



# Kidney Loop Oil Filtration System

Continuously clean your governor sump oil

- **Maintain oil cleanliness automatically!**
- **Permanently mounted adjacent to oil sump**
- **Standard or High-Lift design**
- **High-capacity oil filter with optional water retention capability**
- **Continuous or timed operation**
- **Flow control valve to adjust oil heating**
- **Installation and Operation Manual**

Clean oil is vital to any governor system, new or old. Dirty, contaminated oil leads to increased wear rates on older governors and can clog the pilot sections of newer governor equipment. Many utilities have decided they need to do more to maintain their oil cleanliness than a once-a-year trip through the filter press and centrifuge. For these customers we offer Standard and High-Lift Kidney Loop Oil Filtration Systems.

## **Kidney Loop System includes:**

- > Positive-displacement gear pump
- > 120VAC motor, overload-protected starter
- > High-capacity spin-on oil filter (10µ or less)
- > Standard or High-Lift design
- > Fabricated steel skid
- > Drip pan with bottom drain valve
- > Oil sample valve for convenient testing
- > Pre-wired control enclosure
- > Detailed instruction manual



*Kidney Loop Oil Filtration System*

American Governor Company offers a complete line of pre-engineered retrofit kits, partial upgrade kits, and digital governor systems:

## **Governor Retrofit Kits Available:**

- > Solenoid-Operated Pump Unloader Kits and Lead/Lag Operator Panels
- > Selsyn Replacement Kits (substitutes 4-20mA transducers, new remote indicators)
- > 3D Cam Replacement Kits (eliminates obsolete mechanical and early-digital designs)
- > PLC-based Speed Switch Replacement Kits (eliminates auxiliary switches)
- > Digital Governor Interface Kits (for remote control of mechanical and analog governors)
- > Auxiliary Speed Switch Test Stand

## **Governor Upgrade Kits Available:**

- > Partial Upgrade Kits (includes PLC and Pilot Valve Replacement Kits)
- > Complete Governor Upgrade Systems (includes PLC, Valves, HPU, Pressure Tanks and Servos)
- > American Governor Upgrade Kits are available for governors made by:

### **Woodward:**

- Mechanical Cabinet Actuators
- Analog Electric Actuators (Mod I and II)
- Gateshaft Governors
- Type A Actuators

### **Other Manufacturers:**

- Pelton, Cheston, Allis-Chalmers, Voith, ASEA, SM Smith, Lombard, others

While we do offer upgrade kits, American Governor is **proud to support your legacy governors** with high-quality replacement parts at reasonable prices, expert field service on short notice, knowledgeable technical support, and professional training classes. "No governor is obsolete."

## American Governor Company - Contacts

We Provide Parts and Service for:

- **Regional offices serve you better!** Call today for governor parts, service, training, or technical support.
- **Governor School is back! Every June in Wisconsin.** Call your Regional Office for details.
- **Whether New or Reconditioned,** all American Governor parts come with our **standard one year warranty.**
- **Got nagging governor problems?** American Governor experts are just a phone call away.
- **OEM unsupportive?** American Governor supports all types and styles of hydro governors, **produced by any manufacturer.**



Gateshaft Governors



Mechanical Cabinet Actuators



Analog Cabinet Actuators



Digital Governors

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Wisconsin Training and Repair Facility

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