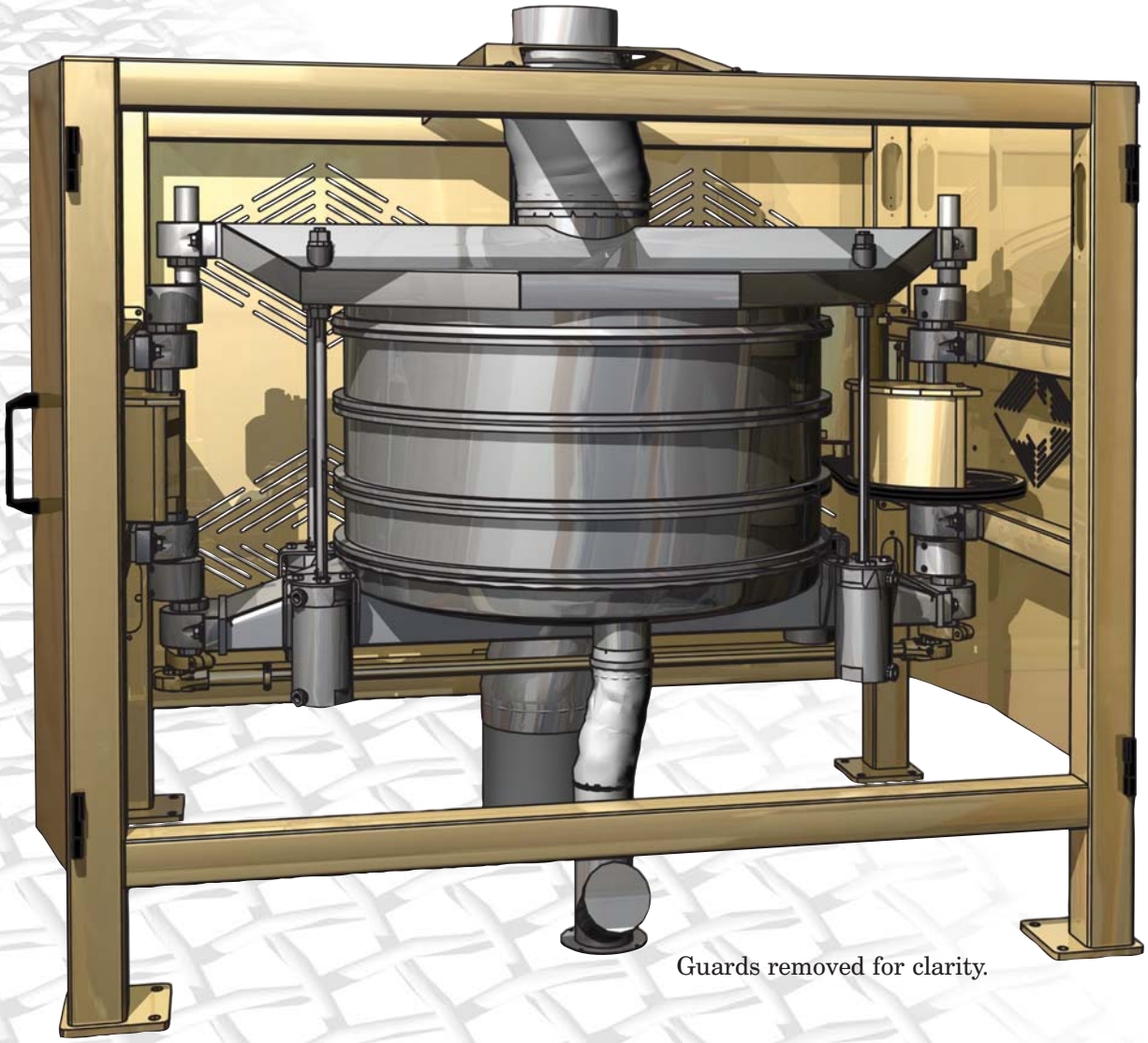
QA Series Gravity Flow Sifters



Guards removed for clarity.

