particle of material for each available opening.

NOTE: Overloading on one or more sieves may result in incomplete separation, inaccurate results, or damage to the sieve cloth. Large samples should be tested as two or more batches, combining the results for final calculations.

Determine what size test sieves will be used, and adjust the Silent Sifter to the proper settings. There are two openings approximately 2in apart in the center of the cabinet bottom (see Figure 1). Insert the post of the sieve turntable into the proper opening; the opening toward the front is for 12in or 300mm diameter sieves, and the one toward the back is for 8in or 200mm diameter sieves. Set the sieve size selector knob on the front control panel to “12” or “8”. This adjusts the springs controlling the tapping hammers for the best tapping force.

In addition to the test sieves selected for the test, the sieve stack must include the appropriate receiving pan and a sieve cover. Assemble the sieve stack with the pan and finest sieves on the bottom, progressing to the coarsest sieves on top. Deposit the prepared test specimen onto the top sieve, and put the cover on.

Open the cabinet door all the way. Special heavy-duty hinges allow the door to swing 170° for complete and easy access to the interior. Carefully place the entire sieve stack with sample on the sieve turntable in the Silent Sifter, resting the stack against the rubber-covered rollers in the back of the cabinet. Use the ergonomic knob on the side of the case to tilt the cabinet back against the cabinet rotation stops to its operating angle of approximately 45°. Taller operators may find it more convenient to load the sieve stack with the cabinet already tilted back. Close the cabinet door completely.

NOTE: Before starting a test cycle, the cabinet must be tilted back against the rotation stops. Failure to do this may result in incomplete separation or loss of the test specimen.

NOTE: The Door Safety Switch prevents operation of the Sifter and Timer until the cabinet door is completely closed. Disabling this switch makes operation of the Sifter dangerous and voids the warranty.

3.2 Timer Set-Up & Operation

This unit is equipped with an easy-to-operate Gilson interval count-down timer. The timer has a large 0.6in LED display and will operate in four different modes. It is powered by line voltage and will work on power supplies from 100—265 VAC, 50/60Hz, with up to 20 amps Inductive or Resistive current.

NOTE: The motor controlled by the timer is restricted to operating on a limited electrical supply range. Check carefully to insure compatibility with your electrical supply.

Current timer mode is indicated by the four red LED's on the timer face:

- A = MMSS (99min:59sec x 1 second)
- B = HHMM (99hr:59min x 1 minute)
- C = SSSS (9999sec x 1 second)
- D = MMMM (9999min x 1 minute)

(H is for hours, M for minutes, and S for seconds.) To adjust the timer mode, press and hold both <UP> and <DOWN> keys at the same time until the display shows the mode. Once the mode letters are displayed, press <UP> or <DOWN> to change modes. Press <START/STOP> to accept new mode.

The time required to complete a test will vary depending upon the physical characteristics of the test material. Most separations will be complete in ten minutes or less. It may require experimentation to determine the optimum test time for a particular material.

To set the run time, press either <UP> or <DOWN>. The first digit on the right hand side will flash in half-second intervals. Press either arrow key to adjust to the desired value. To enter the displayed digit and move to the next, press <START/STOP>. Once the last digit on the left is entered, the timer is ready to start.

Insure the cabinet is rotated back to its operating angle of 45°, then Press <START/STOP> to initiate the current run program. Once running, pressing <START/STOP> again will pause the timer with the current amount of time remaining on screen. When allowed to time-out, the timer beeps and displays DONE. Press any key to reset the timer and prepare it for the next cycle. Setting and Mode values are saved automatically.

NOTE: Opening the cabinet door in the middle of a test cycle shuts off all power to the timer and motor. When the door is closed again, the timer will be reset to the originally programmed time interval.

When the test cycle is complete, open the cabinet door and remove the sieve stack for weight determinations.

3.3 Components

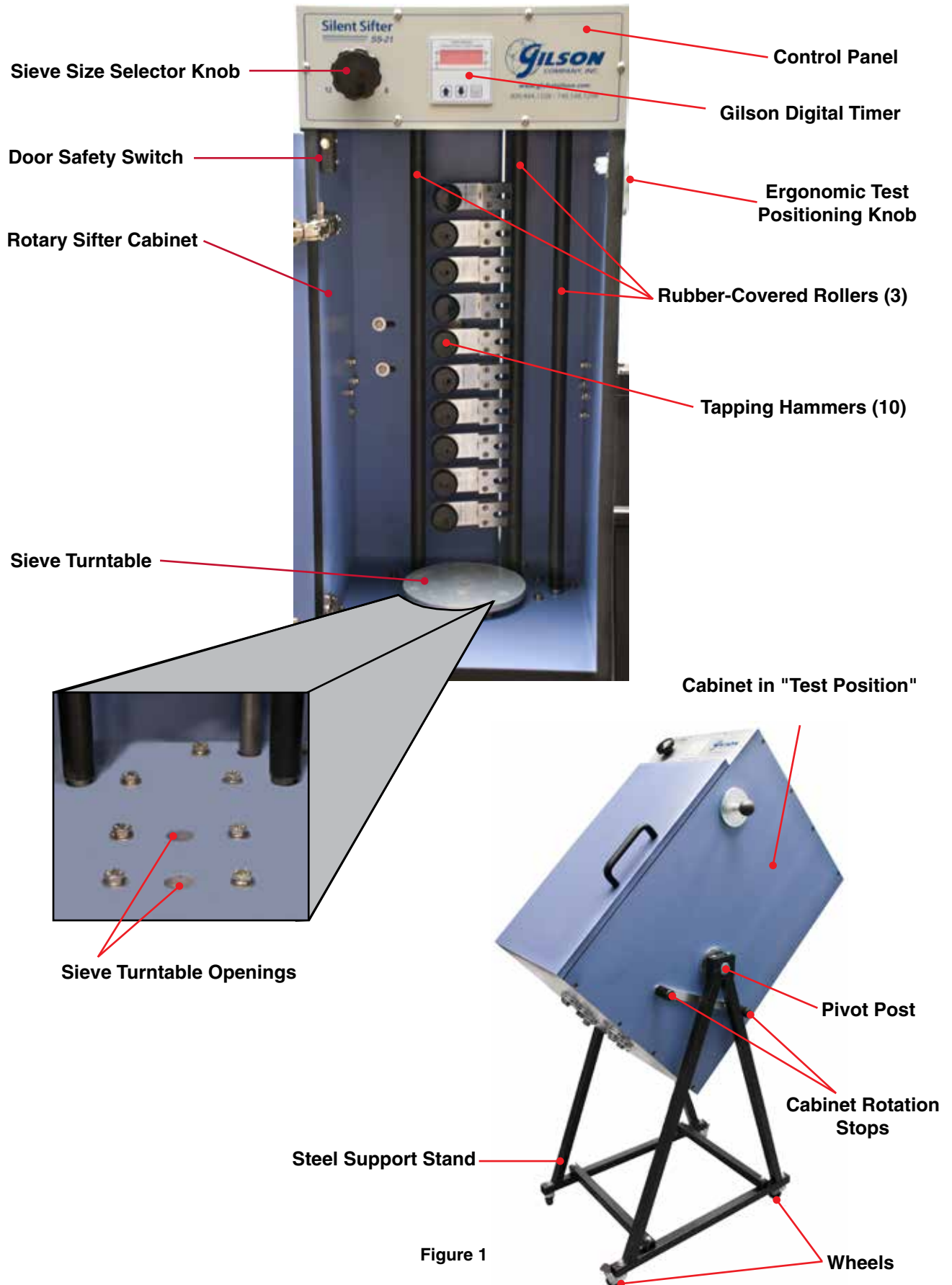


Figure 1

4.0 MAINTENANCE:

Before performing maintenance or repairs on the sieve shaker, **ALWAYS** read and understand the safety, operating, and maintenance instructions.

