

INVAL Connection

Industrial Application Bulletin - ABIA001

Micro Valve Applications



General Description

The disposal of waste automotive fluids is an ever growing concern, especially with service stations, auto repair and oil change establishments. With environmental agencies stiffening regulations, proper handling and storage of oils and greases is essential.

Situation

WasteEvac Containment System

A large waste remediation company has developed a system to alleviate on-site storage problems for small operators. The WasteEvac Containment System provides a safe and convenient method of collecting and storing used grease and oil until proper disposal can be arranged.

Solution

An integral part of the WasteEvac System is an Invalco float level control connected to an Invalco Micro Valve. The system is pneumatically powered to insure safety. Oil and grease from crank cases and transmissions are pneumatically pumped into the WasteEvac reservoir. When the level in the reservoir reaches full, the float level control trips the Micro Valve and air is diverted from the pneumatic pump to an audible alarm. After the unit is emptied, the float returns to the low position which resets the Micro Valve and returns the air to the pump (Figure 1). ■

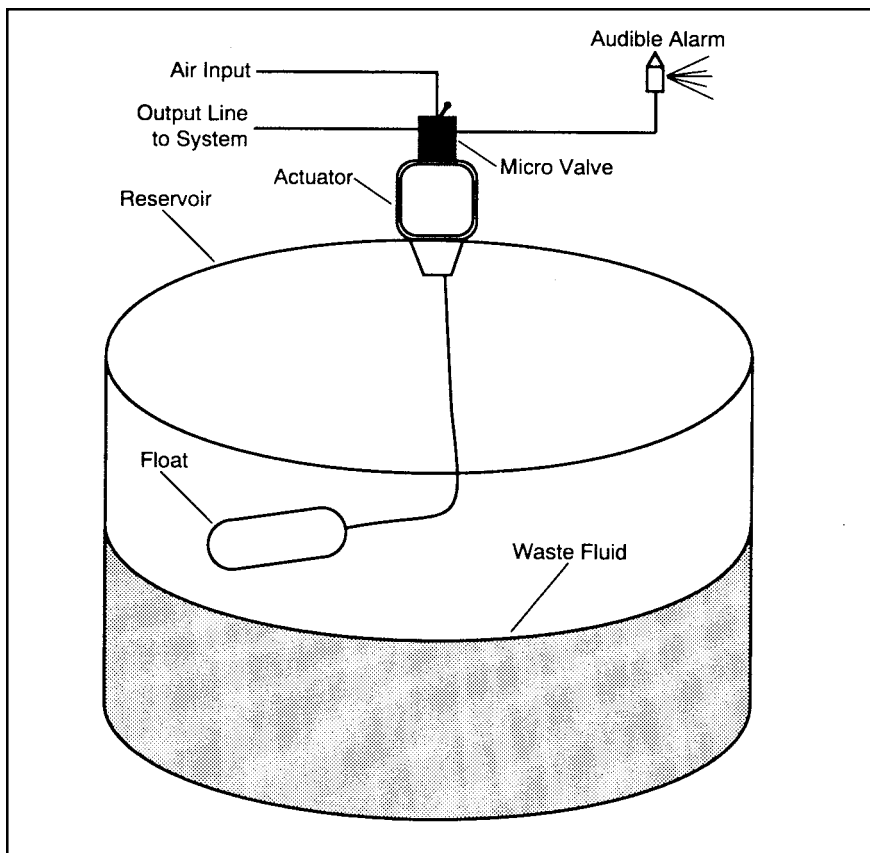


Figure 1.