

# APPLICATION BULLETIN

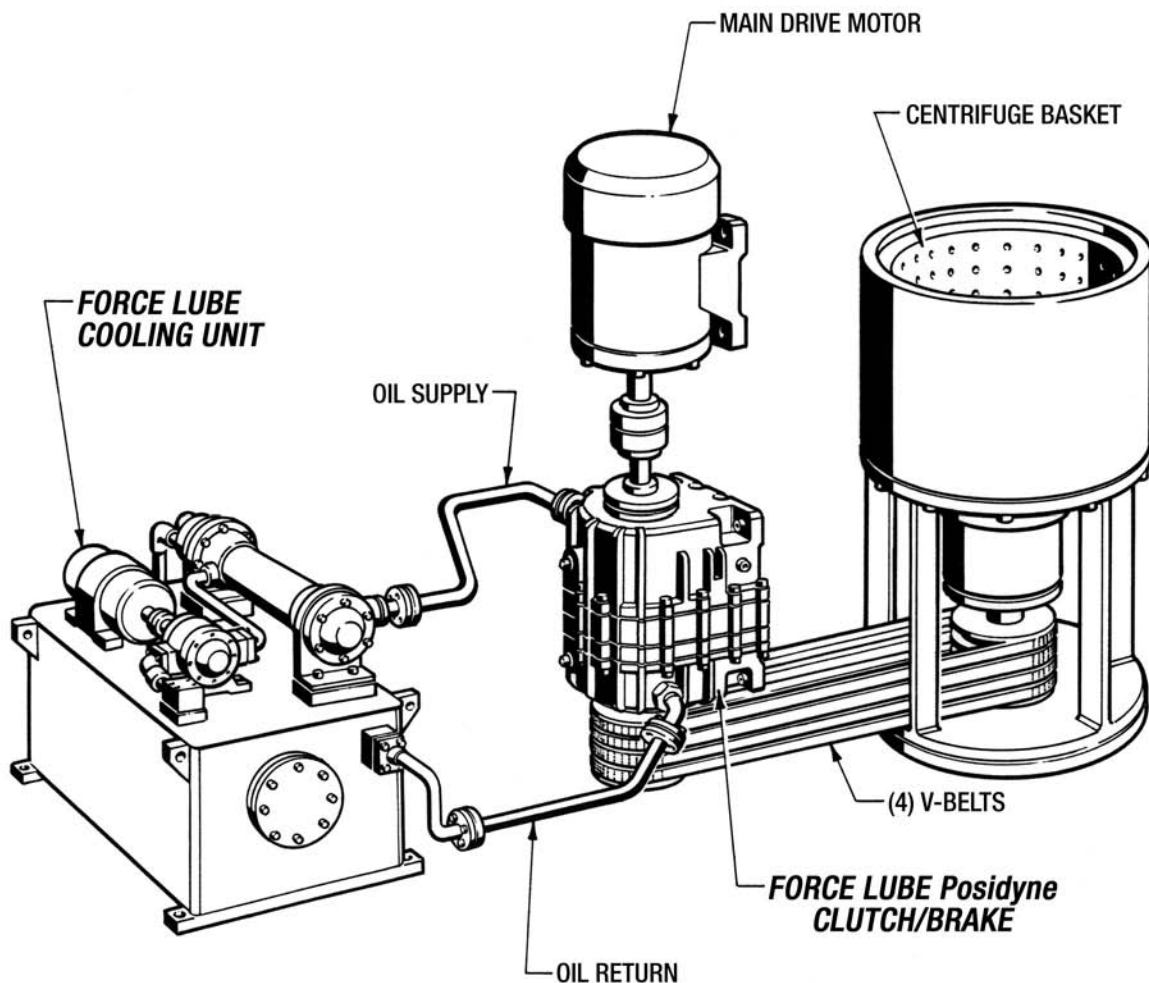


**APPLICATION:** Centrifuge

**INDUSTRY:** Food Processing, Chemicals, Drugs, etc.

**PRODUCT:** Posidyne Clutch/Brake - Forced Lube

## CENTRIFUGE



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**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.



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