

## ***Continuous Forced Lubrication of Bearings***

### **Description of Application**

Bearings on large, heavy (and expensive) rotating equipment require continuous forced lubrication to extend life and reduce down time. Since continuous lubrication is so critical, the flow of the lubricant must be accurately set and continuously monitored manually or automatically.

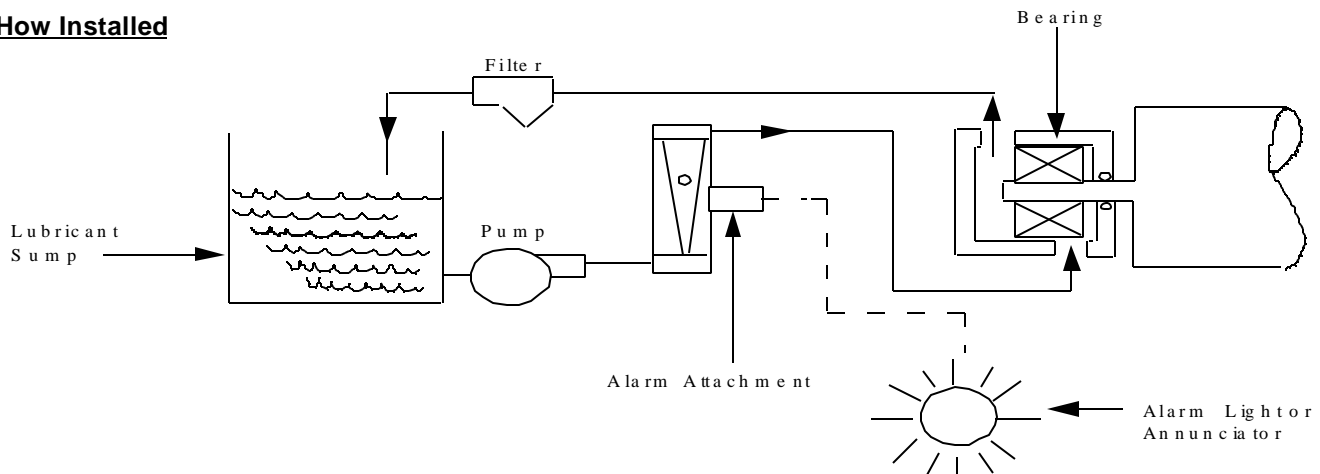
### **Where Used**

Chemical Companies (for large mixers, mills, conveyors)  
Pulp & Paper Companies (for rolls on paper machines)  
Metals & Mining (for mills, conveyors)

### **Rotameter Solution**

The use of an indicating rotameter with or without an electrical low flow alarm is the least expensive and most convenient way to set and monitor the lubricant flow. A flowmeter with an electrical alarm is the most positive, fail-safe type of alarm since it measures flow directly, not inferentially.

### **How Installed**



### **Method of Operation**

A small but uninterrupted flow of lubricating oil is easily set, controlled and monitored visually or electrically by the use of a Rotameter. A special viscosity calibration is usually required due to the higher viscosity of most lubricating oils. An electrical alarm attachment gives operators instant notice in the event of an interruption of the flow of the lubricant.

### **Model Selection**

Since the required flow rate varies widely, different models/sizes will be required. The most widely used model is 10A2235 as an indicator or with an attached low flow alarm. Brass/bronze are satisfactory for most lubricants. If greater scale resolution and accuracy are required, use Model 10A4555.