Tower Dryers

- 800 - 10,000 bu/hr
- QuadraTouch Pro™ Controls
- Industrial Grade Components
SIGNALS FOR AUXILIARY CONTROLS on incoming/outgoing side are standard and adjustable.

UNLOAD RATE is controlled automatically based on grain temperature or moisture. Unload rate can also be manually controlled.

SPOUT on DISCHARGE provides a safe and easy way to sample grain for calibrating moisture sensor.

INCOMING and OUTGOING MOISTURE SENSORS are standard.

ELECTRONIC MOD-VALVE heater control maintains a fuel efficient, steady plenum temperature.

GALVANIZED LEGS are hot-dipped on stick built towers for resistance to rusting. Modular tower legs have a baked-on, painted finish.

ANGLE RING INLET and DISCHARGE allow for easy hook-up to fill and take-away equipment.
**VACUUM COOLING EFFICIENCY ADVANTAGE**

- The Sukup Tower Dryer operates in a heat/vacuum cool mode.
- The blower(s) and burner are located inside the dryer between the heating and cooling chambers, eliminating ducting and leaving more room for the unload area.
- Air is pulled through the grain at the bottom of the dryer, cooling the grain while heating the air. Reclaiming heat from the grain means less fuel is required to get the air to drying temperature. The air is then pulled into the blowers, through the burner and into the drying chamber.

**BALANCED MOISTURE CONTENT**

- Grain enters the top of the dryer through a load system that is controlled by rotary switches that allow choke fill (dryer is kept full of grain all the time) or demand fill (the load system is turned on and off as needed).
- The grain then flows down the dryer in a 12 ¾” thick column. Drying occurs in the top ¾ of the dryer with the grain being inverted halfway down the drying section by Grain Exchangers.
- Inverting the grain takes the faster-drying grain from the inside of the column and moves it to the outside, resulting in more balanced moisture content.

**EFFORTLESS OPERATION**

- The temperature of the air in the drying chamber and the speed of the unload rotor are adjustable.
- The operator selects a desired drying temperature and the speed of the unload rotor is varied to obtain desired moisture output.
- Unload rotor speed is adjusted manually or automatically based on the grain temperature in the bottom of the heat chamber or on the incoming and outgoing moisture content.

**GRAIN FLOW**

The grain then flows into the cooling chamber and spills out onto the flat, stainless steel grain table of the unload chamber. A large rotor with curved stainless steel paddles (the only moving part of the dryer) sweeps grain to the center of the dryer and out the discharge hopper.

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**Modular Tower Dryers**

**10' 6" Diameter. Up to 1500 BPH Capacity.**

**Cost-Effective Installation**

Save on installation expenses with the Sukup Modular Tower Dryer. Dryer modules are delivered to the site assembled and ready to be set with a crane. With stacking complete in one day, the Modular Tower Dryer offers many of the same features as the larger Sukup Commercial Tower Dryers (Maxon Burner, In-line Centrifugal Blower, pipetrain with electronic mod-valve and two safety shut-off valves) without the need for extensive on-site construction.
The Sukup QuadraTouch Pro™ control system creates:

EASY START-UP & OPERATION

SIMPLE, MENU-DRIVEN SYSTEM
The Sukup QuadraTouch Pro™ control system, standard on all Sukup Dryers, was designed to be easy to use with simple menus guiding you through dryer functions. Operator inputs are simple with a pop-up keypad for entering numbers. The QuadraTouch Pro™ can be placed up to 200’ away from the dryer using just an Ethernet cable.

THE QuadraTouch Pro™ is a PLC-BASED SYSTEM.
The PLC (Programmable Logic Controller) is a rugged controller built to withstand harsh environments and offer superior electrical noise protection, eliminating nuisance shut downs and providing you with a reliable system.

COMPREHENSIVE INFORMATION
WITH THE TOUCH OF A BUTTON
The easy to use Sukup QuadraTouch Pro™ control system gives you access to information critical for your operation.

TWO OPTIONS FOR REMOTE ACCESS

THE GSM PHONE MODEM WORKS WITH QuadraTouch Pro™ CONTROLS and OPERATES THROUGH GSM CELL PHONE SERVICE. If the dryer shuts down, the GSM service sends a text message to a predetermined cell phone number, noting the fault. You can also text message the dryer to receive current dryer status, or adjust moisture, unload speed, and plenum temperature settings.

REMOTE MONITORING SOFTWARE ALLOWS YOU TO VIEW THE QuadraTouch Pro™ SCREEN ON YOUR COMPUTER OR THROUGH YOUR SMART PHONE/TABLET APP
You can set up a network on location with dryer or through the internet to view it anywhere and adjust settings including temperature and moisture.
Sukup Manufacturing Co. provides this information to assist you in choosing the optimal equipment for your situation. Many factors, such as grain variety, maturity levels, grain cleanliness, weather conditions and operator/management, can affect the performance of your tower dryer and results may vary. This information is calculated and is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should only be used as estimates, and not as a warranty, express or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continually improving Sukup products, changes may occur that may not be reflected in the specifications.

*Capacities listed are wet-basis ESTIMATES based on drying principles, field results, and computer simulations at 50°F ambient temperature, 60% humidity, drying a minimum of US #2 Yellow Corn at 220°F average plenum temperature. Variations may occur due to grain kernel size, variety, maturity levels, excessive fines, adverse weather conditions, etc. This information is provided to assist in choosing optimal equipment, it is not a guarantee of dryer performance.

**6-9 psi incoming pressure required for natural gas or vapor propane dryers.
• 42’ - 156’ diameter Commercial Bins.
• 42,000 - 1.5 million bushel maximum capacity.
• Roofs available with 15,000, 30,000, 50,000 lb. and 100,000 lb. peak load ratings.
• Sukup Bucket Elevators are the perfect way to fill your tower dryer.
• Sukup Drag Conveyors and Hy-Flights complete your system.