

# DeZURIK LOW PRESSURE HYDRAULIC ACCUMULATOR SYSTEMS

DeZURIK's Accumulator Systems are designed to work multiple valve actuators and are offered in multiple configurations. Systems are designed as air over oil or air over water depending on the application requirements. Typical systems include storage sump reservoir, hydraulic pump system and the following components: Compressors, Control Panel, Pressure Tank (Accumulator) and Air Dryer.

## Compressors

Two independent compressors are used either in a lead-lag or tandem configuration and are controlled by pressure switches which maintain the accumulator pressure.

## Control Panel

Electrical controls are housed in NEMA 4X enclosure and includes motor starters, transformers, fuses, disconnects, terminal blocks, logic control and the power supply.



## Pressure Tank (Accumulator)

Fluid is pumped from the sump reservoir into the pressure vessel by dual hydraulic pumps that function in a lead-lag or on demand mode. The tank is plumbed directly into the plant pressure head feed and is available in bladder or non-bladder configurations.

## Air Dryer

Air preparation includes pre and post filtration with water separation and an air over air heat exchanger. Refrigerant dryer is optional.

Individual valve panels installed near the valve actuators control the speed and direction of the valve actuators. Depending on system requirements, the valve panels can include high speed or power fail control valves.



DeZURIK's low pressure hydraulic accumulator systems are an on-demand system that operates automatically and supplies pressurized fluid to the pressure header. Plant monitoring of the accumulator system is available either hardwired or with a communication module.

### **Sales and Service**

For information about our worldwide locations, approvals, certifications and local representative:

**Web Site: [DeZURIK.com](http://DeZURIK.com) E-Mail: [info@dezurik.com](mailto:info@dezurik.com)**



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