5.0 TROUBLESHOOTING:

| GILSON SILENT SIFTER & SILENT SIFTER® II TROUBLESHOOTING | | |
|--|---|---|
| Symptoms | Possible Causes | Solutions |
| No power to display, machine will not operate. | Power disconnected. | Reconnect to power supply. |
| | Door not closed completely. | Close door completely. |
| | Faulty door safety switch. | Check connections and/or replace door safety switch. |
| Display is lit, but motor does not run. | Faulty connections/wiring. | Trace circuits with electrical meter. |
| | Faulty timer. | Diagnose timer output/connections. |
| | Faulty motor. | Replace motor. |
| Display is lit, motor runs, but machine does not operate properly. | Loose or broken drive belt. | Adjust tension or replace belt. |
| | Pulley(s) loose on shaft(s). | Tighten set screws on shaft bearings. |
| | Turntable installed in wrong opening. | Install turntable in correct opening. |
| | Sieve size selection knob not set correctly. | Set selection knob to correct size. |
| Excessive noise and vibration. | Sieve stack not seated properly. | Seat sieve stack properly. |
| | Turntable installed in wrong opening. | Install turntable in correct opening. |
| | Improperly adjusted or broken drive components. | Check belts, pulleys, bearings and rods. Adjust or replace as required. |
| | Sieve size selection knob not set correctly. | Set selection knob to correct size. |
| Excessive loss of specimen fines during testing. | Damaged or deformed sieve frames or flanges. | Replace damaged or deformed sieves. |
| | Sieves not seated properly. | Seat sieves properly. |
| Inconsistent or unexpected test results. | Damaged/out of specification sieve cloth. | Replace sieve. |
| | Blinded sieve mesh. | Clean sieve. |
| | Improper tapper operation. | Adjust or repair tappers. |
| | Insufficient test time. | Increase test time. |

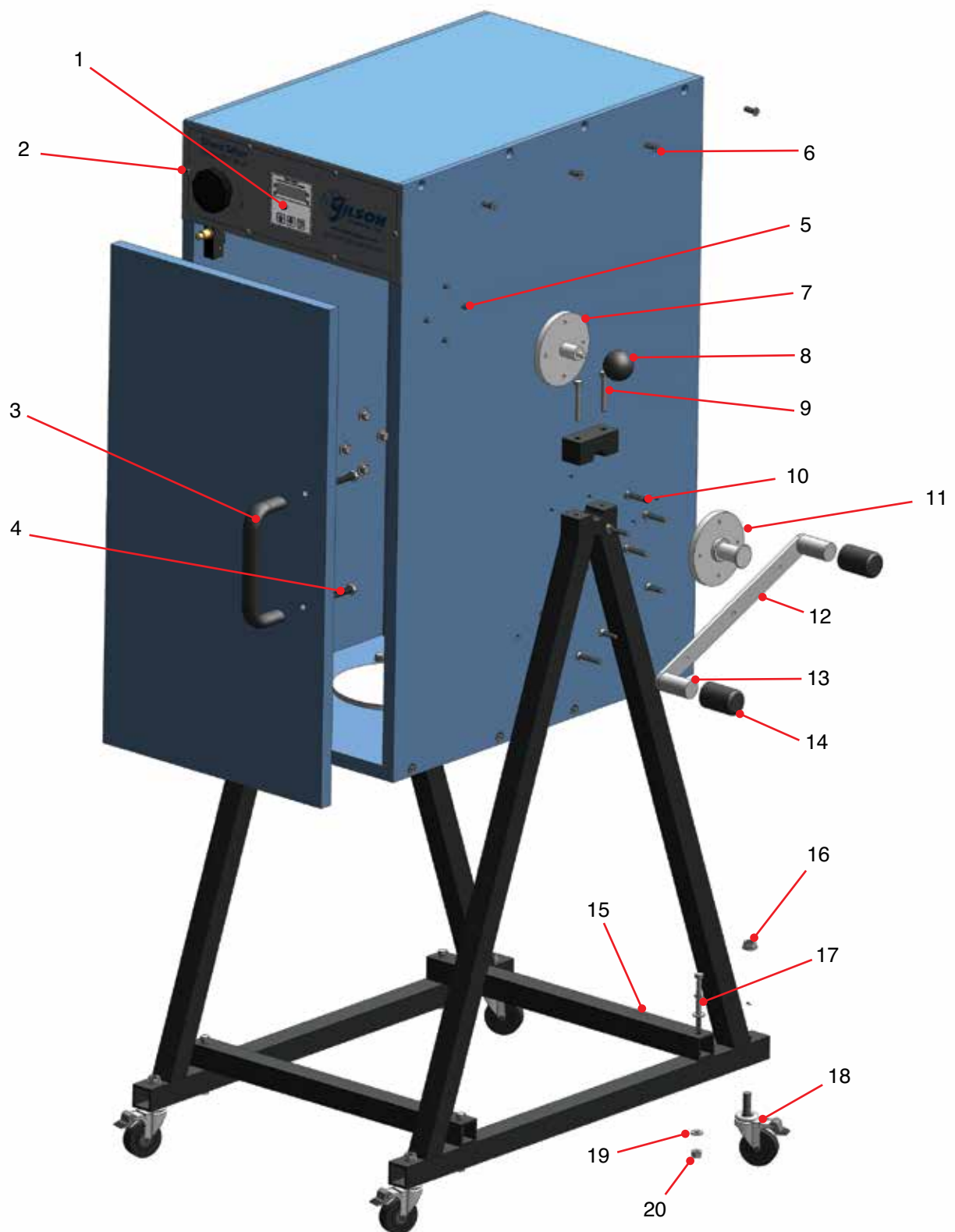
Contact Gilson Technical Support for assistance in diagnosis and repair of problems with the Gilson Silent Sifter.
E-mail: techsupport@gilsonco.com or Call: 800.444.1508

6.0 SPECIFICATIONS:

| | |
|-----------------------------|---|
| Particle Size Range: | No.4—No.200 (4.75mm—75µm) Nominal (Extended ranges possible, depending on material type. |
| Sieve Capacity: | 8in or 200mm Diameter 10 Full-Height 20 Half-Height 12in or 300mm 6 Full-Height 10 Intermediate-Height 13 Half-Height |
| Controller: | Gilson Count-Down Timer, 99min:59sec x 1sec. (Maximum 99hr:59min x 1min). |
| Motor: | 1/4hp, 1725rpm, Continuous Duty |
| Power Requirements: | 115V/60Hz AC |
| Dimensions: | 19x24x58in (483x610x1473mm), WxDxH |
| Weight: | 195lb (88kg) |
| Ship Weight: | 215lb (98kg) |