The ultimate in reliable performance, capacity, versatility and sanitation for your sifting or screening operations.

Great Western Manufacturing

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Product Protection & Production Sifters Since 1858

Feature Overview

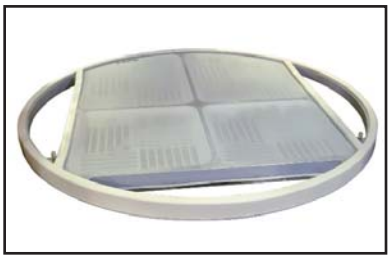
- Gyratory motion: gentle and accurate
- Compact floor area
- Wide range of capacities. Multiple models use from 3 to 9 sieves.
- Accurate separation and sizing of a single product stream into two or more particle sizes.
- Screen area matched to application.
- Adaptable to a wide range of products, capacities, number of separations, and screen sizes.
- Easy opening and positive sieve clamping provided by reliable pneumatic sieve compression system.
- Reliable Tru-Balance drive mechanism that results in less stress on the sieve frames and less motion between the sieve frames.
- Easily customized to suit your installation requirements.
- Every unit test run and balanced prior to shipping.
- Easy installation.

Construction

- 304 stainless steel sieve frames with laser cut internal components ensure precision fit. 316 stainless steel optional.
- Glass bead blasted finish
- Sieve fabrication designed to minimize welding. No bolted or riveted joints. Easily removed insert tray Interior of sieve is completely accessible for cleaning.
- Each screen tray assembly includes screen cleaner support backwire. Screen cleaners gently bounce on the support to keep the screen apertures open as compared to other screeners that use beaters or paddles that result in product abrasion fracturing fragile ingredients and causing excessive screen stress
- Standard drive frame and guards fabricated from mild steel with powder coated finish. Stainless steel drive components are optional.
- Low power requirements

Sieve

- Sanitary construction with welded sieve frames. No rivets, nuts, bolts, or crevices.



Tray

- Screens mechanically stretched and bonded to trays for sanitary attachment and superior screen tensions. Frames can be re-screened indefinitely.

Gaskets

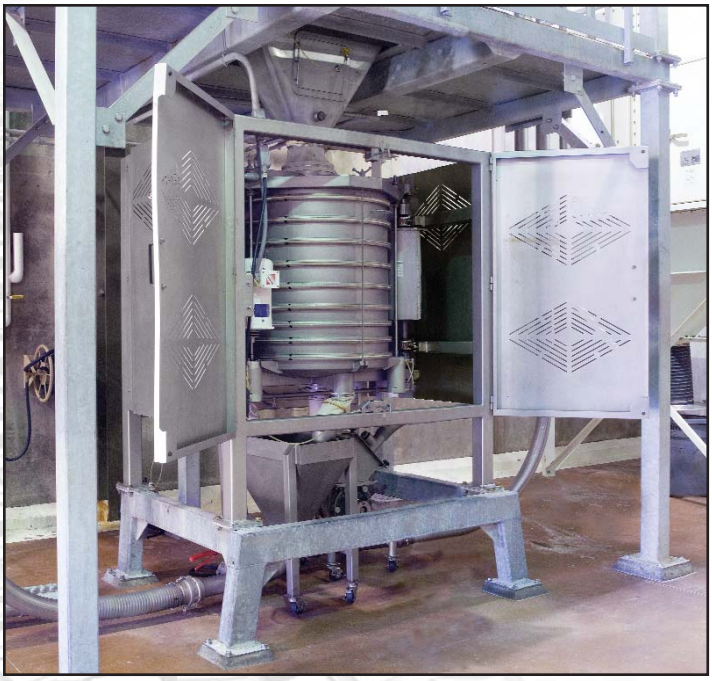
- Snap-on neoprene gaskets for sieve to sieve seals. No adhesives required for gasket attachment.

Our pneumatic sieve compression and modular interlocking frame simplifies your sanitation and maintenance.

