



Model: ST16 (16) Drum Heating Tunnel, Steam

LEWCO drum tunnels provide a means to heat individual drums that are not palletized, while also accommodating "first-in, first-out" product flow. These models also offer the potential for automated drum handling and integration into other processes. All models feature our signature all-welded steel, heavy-duty construction and simple, user-friendly controls.

Capacity

- (16) 55 gallon drums
- 675 lbs. per drum

Construction/ Features

- All welded, 1/8" steel shell
- Insulation: 3" x 6# mineral wool
- Heavy-duty, rigid frame construction and a top mounted heater box saves floor space and provide high convection airflow for faster heat-up times.
- Pneumatic guillotine doors on both ends.

Conveyor

- Gravity roller conveyor set on incline to efficiently convey drums through tunnel.
- 2 1/2" diameter x 11 ga. rollers with sealed bearings on 4 1/2" roller centers.
- Proprietary escapement device allows discharge of (1) drum at a time.

Heating Medium

- Steam, 5-200 PSIG

Heat Exchanger

- 124,000 BTU's per hour at 150 PSIG

Control Options

- Electronic process and redundant high-limit controllers with modulating control valve housed in a IP65 enclosure with full voltage lockable disconnect
- Non-electronic, self-acting temperature controller, limited to 150 psig, available in the following ranges:
 - 125°-212°F, 1/2" valve
 - 158°-300°F, 1/2" valve

Circulation Fan

- Standard: 3,500 CFM, TEFC motor with motor starter
- Optional: 3,500 CFM, explosion-proof motor with motor starter

Quality Assurance

- Each unit comes complete with a (3) year warranty and is fully assembled, wired, and tested prior to shipment

Utility Requirements

- Compressed Air: 60 PSI
- Electric: 480/3/60
- Optional Electric:
 - 208/3/60
 - 240/3/60
 - 380/3/50
 - 575/3/60

Spill Containment

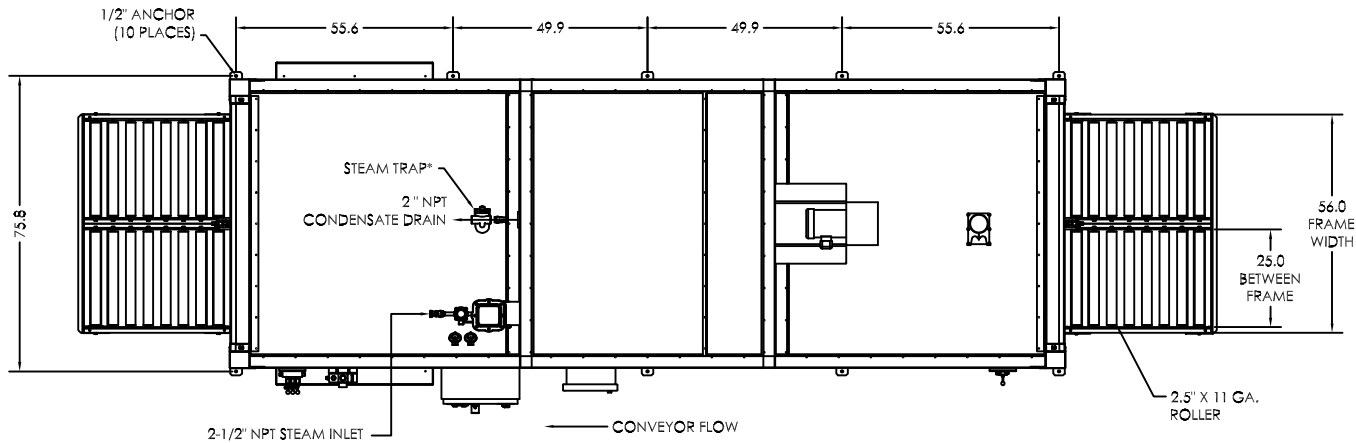
- 111 gallon capacity
- Sump drain, 1" NPT

Finish

- Standard: Blue or gray alkyd oil base paint
- Optional: Premium finish for corrosive areas

Additional Options

- Steam trap
- 5" exhaust vent with damper
- A variety of powered and unpowered standard conveyors are available to move drums through processing.