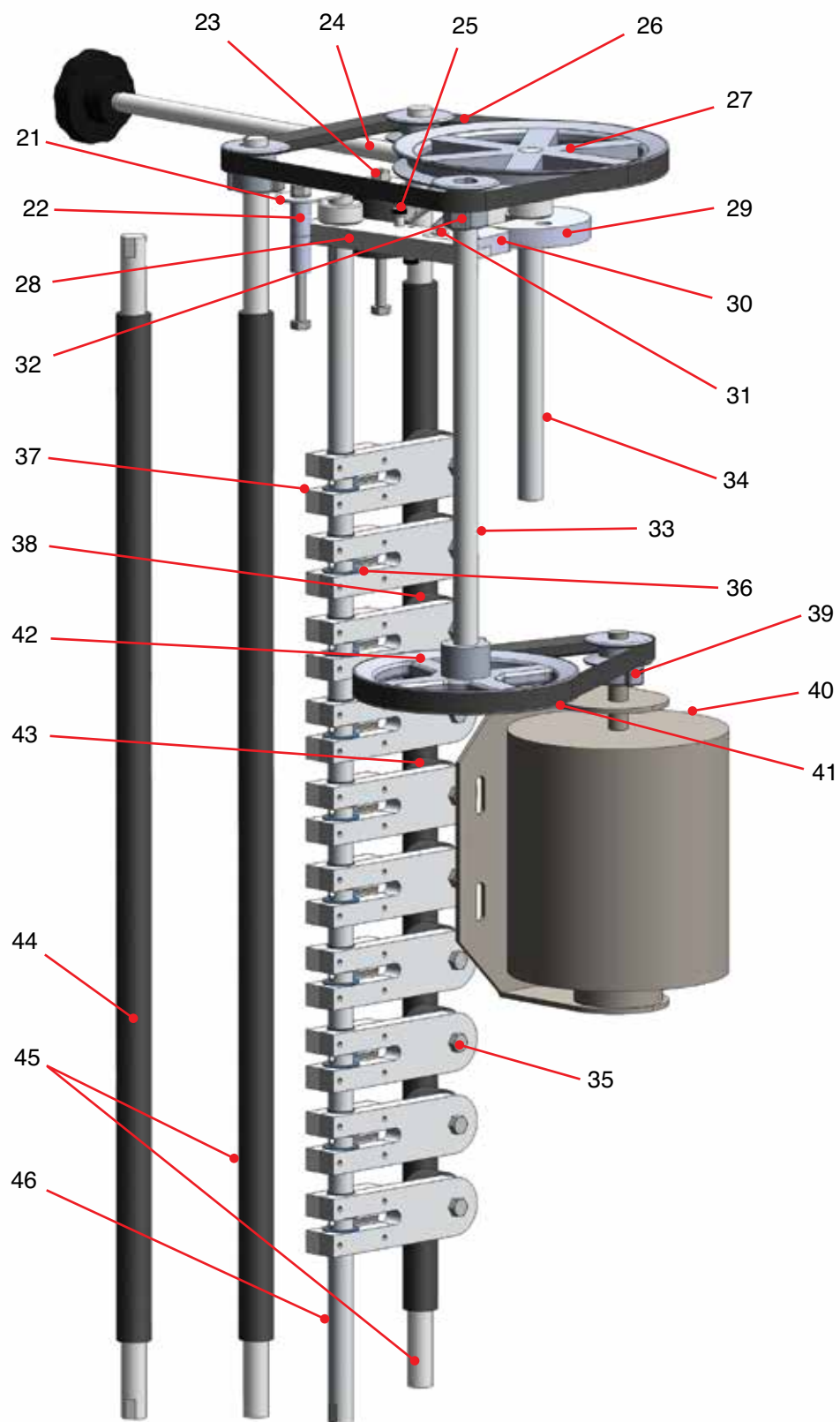
7.0 PARTS DIAGRAMS & ELECTRICAL SCHEMATIC:

