

# E24™ 24-VOLT CONVEYING SYSTEM

Hytrol's E24 sets the standard by delivering a powerful, long-lasting, low-voltage means for product transportation. It was designed to provide the best 24-volt conveyor drive technology in existence. The 24-volt motor driven roller conveyor systems are used for their simplicity and flexibility. A single piece of equipment can perform multiple functions since the drive train is distributed along the conveyor length. This includes different speeds, multiple directions, and starting/stopping individual sections. It also works great with EZLogic® zero-pressure accumulation systems.

## BENEFITS

- Compact design
- High torque, low RPM
- 125,000 hour design life
- Variable speed adjustment
- Designed to work with EZLogic
- Quiet operation
- Fewer spare parts
- Decentralized drive system
- No air requirements
- Brushless, gearless motor

## E24 CONVEYOR MODELS

### 190-E24

The 190-E24 is a live roller conveyor equipped with a series of 24-DC motors to drive the tread rollers, eliminating the need for drive belts, chains, or line shafts.

- All-electric 24-volt operation eliminates the need for pneumatics
- 1.9" diameter x 16 ga. rollers on 3" centers
- Section lengths are available in 6" increments from 2' to 10'
- Standard conveying speed of 25-174 FPM
- Maximum of 37 lbs. per foot and a maximum capacity per E24 motor of 75 lbs.

### 190-E24C & 190-E24SS

The 190-E24C is a live roller curve, and the 190-E24SS is a straight spur used in a diverging or converging applications.

#### 190-E24C

- 2.5" diameters tapered to 1<sup>11</sup>/<sub>16</sub>" diameter x 16 ga. rollers
- 30- and 45-degree curves require (1) 24-volt motor and control card on 18"-42" OAW
- 60- and 90-degree curves require (2) 24-volt motors and control cards on 18"-42" OAW
- Motors mount on the inside of the bed frame and on the inside radius of the curve
- Maximum of 37 lbs. per foot and a maximum capacity per E24 motor of 75 lbs.

#### 190-E24SS

- 1.9" diameter x 16 ga. rollers on 3" centers
- 30-degree spur requires (1) 24-volt motor and control card on 12"-16" OAW at 30" long, (2) 24-volt motors and control cards on 18"-42" OAW at 54" and 75" long
- 45-degree spur requires (1) 24-volt motor and control card on 12"-42" OAW.
- Section lengths for the 45-degree include 21", 36", and 48"
- Motors mount on inside of bed frame

#### 190-E24MC

The 190-E24MC is an all-electric, live roller, modular conveyor built for quick installation and reconfiguration.

- 36/48" BR
- 40A power supply plugs into a 120V outlet
- Two start/stop stations per section
- Adjustable inset floor supports with casters
- Optional quick connect bracketing system
- Max capacity of 70 lbs. per linear foot
- Variable speeds of 30-180 FPM



## COMBINED WITH EZLOGIC ZERO-PRESSURE ACCUMULATION

## E24™ 24-VOLT CONVEYING SYSTEM

Hytrol's patented EZLogic combines the sensing accuracy of photo-electronics with discrete electronic logic control without the use of pneumatic logic components. EZLogic zone controllers sense product presence and control the accumulation and release of product from the zones. If an EZLogic controller does not detect the presence of product for a selectable time period, the controller stops the zone from driving. Each model is equipped with an IOP unit (power supply) that provides DC power for the EZLogic system and provides a wiring hub for advanced features (if I/O boards are present). Multiple modes of operation are available for accumulation and release of product.

### 190-E24EZ & 190-E24Ezc

The 190-E24EZ is a live roller conveyor equipped with a series of 24-DC motors to drive the tread rollers. The 190-E24Ezc is a powerful roller curve conveyor. Both models combine Hytrol's EZLogic zero-pressure accumulation system and each of the accumulating zones is powered by an E24 24-DC motor.

#### 190-E24EZ

- 1.9" diameter x 16 ga. rollers on 3" centers
- EZLogic zone controllers can be located in 18", 24", 30", or 36" zones

#### 190-E24Ezc

- 2.5" diameters tapered to 1<sup>11</sup>/<sub>16</sub>" diameter x 16 ga. rollers
- 30- and 45-degree curves have (1) zone
- 60- and 90-degree curves have (2) zones

The maximum capacity is 37 lbs. per foot. 75 lbs. per zone for both of models, standard conveying speed of 25-174 FPM.

### 199-CRE24EZ & 25-CRE24EZ

These models of accumulating conveyors use a 24-DC motor to power chain driven tread rollers, and are equipped with the EZLogic zero-pressure accumulation system. Models are differentiated by roller diameter, speed, and capacity.

#### 199-CRE24EZ

- 1.9" diameter x 16 ga. rollers on 4" or 6" centers
- Standard conveying speed of 28 FPM
- Maximum unit load not to exceed 600 lbs. per zone

#### 25-CRE24EZ

- 2.5" diameter x 11 ga. rollers on 4" or 6" centers
- Standard conveying speed of 28 FPM
- Maximum unit load not to exceed 1,300 lbs.

EZLogic zone controllers are located in each zone, frame length changes with zone length with both models.

