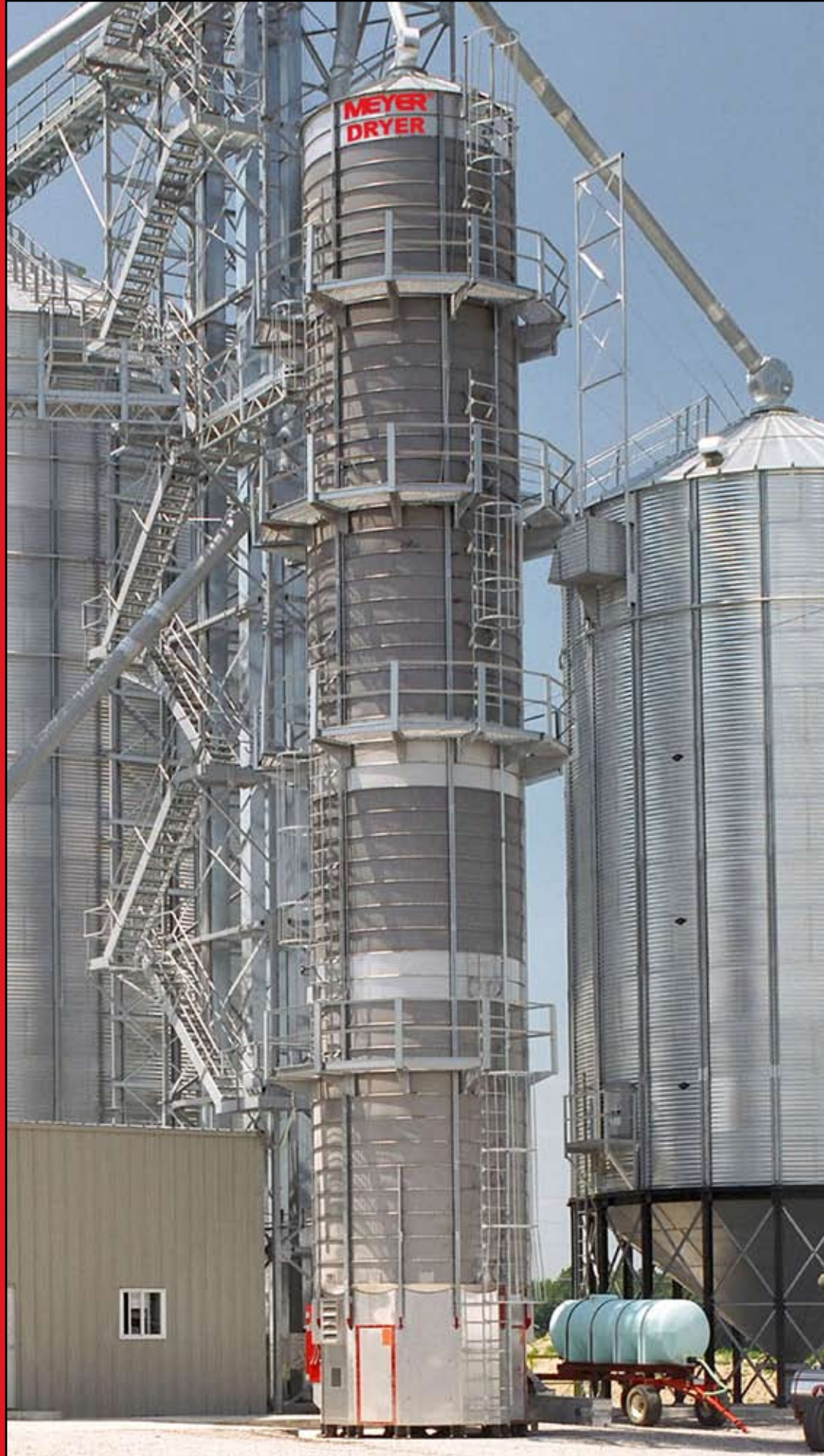




TOWER DRYERS UP TO 52 mt/hr



**Proven, Fuel Efficient Technology
 For Continuous Flow Grain Drying**

For continuous flow grain drying, Brock's MEYER ENERGY MISER® Tower Grain Dryer provides proven, fuel-efficient technology you can count on for drying duties. This Brock dryer offers capacities ranging from 13 to 52 metric tons per hour with five points of moisture removal.