7.1 External Parts Diagram



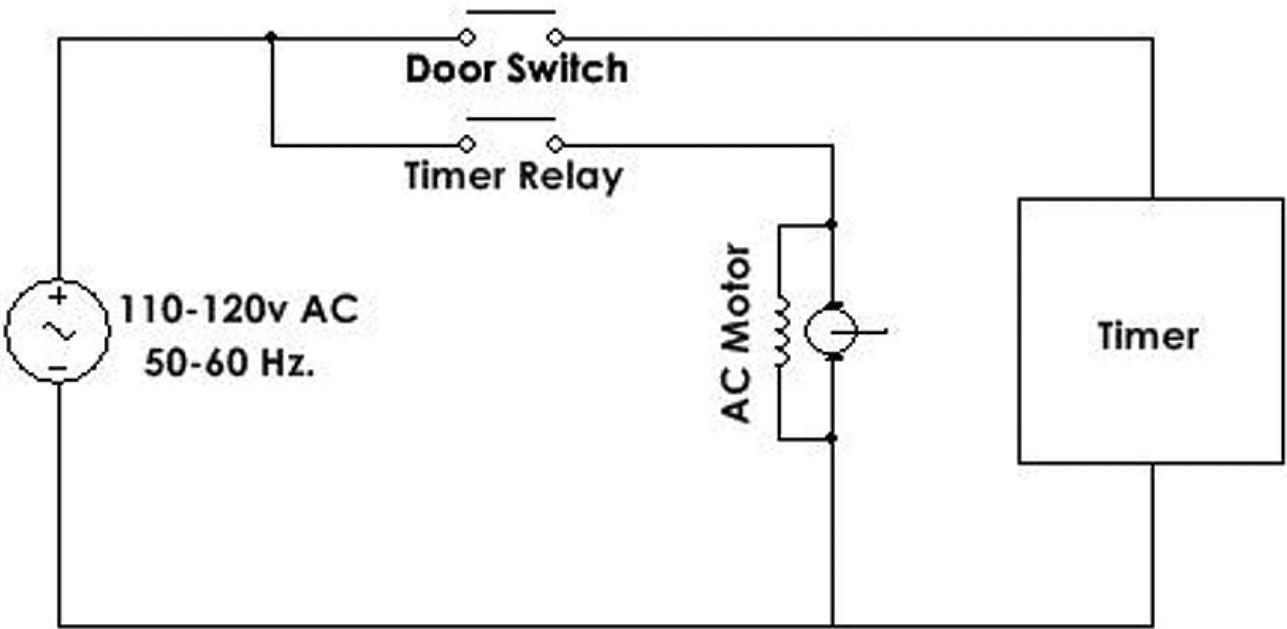
External Parts Diagram

7.2 Internal Parts Diagram

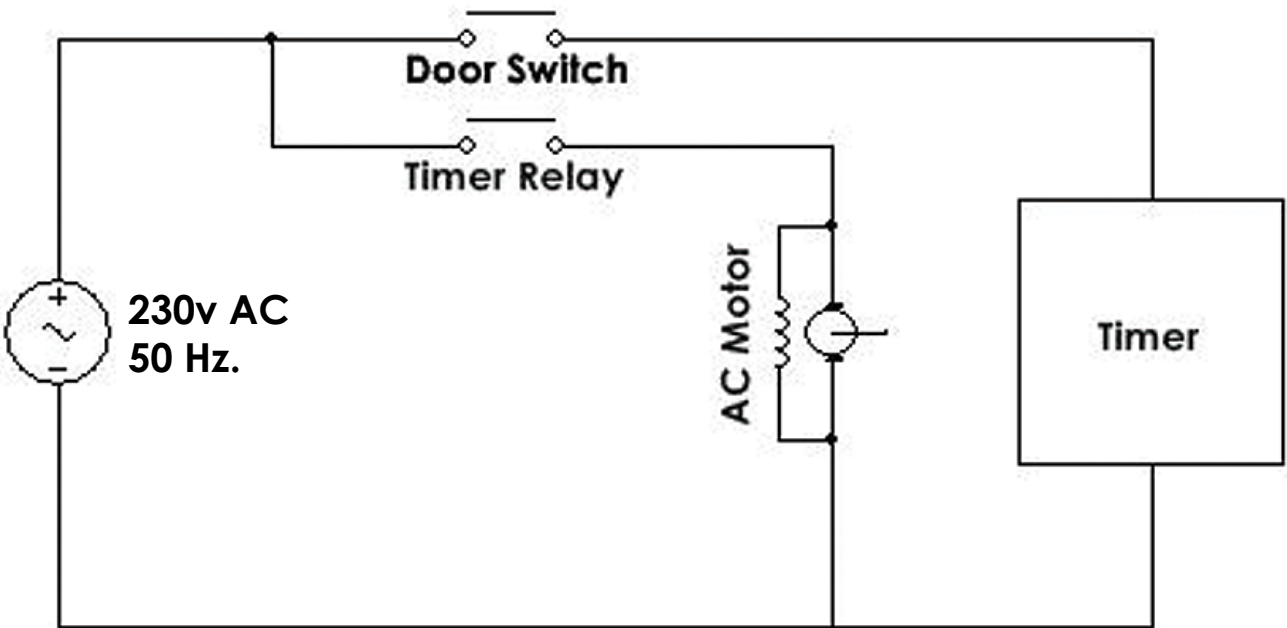


Internal Parts Diagram

7.2 Electrical Schematic



Electrical Schematic



SS-21F & SS-22F Electrical Schematic

8.0 PARTS LIST:

8.1 Parts List

| Item No. | Part No. | No. Req'd | Description |
|----------|-------------------------|-----------|--------------------------------------|
| 1 | SSA-76 | 1 | Timer/Controller |
| 2 | WGSW-832050TPMSS | 6 | Machine Screw (#8-32 x 0.5in Lg.) |
| 3 | WGRA-HANDLE | 1 | Door Handle |
| 4 | WGSW-516125PMSS | 2 | Machine Screw (5/16-18 x 1.25in Lg.) |
| 5 | WGSW-252100FAMSB | 16 | Machine Screw (1/4-20 x 1.00" Lg.) |
| 6 | WGSW-252075FAMSB | 16 | Machine Screw (1/4-20 x 0.75in Lg.) |
| 7 | WGRA-PULLHANDLE | 1 | Mount For Pull Handle |
| 8 | WGRA-PULLKNOB | 1 | Pull Handle Knob |
| 9 | WGSW-252200HHMSS | 4 | Bolt (1/4-20 x 2in Lg.) |
| 10 | WGSW-252125HHMSS | 8 | Bolt (1/4-20 x 1.25" Lg.) |
| 11 | WGRA-ROTATEPOST | 2 | Pivot Post |
| 12 | WGRA-GUIDEBRKT | 1 | Tilt Guide |
| 13 | WGRA-STOPPER | 2 | Tilt Stop |
| 14 | WGRA-STPRCAPS | 2 | Tilt Stop Cap |
| 15 | WGRA-CROSSRAIL | 2 | Frame Cross Rail |
| 16 | WGNT-386HXSESZ | 4 | 3/8-16 Self Locking Nut |
| 17 | WGSW-252300HHMSS | 4 | Bolt (1/4-20 x 3in Lg.) |
| 18 | WGRA-CASTERS | 4 | Locking Caster |
| 19 | WGW-250FLNOSS | 8 | Washer (1/4 in) |
| 20 | WGRA-252HXNYSS | 4 | Lock Nut (1/4-20) |
| 21 | WGRA-CHS Bracket | 1 | Silencer Bracket |
| 22 | WGSW-252075RUNY050 | 4 | Nylon Standoff |
| 23 | WGNT-252HXNYSS | 4 | Lock Nut (1/4-20) |
| 24 | WGRA-SPRINGROD | 1 | Tensioner Rod |
| 25 | WGSW-SB-0204025038CAMSS | 2 | Machine Screw (#8-32 x 4/2 Lg.) |
| 26 | WGRA-VBELTUPPER | 1 | Upper V-Belt |
| 27 | WGRA-700X625PULLEY | 1 | Cam Pulley |
| 28 | WGRA-CAMARM | 1 | Cam Hammer Arm |
| 29 | WGRA-CAM | 1 | Cam |
| 30 | WGRA-CAMHAMMERHEAD | 1 | Cam Hammer Head |
| 31 | WGRA-024038TPMSS | 2 | Machine Screw (#10-24 x 0.375in Lg.) |
| 32 | WGRA-200X625PULLEY | 3 | Rod Pulley |
| 33 | WGRA-ROD13 | 1 | Drive Shaft Rod |
| 34 | WGRA-ROD9 | 1 | Cam Rod |
| 35 | WGSW-252100HHMSS | 10 | Bolt (1/4-20 x 1in Lg.) |
| 36 | WGRA-NYLINER | 20 | Nylon Spacer |
| 37 | SSA-72 | 10 | Hammer Assembly |
| 38 | SSA-74 | 10 | Hammer Head |
| 39 | WGRA-175X500 PULLEY | 1 | Motor Pulley |
| 40 | WGRA-MOTOR | 1 | Motor, 115V/60Hz |
| 40F | WGRA-MOTOR-F | 1 | Motor, 230V/50Hz |
| 41 | WGRA-VBELTLLOWER | 1 | Lower V-Belt |
| 42 | WGRA-600X625PULLEY | 1 | Drive Pulley |
| 43 | SSA/12 | 10 | Cover for Tapper |
| 44 | WGRA-IDLERASSY | 1 | Idle Rod |
| 45 | WGRA-DRIVERASSY | 2 | Driver Rod |
| 46 | WGRA-HAMMERROD | 1 | Hammer Rod |

9.0 ADDITIONAL INFORMATION:

9.1 Gilson Test 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

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 nonreturnable when supplied as ordered.

Frame Diameter

Frames should accommodate the entire sample volume with enough surface area to avoid overloading individual sieves. The diameter selected must also fit the sieve shaker being used. Gilson stocks most common sizes. Inquire for custom sizes.

Frame Height

Sieve frames 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

- **Stainless Steel Frame with Stainless Steel Cloth** assures a sieve with the longest possible service life. This is the best choice where contamination, sanitation or extreme wear is an issue.

SIEVE FRAME HEIGHTS & PARTICLE TOPSIZE LIMITS

| Sieve | | Frame Height | | 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 |

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

Backing Cloth

Back-up cloth prevents sagging or tearing of expensive fine stainless steel 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 and Covers

- 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.

Gilson Sieve Verification Services

Gilson Verification can be performed on any test sieve or Gilson screen tray, used or new. These services are ordered by specifying the appropriate model number given in our listing for Test Sieve and Screen Tray Verification and Services. An optical comparator with NIST traceable calibration measures opening sizes and wire diameters on each sieve, and a statistical analysis assures the standard deviations are within ASTM or ISO requirements for Inspection or Calibration grades. Sieves, trays, or wire cloth units are not included in the purchase price of the verification services. Because wire cloth stretches, sags, or tears, and abrasive materials can reduce wire diameters, a verification process should also be set up to regularly verify that working sieves still meet the specifications. These measurements can be taken directly using calipers or an optical comparator, by testing with Standard Reference Materials, or by returning to Gilson for Re-Verification. To verify used sieves, contact a Gilson customer service representative for shipping instructions.

Standard Reference Materials (SRM's)

Sieve Reference Materials are precision glass beads or powders for performance testing of sieves. They are 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

The proper sieve shaker saves considerable time and effort, and yields 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.

9.2 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 565 and 3310-1 requirements. There are now three grades, or classes of ASTM or ISO test sieves available; Compliance, Inspection and Calibration.

- **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.

These same verification services are also available for screen trays used in Gilson Testing Screens, Test-Master®, Porta-Screen® and Gilso-Matic® machines.

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 (45µm) 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 |

9.3 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 | |

¹ Not a standard ASTM E 11 size.

