APPLICATION BULLETIN

APPLICATION: Centrifuge

INDUSTRY: Food Processing, Chemicals, Drugs, etc.

PRODUCT: Posidyne Clutch/Brake - Forced Lube
WHERE THEY ARE USED: Centrifuges are found in food processing, chemicals, coal, drugs, sugar, and manufacturing plants.

HOW THEY WORK: The centrifuge is accelerated to an intermediate (or loading speed) by the Posidyne and the product is pumped into the unit. As centrifugal force drives the liquid through the perforated basket, the solid builds up to form a cake on the filter media. The centrifuge may then be accelerated to a higher drying speed. At this time the basket can be decelerated rapidly or stopped to break the cake loose, and run at a slow speed while the solid material is removed.

PROBLEMS SOLVED: The Forced Lube Posidyne provides a soft start to reduce required starting motor horsepower for the large inertia load, a variable speed capability for product control and a brake for quickly decelerating the large inertia, all in one complete package. By controlling the actuation pressure the acceleration, deceleration and speed can be precisely controlled.

IMPORTANT FEATURES:

- Totally enclosed Clutch/Brake prevents contamination by hostile environments, or contamination of the product.
- Mechanical design permits use in hazardous environments.
- Space-saving compact package for ease of installation.
- Multiple disk, Oil Shear technology for long lasting operation with little downtime.