Brock's line of tower dryers also provides the advantage of being able to use height as an option for adding drying capacity without increasing the size of your dryer's ground footprint in your facility.

Multi-Mode Drying

All MEYER ENERGY MISER Tower Grain Dryers utilize multi-mode drying. Producers can choose:

- Full heat drying for maximum capacity through the dryer.
- Pressure heat with suction cooling for maximum efficiency and capacity (saves up to 25% in fuel costs).
- Pressure heat with pressure cooling for some crops like sunflowers and milo where heat recycling is not desired.

These Brock dryers can handle:

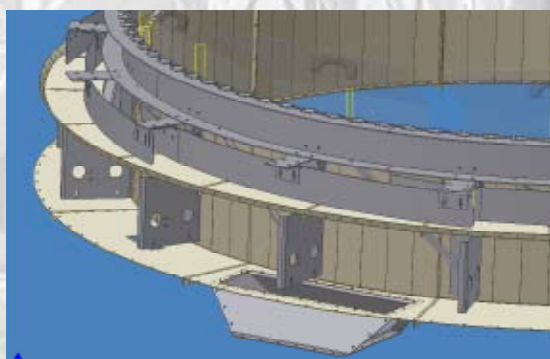
- Standard grains.
- Sensitive grains.
- Volatile grains.
- Small grains (with the use of optional 1.98-mm perforation screens).

Few dryers can handle the wide variety of grains like Brock's MEYER ENERGY MISER Dryers without having to make time-consuming physical modifications.



Self-Cleaning Operation

Brock's unique, self-cleaning plenum floor design allows particulate matter to recycle back into the grain safely while also reducing routine cleaning maintenance.



Gentle Grain Unloading System

Brock's innovative and gentle Circular Drag Grain Unloading System (patented) evenly meters grain from the grain columns and gently delivers it to the unloading point at the perimeter of the dryer. The speed of the unloading system is automatically adjusted to allow for moisture variations in the incoming wet grain.



Advanced Dryer Controller

Brock's advanced QUANTUM® Dryer Controller comes standard and is easy to use for total dryer management.

Features Include:

Wet Grain Garner Bin

Incoming grain is buffered for even distribution to the drying columns.

Narrower Columns at the Top

Narrower width grain columns used at the top of the dryer increase air flow on the wettest grain to start the drying process sooner.

Stainless Steel Screens

Wall screens are standard 2.38-mm perforation stainless steel outside and 1.98-mm perforation galvanized steel inside. Optional 1.98-mm perforation stainless steel outside screens are available to confine particulates for cleaner dryer operations.

Access Platforms

Access platforms with safety handrails extend around the tower dryer.

Double-Inlet Centrifugal Fans

Industrial-grade, double-wide/double-inlet (DWDI) centrifugal wheels quietly deliver more air while using less horsepower. Fan unit is accessible from ground level for easy maintenance.

Full Flame-Wall Burner

Brock's "full flame-wall" burner provides a generous flame surface and distributes heat evenly to the drying air. This fuel-efficient burner provides uniform plenum temperatures to help maintain top grain quality.

Unobstructed Grain Columns

Grain entering Brock's MEYER ENERGY MISER Tower Dryer has an unobstructed gravity flow to the bottom of the tower. Fresh air along with electrical conduits and gas piping enter at the bottom of the dryer and not through the grain columns.

Steeping Section

A steeping section at the base of the heat plenum allows the grain moisture and temperature to equalize before cooling, helping to minimize stress cracking in the grain for improved kernel quality.

Grain Quality Option

A special patented MOISTURE EQUALIZER® System is available for MEYER ENERGY MISER Tower Dryers where producers are striving for increased test weight and grain quality.

Commercial Plumbing

Commercial grade gas train is standard.