8in Round Test Sieves



SS-21

9.4 12in Diameter ASTM Test Sieves

| 12IN DIAMETER ASTM TEST SIEVES | | | | | | | | | | | |
|--------------------------------|--------------------|---------|----------------------------|------------|------------|--------------------------------|--------------|--------------|------------------------------------|--------------|--------------|
| | ASTM | | Brass Cloth Brass Frame | | | Stainless Cloth Brass Frame | | | Stainless Cloth Stainless Frame | | |
| | | | Full Ht. | Inter. Ht. | Half Ht. | Full Ht. | Inter. Ht. | Half Ht. | Full Ht. | Inter. Ht. | Half Ht. |
| COARSE S E R I E S | 4in | 100.0mm | — | — | — | V12CF 4" | V12CI 4" | V12CH 4" | V12SF 4" | V12SI 4" | V12SH 4" |
| | 3-1/2in | 90.0mm | — | — | — | V12CF 3-1/2" | V12CI 3-1/2" | V12CH 3-1/2" | V12SF 3-1/2" | V12SI 3-1/2" | V12SH 3-1/2" |
| | 3in | 75.0mm | — | — | — | V12CF 3" | V12CI 3" | V12CH 3" | V12SF 3" | V12SI 3" | V12SH 3" |
| | 2-1/2in | 63.0mm | — | — | — | V12CF 2-1/2" | V12CI 2-1/2" | V12CH 2-1/2" | V12SF 2-1/2" | V12SI 2-1/2" | V12SH 2-1/2" |
| | 2.12in | 53.0mm | — | — | — | V12CF 2.12" | V12CI 2.12" | V12CH 2.12" | V12SF 2.12" | V12SI 2.12" | V12SH 2.12" |
| | 2in | 50.0mm | — | — | — | V12CF 2" | V12CI 2" | V12CH 2" | V12SF 2" | V12SI 2" | V12SH 2" |
| | 1-3/4in | 45.0mm | — | — | — | V12CF 1-3/4" | V12CI 1-3/4" | V12CH 1-3/4" | V12SF 1-3/4" | V12SI 1-3/4" | V12SH 1-3/4" |
| | 1-1/2in | 37.5mm | — | — | — | V12CF 1-1/2" | V12CI 1-1/2" | V12CH 1-1/2" | V12SF 1-1/2" | V12SI 1-1/2" | V12SH 1-1/2" |
| | 1-1/4in | 31.5mm | — | — | — | V12CF 1-1/4" | V12CI 1-1/4" | V12CH 1-1/4" | V12SF 1-1/4" | V12SI 1-1/4" | V12SH 1-1/4" |
| | 1.06in | 26.5mm | — | — | — | V12CF 1.06" | V12CI 1.06" | V12CH 1.06" | V12SF 1.06" | V12SI 1.06" | V12SH 1.06" |
| | 1in | 25.0mm | — | — | — | V12CF 1" | V12CI 1" | V12CH 1" | V12SF 1" | V12SI 1" | V12SH 1" |
| | 7/8in | 22.4mm | — | — | — | V12CF 7/8" | V12CI 7/8" | V12CH 7/8" | V12SF 7/8" | V12SI 7/8" | V12SH 7/8" |
| | 3/4in | 19.0mm | — | — | — | V12CF 3/4" | V12CI 3/4" | V12CH 3/4" | V12SF 3/4" | V12SI 3/4" | V12SH 3/4" |
| | 5/8in | 16.0mm | — | — | — | V12CF 5/8" | V12CI 5/8" | V12CH 5/8" | V12SF 5/8" | V12SI 5/8" | V12SH 5/8" |
| | 0.530in | 13.2mm | — | — | — | V12CF .530" | V12CI .530" | V12CH .530" | V12SF .530" | V12SI .530" | V12SH .530" |
| | 1/2in | 12.5mm | — | — | — | V12CF 1/2" | V12CI 1/2" | V12CH 1/2" | V12SF 1/2" | V12SI 1/2" | V12SH 1/2" |
| | 7/16in | 11.2mm | — | — | — | V12CF 7/16" | V12CI 7/16" | V12CH 7/16" | V12SF 7/16" | V12SI 7/16" | V12SH 7/16" |
| | 3/8in | 9.5mm | — | — | — | V12CF 3/8" | V12CI 3/8" | V12CH 3/8" | V12SF 3/8" | V12SI 3/8" | V12SH 3/8" |
| | 5/16in | 8.0mm | — | — | — | V12CF 5/16" | V12CI 5/16" | V12CH 5/16" | V12SF 5/16" | V12SI 5/16" | V12SH 5/16" |
| | 0.265in | 6.7mm | — | — | — | V12CF .265" | V12CI .265" | V12CH .265" | V12SF .265" | V12SI .265" | V12SH .265" |
| | 1/4in | 6.3mm | — | — | — | V12CF 1/4" | V12CI 1/4" | V12CH 1/4" | V12SF 1/4" | V12SI 1/4" | V12SH 1/4" |
| | No.3-1/2 | 5.6mm | — | — | — | V12CF #3-1/2 | V12CI #3-1/2 | V12CH #3-1/2 | V12SF #3-1/2 | V12SI #3-1/2 | V12SH #3-1/2 |
| | No.4 | 4.75mm | — | — | — | V12CF #4 | V12CI #4 | V12CH #4 | V12SF #4 | V12SI #4 | V12SH #4 |
| FINE S E R I E S | No.5 | 4.0mm | — | — | — | V12CF #5 | V12CI #5 | V12CH #5 | V12SF #5 | V12SI #5 | V12SH #5 |
| | No.6 | 3.35mm | — | — | — | V12CF #6 | V12CI #6 | V12CH #6 | V12SF #6 | V12SI #6 | V12SH #6 |
| | 1/8in ¹ | 3.18mm | — | — | — | V12CF 1/8" | V12CI 1/8" | V12CH 1/8" | V12SF 1/8" | V12SI 1/8" | V12SH 1/8" |
| | No.7 | 2.8mm | — | — | — | V12CF #7 | V12CI #7 | V12CH #7 | V12SF #7 | V12SI #7 | V12SH #7 |
| | No.8 | 2.36mm | V12BF #8 | V12BI #8 | V12BH #8 | V12CF #8 | V12CI #8 | V12CH #8 | V12SF #8 | V12SI #8 | V12SH #8 |
| | No.10 | 2.0mm | V12BF #10 | V12BI #10 | V12BH #10 | V12CF #10 | V12CI #10 | V12CH #10 | V12SF #10 | V12SI #10 | V12SH #10 |
| | No.12 | 1.7mm | V12BF #12 | V12BI #12 | V12BH #12 | V12CF #12 | V12CI #12 | V12CH #12 | V12SF #12 | V12SI #12 | V12SH #12 |
| | No.14 | 1.4mm | V12BF #14 | V12BI #14 | V12BH #14 | V12CF #14 | V12CI #14 | V12CH #14 | V12SF #14 | V12SI #14 | V12SH #14 |
| | No.16 | 1.18mm | V12BF #16 | V12BI #16 | V12BH #16 | V12CF #16 | V12CI #16 | V12CH #16 | V12SF #16 | V12SI #16 | V12SH #16 |
| | No.18 | 1.0mm | V12BF #18 | V12BI #18 | V12BH #18 | V12CF #18 | V12CI #18 | V12CH #18 | V12SF #18 | V12SI #18 | V12SH #18 |
| | No.20 | 850µm | V12BF #20 | V12BI #20 | V12BH #20 | V12CF #20 | V12CI #20 | V12CH #20 | V12SF #20 | V12SI #20 | V12SH #20 |
| | No.25 | 710µm | V12BF #25 | V12BI #25 | V12BH #25 | V12CF #25 | V12CI #25 | V12CH #25 | V12SF #25 | V12SI #25 | V12SH #25 |
| | No.30 | 600µm | V12BF #30 | V12BI #30 | V12BH #30 | V12CF #30 | V12CI #30 | V12CH #30 | V12SF #30 | V12SI #30 | V12SH #30 |
| | No.35 | 500µm | V12BF #35 | V12BI #35 | V12BH #35 | V12CF #35 | V12CI #35 | V12CH #35 | V12SF #35 | V12SI #35 | V12SH #35 |
| | No.40 | 425µm | V12BF #40 | V12BI #40 | V12BH #40 | V12CF #40 | V12CI #40 | V12CH #40 | V12SF #40 | V12SI #40 | V12SH #40 |
| | No.45 | 355µm | V12BF #45 | V12BI #45 | V12BH #45 | V12CF #45 | V12CI #45 | V12CH #45 | V12SF #45 | V12SI #45 | V12SH #45 |
| | No.50 | 300µm | V12BF #50 | V12BI #50 | V12BH #50 | V12CF #50 | V12CI #50 | V12CH #50 | V12SF #50 | V12SI #50 | V12SH #50 |
| | No.60 | 250µm | V12BF #60 | V12BI #60 | V12BH #60 | V12CF #60 | V12CI #60 | V12CH #60 | V12SF #60 | V12SI #60 | V12SH #60 |
| | No.70 | 212µm | V12BF #70 | V12BI #70 | V12BH #70 | V12CF #70 | V12CI #70 | V12CH #70 | V12SF #70 | V12SI #70 | V12SH #70 |
| | No.80 | 180µm | V12BF #80 | V12BI #80 | V12BH #80 | V12CF #80 | V12CI #80 | V12CH #80 | V12SF #80 | V12SI #80 | V12SH #80 |
| | No.100 | 150µm | V12BF #100 | V12BI #100 | V12BH #100 | V12CF #100 | V12CI #100 | V12CH #100 | V12SF #100 | V12SI #100 | V12SH #100 |
| | No.120 | 125µm | V12BF #120 | V12BI #120 | V12BH #120 | V12CF #120 | V12CI #120 | V12CH #120 | V12SF #120 | V12SI #120 | V12SH #120 |
| | No.140 | 106µm | V12BF #140 | V12BI #140 | V12BH #140 | V12CF #140 | V12CI #140 | V12CH #140 | V12SF #140 | V12SI #140 | V12SH #140 |
| | No.170 | 90µm | V12BF #170 | V12BI #170 | V12BH #170 | V12CF #170 | V12CI #170 | V12CH #170 | V12SF #170 | V12SI #170 | V12SH #170 |
| | No.200 | 75µm | V12BF #200 | V12BI #200 | V12BH #200 | V12CF #200 | V12CI #200 | V12CH #200 | V12SF #200 | V12SI #200 | V12SH #200 |
| | No.230 | 63µm | V12BF #230 | V12BI #230 | V12BH #230 | V12CF #230 | V12CI #230 | V12CH #230 | V12SF #230 | V12SI #230 | V12SH #230 |
| | No.270 | 53µm | V12BF #270 | V12BI #270 | V12BH #270 | V12CF #270 | V12CI #270 | V12CH #270 | V12SF #270 | V12SI #270 | V12SH #270 |
| | No.325 | 45µm | V12BF #325 | V12BI #325 | V12BH #325 | V12CF #325 | V12CI #325 | V12CH #325 | V12SF #325 | V12SI #325 | V12SH #325 |
| | No.400 | 38µm | — | V12BI #400 | V12BH #400 | V12CF #400 | V12CI #400 | V12CH #400 | V12SF #400 | V12SI #400 | V12SH #400 |
| | No.450 | 32µm | — | — | — | V12CF #450 | V12CI #450 | V12CH #450 | V12SF #450 | V12SI #450 | V12SH #450 |
| | No.500 | 25µm | — | — | — | V12CF #500 | V12CI #500 | V12CH #500 | V12SF #500 | V12SI #500 | V12SH #500 |
| | No.635 | 20µm | — | — | — | V12CF #635 | V12CI #635 | V12CH #635 | V12SF #635 | V12SI #635 | V12SH #635 |
| | Regular Pan | | V12BFXPN | V12BIXPN | V12BHXPN | V12BFXPN | V12BIXPN | V12BHXPN | V12SFXPN | — | V12SHXPN |
| | Extended Rim Pan | | V12BFXPE | V12BIXPE | V12BHXPE | V12BFXPE | V12BIXPE | V12BHXPE | V12SFXPE | V12SIXPE | V12SHXPE |
| | Regular Cover | | V12BFXCV | | | V12BFXCV | | | V12SFXCV | | |
| | Cover with Ring | | V12BFXCR | | | V12BFXCR | | | V12SFXCR | | |

