

I N T R O D U C I N G

# Enclosed Electric Clutch/Brake UniModules

For Aggressive Food Processing Environments



## When reliability, repeatability and uptime matter, choose electric instead of pneumatic

At first glance, there doesn't seem to be a whole lot of difference between the performance of electric clutches and their air-driven counterparts. And for the first few months, you will likely not notice any significant difference between them. However, as time goes on, the pneumatic clutch requires more and more air volume to compensate for wear. Combine that with the inefficiency of your compressed air system, and pretty soon the repeatability of your pneumatic clutch becomes questionable. In applications that require proper placement or timing, that can spell the difference between a profitable production run and a wasted one.

If you were afraid to try electric clutch/brakes in a washdown environment, put Warner Electric to the test. Our enclosed units are a vast improvement from the original electric versions from years ago, and are designed and tested for use in aggressive food processing environments such as meat processing, bakery and beverage.



## Enclosed Electric Clutch/Brake UniModules

# One Piece, Clutch-Brake packages

**The ultimate in packaged convenience. Available as pre-assembled clutches, brakes or clutch-brake packages.**

Packages are available with power-on or electrically released brakes, stand alone or C-face mounting. Factory run-in provides rated torque right out of the box. No maintenance.

- 5 combinations fit motor sizes from 1/4 to 10 HP
- Torque range from 16 lb.ft. to 95 lb.ft.
- Vented, totally enclosed washdown versions available

### Warner Electric® Electric Clutch/Brakes

Warner Electric's Autogap™ adjusts for friction face wear so engagement time is the same throughout the life of the unit.

Electromagnetic systems see little variation with small variations in electrical power.

Plant electrical systems are generally mature systems with little active maintenance.

Power supplies work with simple AC input power and common relays or controls such as PLC's.

Inexpensive to power.

### Consistency Over Time

### Repeatability

### Maintenance

### Installation

### Cost

### Pneumatic Clutch/Brakes

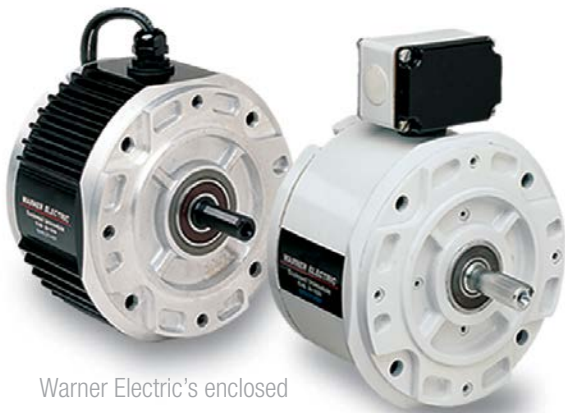
Pneumatic units must inflate the actuator further as friction facing wears resulting in a growing engagement time.

Variations in air pressure will result in variations of torque and therefore variations in engagement time.

Pneumatic systems require constant filter changes to address increases in contaminants and changes in humidity. Failure to properly maintain air system integrity will result in air pressure changes, which changes the engagement time.

Air supply plumbing and valving are required in addition to the valve switching function.

DOE cites air systems as being 5-6 times more expensive for the same function compared to electric.



Warner Electric's enclosed electric clutch/brakes are a technological leap ahead of pneumatic clutches, utilizing our, patented AutoGap™ adjustment technology for consistent, repeatable performance, year after year, in all kinds of food processing and beverage environments. Requiring far less maintenance and installation time than pneumatic clutches, Warner Electric is the choice of food processors around the world.