- Sifter can be opened, sieves completely removed and maintained, and reassembled in minutes... without special tools. Downtime is minimized.
- Pneumatic sieve clamping system allows fast disassembly. The sieves and screen trays simply interlock with one another.
- Using pneumatics the upper drive frame is raised to open the sifter or lowered to compress and seal the sieve stack. The pneumatics maintains constant compression while the machine is in operation.
- Our drive and frame carriers are engineered to minimize gasket wear and eliminate leaks. The Tru-Balance drive transfers the gyratory motion to both the top and bottom drive carriers simultaneously. In turn, the carriers equally impart the sifting motion to both the top and bottom of the sieve stack. The inertial "top heavy" lag, common to sifters with drive mechanisms positioned below the sieve frame stack, is avoided.
- Stainless steel sieve and product contact zone construction allows cleaning to be accomplished with dry brushing, air cleaning, water wash down or steam cleaning.
- Dust tight gasketed construction. No suction requirements.
- Sieves remove completely. Smooth crack and crevice free bottom dome with easy access to outlet transitions for thorough cleaning.
- Upper and lower drive carriers remain attached to the drive mechanism.

- Proven, reliable Tru-Balance drive mechanism provides the gentle, gyratory sifting motion for which our sifters are known.

- The pneumatic sieve compression system speeds access for inspection and maintenance.



Our gentle horizontal gyratory motion reduces product degradation

- Horizontal gyratory motion is superior to designs using vibratory or centrifugal action.
- Vibratory designs bounce materials vertically shortening the time they are in contact with the screen and reducing efficiency. Elongated oversized particles can pass through the screen impairing separation quality.
- Our gentle gyratory sifting action is less severe than centrifugal sifters. Separation of near sized particles is more precise and the risk of fracturing oversize impurities and forcing them through the screen is diminished.

Our stacked screen construction offers many advantages over single deck screening equipment.

- Vertically nested series of frames conserves valuable plant floor space while offering maximum grading flexibility.
- Multiple screen frames allows the sifting surface of each specific mesh to be proportioned for highly efficient grading of materials.
- Smaller frames and screens are easier to handle, change and store
- Smaller screens are less likely to sag and form pockets that collect material.
- Our Tru-Balance counter weighted drive neutralizes frame and mounting vibration allowing the unit to be attached to the floor or ceiling with minimal footings or supports.

Who Are We?

Great Western Mfg. Co., Inc., designs and manufactures custom industrial processing machinery. Our line of sifters, the Company's primary product, are used for scalping, grading and fines removal from dry, free-flowing powders and granular materials. We serve the cereal grain processors, mix plants, bakeries and snack food producers, spice processors, and the pet food, chemicals and plastics, and mineral industries.

Design Engineering - Each of our sifters is engineered for the customer's specific application. Many options are available that allow the sifters to be customized to meet their specific need.

Test Lab - We maintain a complete testing laboratory to evaluate product samples and make equipment recommendations. There is no charge or obligation for this service. Contact Great Western to discuss testing requirements.