¹ Not a standard ASTM E 11 size.

9.5 ISO 200/300mm Test Sieves

| ISO 200/300MM TEST SIEVES | | | | | | | |
|--|--------------------|--------------------------------|-------------------------|------------------------------------|-------------------------|------------------------------------|-------------------------|
| | ISO 565, 3310-1 | 200mm | | | | 300mm | |
| | | Stainless Cloth Brass Frame | | Stainless Cloth Stainless 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 | 63.0mm | V200CF 63M | V200CH 63M | V200SF 63M | V200SH 63M | V300SF 63M | V300SH 63M |
| | 56.0mm | V200CF 56M | V200CH 56M | V200SF 56M | V200SH 56M | V300SF 56M | V300SH 56M |
| | 53.0mm | V200CF 53M | V200CH 53M | V200SF 53M | V200SH 53M | V300SF 53M | V300SH 53M |
| | 50.0mm | V200CF 50M | V200CH 50M | V200SF 50M | V200SH 50M | V300SF 50M | V300SH 50M |
| | 45.0mm | V200CF 45M | V200CH 45M | V200SF 45M | V200SH 45M | V300SF 45M | V300SH 45M |
| | 40.0mm | V200CF 40M | V200CH 40M | V200SF 40M | V200SH 40M | V300SF 40M | V300SH 40M |
| | 37.5mm | V200CF 37.5M | V200CH 37.5M | V200SF 37.5M | V200SH 37.5M | V300SF 37.5M | V300SH 37.5M |
| | 35.5mm | V200CF 35.5M | V200CH 35.5M | V200SF 35.5M | V200SH 35.5M | V300SF 35.5M | V300SH 35.5M |
| | 31.5mm | V200CF 31.5M | V200CH 31.5M | V200SF 31.5M | V200SH 31.5M | V300SF 31.5M | V300SH 31.5M |
| | 28.0mm | V200CF 28M | V200CH 28M | V200SF 28M | V200SH 28M | V300SF 28M | V300SH 28M |
| | 26.5mm | V200CF 26.5M | V200CH 26.5M | V200SF 26.5M | V200SH 26.5M | V300SF 26.5M | V300SH 26.5M |
| | 25.0mm | V200CF 25M | V200CH 25M | V200SF 25M | V200SH 25M | V300SF 25M | V300SH 25M |
| | 22.4mm | V200CF 22.4M | V200CH 22.4M | V200SF 22.4M | V200SH 22.4M | V300SF 22.4M | V300SH 22.4M |
| | 20.0mm | V200CF 20M | V200CH 20M | V200SF 20M | V200SH 20M | V300SF 20M | V300SH 20M |
| | 19.0mm | V200CF 19M | V200CH 19M | V200SF 19M | V200SH 19M | V300SF 19M | V300SH 19M |
| | 18.0mm | V200CF 18M | V200CH 18M | V200SF 18M | V200SH 18M | V300SF 18M | V300SH 18M |
| | 16.0mm | V200CF 16M | V200CH 16M | V200SF 16M | V200SH 16M | V300SF 16M | V300SH 16M |
| | 14.0mm | V200CF 14M | V200CH 14M | V200SF 14M | V200SH 14M | V300SF 14M | V300SH 14M |
| | 13.2mm | V200CF 13.2M | V200CH 13.2M | V200SF 13.2M | V200SH 13.2M | V300SF 13.2M | V300SH 13.2M |
| | 12.5mm | V200CF 12.5M | V200CH 12.5M | V200SF 12.5M | V200SH 12.5M | V300SF 12.5M | V300SH 12.5M |
| | 11.2mm | V200CF 11.2M | V200CH 11.2M | V200SF 11.2M | V200SH 11.2M | V300SF 11.2M | V300SH 11.2M |
| | 10.0mm | V200CF 10M | V200CH 10M | V200SF 10M | V200SH 10M | V300SF 10M | V300SH 10M |
| | 9.5mm | V200CF 9.5M | V200CH 9.5M | V200SF 9.5M | V200SH 9.5M | V300SF 9.5M | V300SH 9.5M |
| | 9.0mm | V200CF 9M | V200CH 9M | V200SF 9M | V200SH 9M | V300SF 9M | V300SH 9M |
| | 8.0mm | V200CF 8M | V200CH 8M | V200SF 8M | V200SH 8M | V300SF 8M | V300SH 8M |
| | 7.1mm | V200CF 7.1M | V200CH 7.1M | V200SF 7.1M | V200SH 7.1M | V300SF 7.1M | V300SH 7.1M |
| | 6.7mm | V200CF 6.7M | V200CH 6.7M | V200SF 6.7M | V200SH 6.7M | V300SF 6.7M | V300SH 6.7M |
| | 6.3mm | V200CF 6.3M | V200CH 6.3M | V200SF 6.3M | V200SH 6.3M | V300SF 6.3M | V300SH 6.3M |
| | 5.6mm | V200CF 5.6M | V200CH 5.6M | V200SF 5.6M | V200SH 5.6M | V300SF 5.6M | V300SH 5.6M |
| | 5.0mm | V200CF 5M | V200CH 5M | V200SF 5M | V200SH 5M | V300SF 5M | V300SH 5M |
| | 4.75mm | V200CF 4.75M | V200CH 4.75M | V200SF 4.75M | V200SH 4.75M | V300SF 4.75M | V300SH 4.75M |
| | 4.5mm | V200CF 4.5M | V200CH 4.5M | V200SF 4.5M | V200SH 4.5M | V300SF 4.5M | V300SH 4.5M |
| F I N E S E R I E S | 4.00mm | V200CF 4M | V200CH 4M | V200SF 4M | V200SH 4M | V300SF 4M | V300SH 4M |
| | 3.55mm | V200CF 3.55M | V200CH 3.55M | V200SF 3.55M | V200SH 3.55M | V300SF 3.55M | V300SH 3.55M |
| | 3.35mm | V200CF 3.35M | V200CH 3.35M | V200SF 3.35M | V200SH 3.35M | V300SF 3.35M | V300SH 3.35M |
| | 3.15mm | V200CF 3.15M | V200CH 3.15M | V200SF 3.15M | V200SH 3.15M | V300SF 3.15M | V300SH 3.15M |
| | 2.80mm | V200CF 2.8M | V200CH 2.8M | V200SF 2.8M | V200SH 2.8M | V300SF 2.8M | V300SH 2.8M |
| | 2.50mm | V200CF 2.5M | V200CH 2.5M | V200SF 2.5M | V200SH 2.5M | V300SF 2.5M | V300SH 2.5M |
| | 2.36mm | V200CF 2.36M | V200CH 2.36M | V200SF 2.36M | V200SH 2.36M | V300SF 2.36M | V300SH 2.36M |
| | 2.24mm | V200CF 2.24M | V200CH 2.24M | V200SF 2.24M | V200SH 2.24M | V300SF 2.24M | V300SH 2.24M |
| | 2.00mm | V200CF 2M | V200CH 2M | V200SF 2M | V200SH 2M | V300SF 2M | V300SH 2M |
| | 1.80mm | V200CF 1.8M | V200CH 1.8M | V200SF 1.8M | V200SH 1.8M | V300SF 1.8M | V300SH 1.8M |
| | 1.70mm | V200CF 1.7M | V200CH 1.7M | V200SF 1.7M | V200SH 1.7M | V300SF 1.7M | V300SH 1.7M |