PLAN VIEW

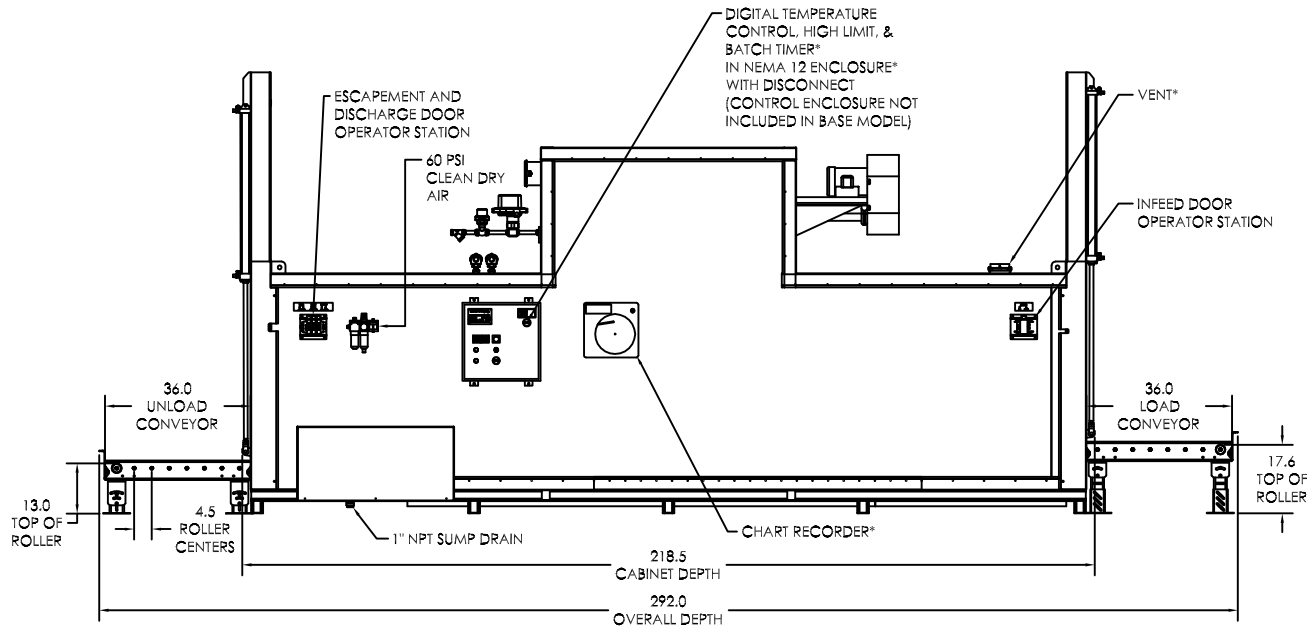
- 1.) CAPACITIES
 MAXIMUM TEMPERATURE: 300°F
 DRUM CAPACITY: (16) 55 GAL DRUMS @ 675 LBS. PER DRUM
 HEAT CAPACITY: 124,000 BTU/HR
 CIRCULATING FAN: 3500 CFM, 2 HP
 SPILL CONTAINMENT SUMP: 111 GAL

- 2.) UTILITY REQUIREMENTS
 ELECTRIC: 480/3/60"
 COMPRESSED AIR: 60 PSI
 HEAT EXCHANGER PRESSURE RATING: 150 PSIG @ 366°F

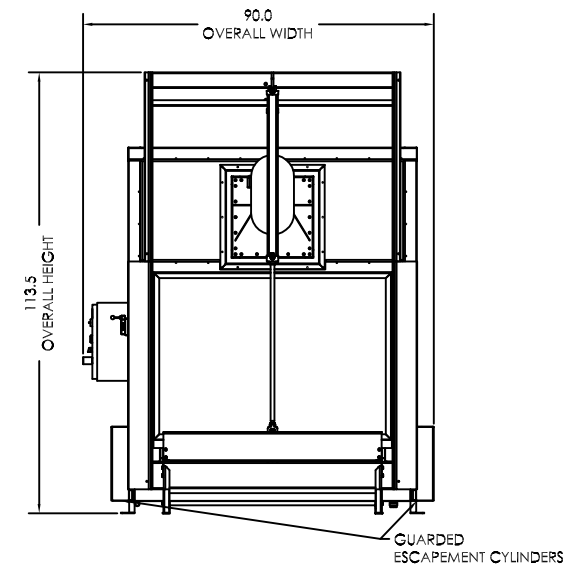
- 3.) MATERIALS OF CONSTRUCTION
 INTERIOR WALLS: 16 GA. ALUMINIZED
 EXTERIOR COVERS: 18 GA. COLD ROLLED
 CONVEYOR RAILS: 8 GA. COLD ROLLED
 BASE: C3@4.1# STRUCTURAL CHANNEL
 INSULATION: 3" x 6# DENSITY MINERAL WOOL

*DESIGNATES OPTIONAL FEATURE

CONSULT FACTORY FOR ADDITIONAL OPTIONS NOT SHOWN



LEFT SIDE ELEVATION



ENTRANCE END ELEVATION

MODEL:	ST16
DESCRIPTION:	DRUM HEATING TUNNEL
DRAWING:	ST16 SALES

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DATE	12/12/13
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PAGE	1 OF 1