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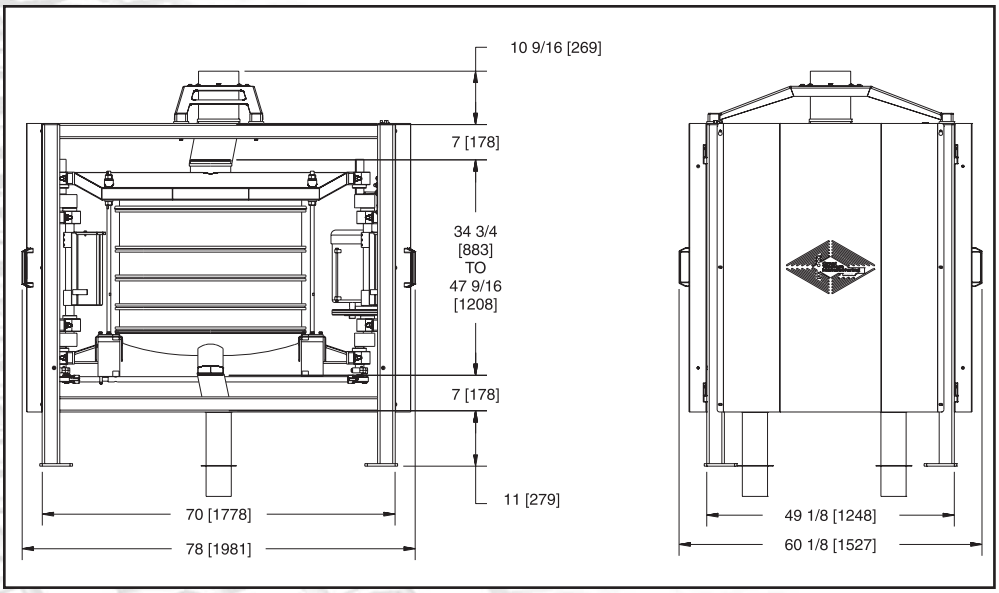
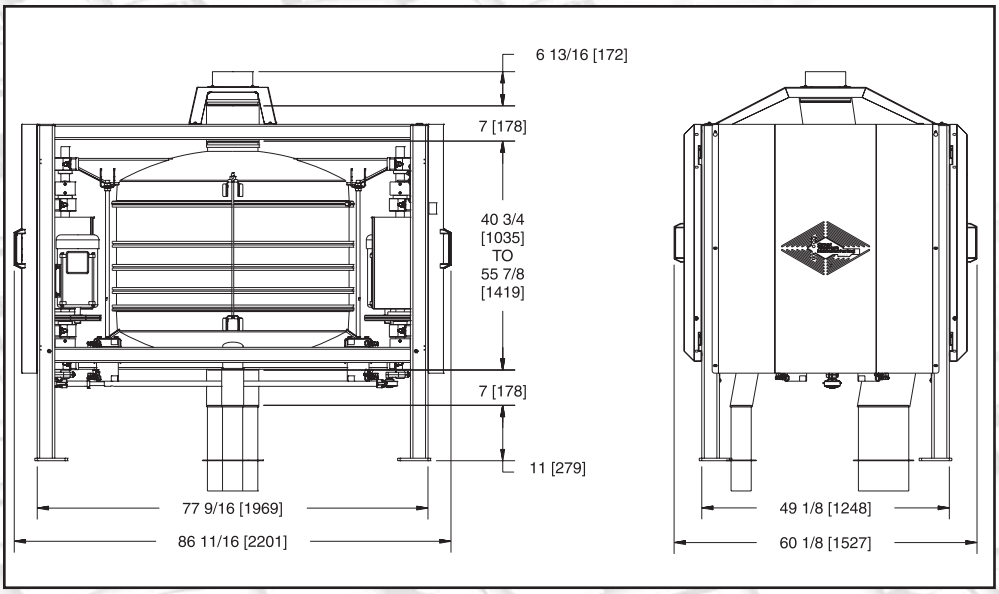
QA Series Gravity Flow Sifter Dimensions



QA36

- Nominal Ø36" (Ø914 mm)
- Net screen area 5 ft²/sieve (0.46 m²/sieve)
- Models with 3 to 9 sieves
- Net sieving area from 15 to 45 ft² (1.39 to 4.18 m²)
- One - 1½ HP (1.1 kw) motor with V-belt drive
- Drive guards
- Inlet support bracket and floor stubs are optional
- Tailings canister is optional



QA46

- Nominal Ø46" (Ø1168 mm)
- Net screen area 8.9 ft²/sieve (0.83 m²/sieve)
- Models with 4 to 9 sieves
- Net sieving area from 32 to 80 ft² (3.31 to 7.44 m²)
- Two - 1½ HP (1.1 kw) motors with V-belt drives
- Drive guards
- Inlet support bracket and floor stubs are optional
- Tailings canister is optional

Typical arrangements illustrated. Custom arrangements are also available.
Dimensions shown in inches (millimeters) are indicative and subject to change without notice.
Contact Great Western for detailed installation drawings.

Great Western Manufacturing

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