| | 1.60mm | V200CF 1.6M | V200CH 1.6M | V200SF 1.6M | V200SH 1.6M | V300SF 1.6M | V300SH 1.6M |
| | 1.40mm | V200CF 1.4M | V200CH 1.4M | V200SF 1.4M | V200SH 1.4M | V300SF 1.4M | V300SH 1.4M |
| | 1.25mm | V200CF 1.25M | V200CH 1.25M | V200SF 1.25M | V200SH 1.25M | V300SF 1.25M | V300SH 1.25M |
| | 1.18mm | V200CF 1.18M | V200CH 1.18M | V200SF 1.18M | V200SH 1.18M | V300SF 1.18M | V300SH 1.18M |
| | 1.12mm | V200CF 1.12M | V200CH 1.12M | V200SF 1.12M | V200SH 1.12M | V300SF 1.12M | V300SH 1.12M |
| | 1.00mm | V200CF 1M | V200CH 1M | V200SF 1M | V200SH 1M | V300SF 1M | V300SH 1M |
| | 900µm | V200CF 900U | V200CH 900U | V200SF 900U | V200SH 900U | V300SF 900U | V300SH 900U |
| | 850µm | V200CF 850U | V200CH 850U | V200SF 850U | V200SH 850U | V300SF 850U | V300SH 850U |
| | 800µm | V200CF 800U | V200CH 800U | V200SF 800U | V200SH 800U | V300SF 800U | V300SH 800U |
| | 710µm | V200CF 710U | V200CH 710U | V200SF 710U | V200SH 710U | V300SF 710U | V300SH 710U |
| | 630µm | V200CF 630U | V200CH 630U | V200SF 630U | V200SH 630U | V300SF 630U | V300SH 630U |
| | 600µm | V200CF 600U | V200CH 600U | V200SF 600U | V200SH 600U | V300SF 600U | V300SH 600U |
| | 560µm | V200CF 560U | V200CH 560U | V200SF 560U | V200SH 560U | V300SF 560U | V300SH 560U |
| | 500µm | V200CF 500U | V200CH 500U | V200SF 500U | V200SH 500U | V300SF 500U | V300SH 500U |
| | 450µm | V200CF 450U | V200CH 450U | V200SF 450U | V200SH 450U | V300SF 450U | V300SH 450U |
| | 425µm | V200CF 425U | V200CH 425U | V200SF 425U | V200SH 425U | V300SF 425U | V300SH 425U |
| | 400µm | V200CF 400U | V200CH 400U | V200SF 400U | V200SH 400U | V300SF 400U | V300SH 400U |
| | 355µm | V200CF 355U | V200CH 355U | V200SF 355U | V200SH 355U | V300SF 355U | V300SH 355U |
| | 315µm | V200CF 315U | V200CH 315U | V200SF 315U | V200SH 315U | V300SF 315U | V300SH 315U |
| | 300µm | V200CF 300U | V200CH 300U | V200SF 300U | V200SH 300U | V300SF 300U | V300SH 300U |
| | 280µm | V200CF 280U | V200CH 280U | V200SF 280U | V200SH 280U | V300SF 280U | V300SH 280U |
| | 250µm | V200CF 250U | V200CH 250U | V200SF 250U | V200SH 250U | V300SF 250U | V300SH 250U |
| | 224µm | V200CF 224U | V200CH 224U | V200SF 224U | V200SH 224U | V300SF 224U | V300SH 224U |
| | 212µm | V200CF 212U | V200CH 212U | V200SF 212U | V200SH 212U | V300SF 212U | V300SH 212U |
| | 200µm | V200CF 200U | V200CH 200U | V200SF 200U | V200SH 200U | V300SF 200U | V300SH 200U |
| | 180µm | V200CF 180U | V200CH 180U | V200SF 180U | V200SH 180U | V300SF 180U | V300SH 180U |
| | 160µm | V200CF 160U | V200CH 160U | V200SF 160U | V200SH 160U | V300SF 160U | V300SH 160U |
| | 150µm | V200CF 150U | V200CH 150U | V200SF 150U | V200SH 150U | V300SF 150U | V300SH 150U |
| | 140µm | V200CF 140U | V200CH 140U | V200SF 140U | V200SH 140U | V300SF 140U | V300SH 140U |
| | 125µm | V200CF 125U | V200CH 125U | V200SF 125U | V200SH 125U | V300SF 125U | V300SH 125U |
| | 112µm | V200CF 112U | V200CH 112U | V200SF 112U | V200SH 112U | V300SF 112U | V300SH 112U |
| | 106µm | V200CF 106U | V200CH 106U | V200SF 106U | V200SH 106U | V300SF 106U | V300SH 106U |
| | 100µm | V200CF 100U | V200CH 100U | V200SF 100U | V200SH 100U | V300SF 100U | V300SH 100U |
| | 90µm | V200CF 90U | V200CH 90U | V200SF 90U | V200SH 90U | V300SF 90U | V300SH 90U |
| | 80µm | V200CF 80U | V200CH 80U | V200SF 80U | V200SH 80U | V300SF 80U | V300SH 80U |
| | 75µm | V200CF 75U | V200CH 75U | V200SF 75U | V200SH 75U | V300SF 75U | V300SH 75U |
| | 71µm | V200CF 71U | V200CH 71U | V200SF 71U | V200SH 71U | V300SF 71U | V300SH 71U |
| | 63µm | V200CF 63U | V200CH 63U | V200SF 63U | V200SH 63U | V300SF 63U | V300SH 63U |
| | 56µm | V200CF 56U | V200CH 56U | V200SF 56U | V200SH 56U | V300SF 56U | V300SH 56U |
| | 53µm | V200CF 53U | V200CH 53U | V200SF 53U | V200SH 53U | V300SF 53U | V300SH 53U |
| | 50µm | V200CF 50U | V200CH 50U | V200SF 50U | V200SH 50U | V300SF 50U | V300SH 50U |
| | 45µm | V200CF 45U | V200CH 45U | V200SF 45U | V200SH 45U | V300SF 45U | V300SH 45U |
| | 40µm | V200CF 40U | V200CH 40U | V200SF 40U | V200SH 40U | V300SF 40U | V300SH 40U |
| | 38µm | V200CF 38U | V200CH 38U | V200SF 38U | V200SH 38U | V300SF 38U | V300SH 38U |
| | 36µm | V200CF 36U | V200CH 36U | V200SF 36U | V200SH 36U | V300SF 36U | V300SH 36U |
| | 32µm | V200CF 32U | V200CH 32U | V200SF 32U | V200SH 32U | V300SF 32U | V300SH 32U |
| | 25µm | V200CF 25U | V200CH 25U | V200SF 25U | V200SH 25U | V300SF 25U | V300SH 25U |
| | 20µm | V200CF 20U | V200CH 20U | V200SF 20U | V200SH 20U | V300SF 20U | V300SH 20U |
| | Pan Cover | V200BF XPN V200B XCV | V200BH XPN V200B XCV | V200SF XPN V200S XCV | V200SH XPN V200S XCV | V300SF XPN V300S XCV | V300SH XPN V300S XCV |



