



Process Expo/PACK EXPO Int'l 2007

Show Portraits

Special Advertising Section

Midwestern Industries, Inc.

Midwestern Industries has been a leader in the screening industry for over 50 years. As a designer and manufacturer of screening and sizing equipment, circular and rectangular vibrating machines, as well as replacement screens and parts, we believe in servicing all your screening needs.

Separators:

Midwestern's separators are easily adaptable into many screening processes. We can manufacture your unit to 3A specifications. Our free test facility can help you determine the right machine for your specific application.



Replacement Screens:

We customize each replacement screen to meet your exact standards. Midwestern offers a variety of mounting options including welded, epoxy mounted, or epoxy-weld mount. In addition to the circular screens, Midwestern also makes rectangular panels and cloth-edged screens.



Portable Screeners:

Midwestern offers our customers cost-effective, versatile, "go-anywhere" screening units that provide vibrating action electrical connections are available. Available in either carbon or stainless steel, these units will fit right into a laboratory or smaller productions.



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Miura Boiler



Miura Boiler's LX Gas/Low NOx (less than 20 ppm at 3% O2) series of high or low pressure steam boilers use as much as 19% less fuel than Firetube Boilers because their in-service efficiency is maximized by:

- Computerized vertical water tube design.
- Compact pressure vessel that minimizes heat loss.
- Five minute steam production from cold start.

Miura's pre-mix method of NOx control combines gas and air in a manifold. The gases are burned through a flat burner that has many perforations. This reduces flame temperature which reduces NOx under 20 ppm, and on some models, less than 12 ppm.



Miura's LX model has published results that show a value of 85.7% efficiency. The compact boilers' forced flow, vertical-tube pressure vessel design is more efficient, requires less heating surface, achieves higher efficiency and is less than half the size of firetube and other conventional boilers.

A reduction in water volume was accomplished by reducing the size of the upper and lower headers, eliminating water from the upper header and partially eliminating water from the tubes by having a two phase mixture of steam and water in the tubes. This design incorporates a floating header which all but eliminates thermal shock. The result is a small, compact boiler which can be turned on and off quickly and efficiently. This reduces original water usage by 95%.



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