MEYER ENERGY MISER® Tower Dryer Specifications

| Dryer Model | 1000S | 1200S | 1400S | 1600S | 1800S | 2000S | 2400S |
|---|----------------------|----------------------|----------------------|----------------------|------------------------|------------------------|------------------------|
| Dryer Diameter (Meters) | 3.56 | 3.56 | 3.56 | 3.56 | 3.56 | 3.56 | 3.56 |
| Overall Height (Meters) | 13.06 | 14.58 | 16.48 | 17.63 | 18.77 | 20.29 | 22.96 |
| Grain Column Width (Millimeters) | 254 & 305 | 254 & 305 | 254 & 305 | 254 & 305 | 254 & 305 | 254 & 305 | 254 & 305 |
| Double-Wide Double-Inlet Blower (Quantity – Kilowatts) | 2 - 22.4 Kw | 2 - 22.4 Kw | 2 - 22.4 Kw | 2 - 29.8 Kw | 2 - 29.8 Kw | 2 - 37.3 Kw | 2 - 37.3 Kw |
| Typical burner use per hour at 150° C. (Suction Cool) BTUs in millions - Gigajoules | 6.29 Mbtu 6.64 GJ | 7.05 Mbtu 7.43 GJ | 7.59 Mbtu 8.00 GJ | 9.40 Mbtu 9.91 GJ | 10.02 Mbtu 10.57 GJ | 10.83 Mbtu 11.42 GJ | 11.51 Mbtu 12.14 GJ |
| Unloading Motor (Kilowatts) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |

Grain Dryer Capacities*

| Dryer Model | | 1000S | 1200S | 1400S | 1600S | 1800S | 2000S | 2400S |
|--|--|-------|-------|-------|-------|-------|-------|-------|
| Corn Dry/Cool 20% to 15% | Metric Tons (wet) per Hour 10° C Average Ambient | 25.4 | 29.5 | 34.0 | 39.0 | 42.2 | 46.0 | 52.0 |
| Corn Dry/Cool 25% to 15% | Metric Tons (wet) per Hour 10° C Average Ambient | 18.0 | 21.0 | 23.6 | 27.5 | 30.0 | 32.5 | 37.0 |
| Corn Dry/Cool 30% to 15% | Metric Tons (wet) per Hour 10° C Average Ambient | 13.0 | 15.0 | 17.0 | 20.0 | 21.0 | 23.0 | 26.0 |
| Corn Full Heat 23% to 17% (FHMT 15% in silo)** | Metric Tons (wet) per Hour 10° C Average Ambient | 34.2 | 39.5 | 44.0 | 50.4 | 53.6 | 57.8 | 64.3 |
| Corn Full Heat 28% to 17.5% (FHMT 15% in silo)** | Metric Tons (wet) per Hour 10° C Average Ambient | 23.9 | 27.0 | 30.1 | 34.5 | 36.7 | 39.5 | 44.0 |
| Corn Full Heat 30% to 17.5% (FHMT 15% in silo)** | Metric Tons (wet) per Hour 10° C Average Ambient | 20.8 | 23.2 | 26.1 | 29.9 | 31.8 | 34.3 | 38.1 |
| Wheat Dry/Cool 18% to 13% | Metric Tons (wet) per Hour 25° C Average Ambient | 24.0 | 27.5 | 31.0 | 36.5 | 39.0 | 42.5 | 48.0 |
| Canola Pressure Cool 11% to 7% | Metric Tons (wet) per Hour 25° C Average Ambient | 14.4 | 16.1 | 17.3 | 20.4 | 21.4 | 23.1 | 25.5 |

*Drying capacities are the result of a combination of field tests and averages of customer-reported capacities. These capacities should be attainable in one pass with mature, unfrozen, clean (maximum of 2% fines) grain when operating the dryer at the recommended drying temperature. Drying capacities will vary depending upon weather conditions, hybrid variety, grain maturity, and cleanliness of the grain.

**Full-Heat Moving Target (FHMT) anticipates the final moisture of the grain when it reaches the grain storage silo. Final moisture in the silo can be affected by ambient conditions, steeping times and cooling rates.



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