



SQ SERIES DRYERS

SUPERB

ENERGY MISER®



SM

SUPERB

ENERGY MISER®

SQ

CHOICE OF DRYING MODES

Full Heat Continuous Flow Dryers

*Full Heat Continuous Flow Dryers
Using Two Temperature Zones*



Continuous Flow Dryers with Louvers

*Continuous Flow Dryers with Louvers
and Hot Air Return Duct*

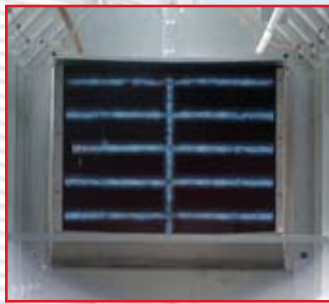


SQ SERIES GRAIN DRYERS – FEATURES FOR MEETING YOUR



Stainless Steel Outer Skins

Stainless steel outer 18-gauge perforated skins are standard on all SUPERB ENERGY MISER® SQ Series Dryers for a lifetime of satisfaction. With proper care and maintenance, stainless steel perforated skins offer long life and high asset retention value.



Efficient Full Flame-Wall Burner

Brock's full flame-wall burner with stainless steel baffles provides a generous square footage of flame surface and distributes heat evenly to all the grain columns. Using a shorter flame, this fuel-efficient Brock burner burns cleanly and provides uniform plenum temperatures to help maintain top grain quality.



Unobstructed Heat Movement

The SQ Series Dryer's unique built-in vaporizer is located out of the burner's airflow to ensure uniform heat distribution.

Moisture Equalizers

Patented Brock MOISTURE EQUALIZER® System maintains grain quality by moving the hottest and driest grain through the dryer faster for greater drying uniformity and less over-drying.



Vertical Access Plenum Door

A 42- x 22-inch (107- x 56-cm) vertical access door is provided for easy access to the dryer's plenum areas. A door safety switch is standard on all SUPERB ENERGY MISER Low-Profile Dryers. If the door is opened during operation, the dryer will shut down.

Perforated Wet Garner Bin

The drying process starts in the perforated wet garner bin. Heated air is routed from the dryer through this temporary grain holding area to pre-heat and begin drying the wet grain.



ON-FARM GRAIN DRYING NEEDS



Variable Width Grain Column

A narrower upper grain column allows moisture-saturated drying air to escape. This variable width design dries more effectively than a larger

holding capacity with a wider grain column.



Easy Access for Service

Access entrances at both the top and bottom of the dryer make it easy to service industrial-grade plumbing, burner, fan, motor, bearings, belts, linear limits, and the front of the unloading system.



Super Quiet Drying

The SQ Series Dryers use a super quiet double-width, double-inlet centrifugal blower as standard equipment. This blower provides maximum airflow and efficiency while minimizing sound levels.



Upper Service Access Area



Lower Service Access Area

Cool Air Control

Adjustable cooling louvers help control grain temperature by regulating the amount of cool air used for vacuum-cooling mode.



EVENFLO® UNLOADING SYSTEM

Unique EVENFLO® Unloading System Is Part of Brock's Difference by Design

- Gentle handling of the grain using the EVENFLO® System's efficient, slow-moving drag-style conveyor.
- Patented conveyor unloading system replaces auger and metering rolls.
- Even unloading of grain columns with improved ability to pass most debris.
- More durable and safer to operate than auger systems.



Take-up adjustments are located at both ends of the conveyor. This feature helps you to easily adjust the chain if needed.



How Does the Brock EVENFLO® Dryer Unloading System Work?



- The top portion of the chain conveyor passes by the column of dried grain, continuously removing grain from the column.
- Grain is then carried to square holes allowing the grain to fall through to the bottom trough.
- Paddles on the conveyor move the dried grain to the dryer discharge.

The EVENFLO® System's uniform unloading of grain dryer columns provides consistent drying results. Slow, straight-line movement of grain is also ideal for sensor accuracy in monitoring exit moisture content.



Clean up between crops or at the end of the drying season is easy:

- The top of the conveyor assembly can be taken out of the dryer for safer, easier cleaning.
- No meter rolls to clean.

Low horsepower, variable-speed AC motor is used to economically power the EVENFLO System.



ADVANCED ELECTRONIC GRAIN DRYING CONTROLS

QUANTUM® Controller A Proven Record Of Reliability



Brock's advanced QUANTUM® Dryer Controller provides accuracy in controlling moisture during the grain drying process. For full heat drying, the controller includes a patented "moving moisture target" feature. This unique feature anticipates the final moisture of the grain reaching the bin and manages that grain's moisture content as it moves through the dryer. The controller does this by monitoring moisture level fluctuations in the incoming and outgoing grain as well as by sensing temperature changes in exiting grain.

The popular QUANTUM Controller is able to regulate the discharge speed of the grain to match the capacity of the unloading system. To prevent over-drying grain, the controller can automatically reduce the plenum heat if the unloading rate limit is exceeded.

SPECTRUM® Controller

The SPECTRUM® Dryer Controller is a temperature-based controller and comes as the standard dryer controller. It is mounted in a lighted, industrial-grade control panel that is weather- and dust-proof and has dual doors.



The SPECTRUM® Controller is also easily upgradable to convert it to the more full-featured QUANTUM® Dryer Controller.

Brock's Solutions For On-Farm Grain Storage, Handling, Conditioning & Drying



Grain Storage Bins



HARVEST-TIME® Unloading System



TRI-CORR® Drying Floor System



Bin Aeration Fans



Brock Grain Systems

A Division of CTB, Inc.
Frankfort, IN • Milford, IN • Kansas City, MO
Phone: 800.541.7900
Internet: www.graindryers.com
E-mail: dryers@graindryers.com