ISO Test Sieves

TECH NOTE!

- ISO Test Sieves are available with opening sizes up to 125mm (5in). Please inquire for openings larger than 63mm.
- ISO Test Sieves are fitted with black rubber O-Rings.
- Details for Sieve Verification Services can be found in a separate listing within this section.
- ISO Sieves with 200mm or 300mm frames do not stack with ASTM 8in (203mm) or 12in (305mm) sieves.
- ISO Sieve Cloth can be custom mounted in 8in (203mm) frames. These items are non-returnable when supplied as ordered.

9.6 Accessories

| ACCESSORIES | |
|--|--|
| Description | Model |
| <p>Clean-N-Stor accessories are handy, time-saving devices for emptying, cleaning and weighing functions associated with sieving operations. Inverting an 8in or 200mm sieve on the stainless steel funnel allows quick emptying and cleaning of contents into a receiving scoop or pan. A sieve stack can also be stored on top of the funnel. A scoop and soft-bristle cleaning brush are included with all models. The SSA-801 attaches to the top of the SS-8R case. SSA-802 is a stand-alone model that can be positioned directly over an electronic balance, so sieve fractions can be weighed as the sieve is being cleaned. OBA-15R is an adjustable-height Clean-N-Stor version designed to fit over taller balances.</p> <p>Clean-N-Stor Attachment for SS-8R Stand-Alone Clean-N-Stor Adjustable-Height Clean-N-Stor</p> | <p>SSA-801 SSA-802 OBA-15R</p> |
| <p>Sieve Storage Racks</p> <p>The SSA-820 Wall-Mount Sieve Rack is designed for wall-mounted storage of 8in (203mm) diameter sieves. Sieves are held on edge in eleven individual 3in (76mm) wide compartments, each holding one full-height or two half-height sieves. Compartment bottoms are neoprene lined and inclined to keep sieves in place. Construction is all stainless steel. Holes are provided for mounting on 16in (406mm) centers and for bolting racks together vertically and/or horizontally. Rack construction is all stainless steel with rubber feet for optional desk or counter top use. The bottom front flange has a 1-1/4in (32mm) high area to label slots for sieve sizes. Overall Assembled Dimensions: 34-1/4x9x11in (870x229x279mm), WxDxH. Est. Ship Wt.: 26lb (12kg). The SSA-822 Adjustable Wall-Mount Sieve Rack for 12in (305mm) diameter sieves is similar in design to SSA-820, but has slots every 1/2in (13mm) for variable placement of the eight supplied dividers. Capacity is eight full-height or fourteen half-height sieves. Additional dividers are available in sets of five as SSA-823. Overall Assembled Dimensions: 36-1/4x13x15-3/4in (921x330x400mm), WxDxH. Sieve Rack Units are shipped with instructions for simple user assembly. Est. Ship Wt.: 40lb (18kg). The SSA-803 Adjustable Bench Sieve Rack holds all diameters of sieves up to 12in (305mm). This rack eliminates clutter and inconvenience of nested storage and facilitates easy retrieval of sieves for speed and efficiency in the lab. Stainless steel rack has non-skid rubber feet, and is supplied with two permanent and two adjustable rubber-coated sieve support rods. Unit accommodates twenty full-height (forty half-height) 8in sieves, twelve full-height (twenty four half-height) 12in sieves, or forty full-height 3in sieves. Sizes may also be mixed, and be as small as 3in diameter. Optional SSA-804 Support Rod Set contains two rubber-covered rods, and may be used to increase the capacity for 3in full-height sieves to eighty. Dimensions: 26x13x13in (660x330x330mm), WxDxH. Est. Ship Wt.: 8lb (4kg).</p> <p>Wall-Mount Sieve Rack Adjustable Wall-Mount Sieve Rack Adjustable Bench Sieve Rack</p> | <p>SSA-820 SSA-822 SSA-803</p> |
| <p>Small Fine Sieve Cleaning Brush has soft, 100% China bristles in round 3/4in (19mm) ferrule that are tapered for use with fine mesh sieves. Especially handy for 3in diameter or Precision Electroformed sieves and others of small diameter. Overall length is 5in (127mm) with wood handle.</p> | TSA-168 |
| <p>Fine Sieve Cleaning Brush is ideal for cleaning No.16 and finer sieves. Soft bristle, nicked steel ferrule, lacquered wood handle, 1-1/4in diameter and 5-3/4in long.</p> | TSA-170 |
| <p>Coarse Sieve Cleaning Brush has an 8-1/2in curved plastic handle with 1-1/2in x 1-3/4in of slanted brass wire bristles—perfect for No.30 and coarser wire cloth in round sieves.</p> | TSA-172 |



SSA-802 shown with Sieve



TSA-168



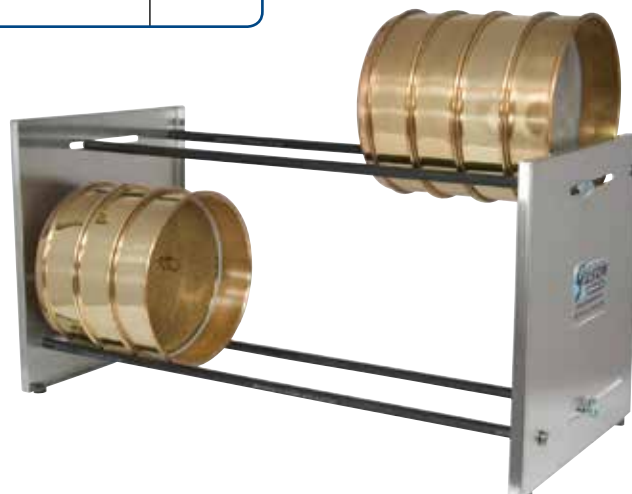
TSA-170



TSA-172



SSA-820 shown with Sieves



SSA-803 shown with 8in full-height Sieves