

Cooling Water To Protect Heat Generating Equipment

Description of Application

Certain types of electrical equipment require continuous cooling by circulation of cooling water to prevent thermal damage.

Where Used

Television Transmitting Stations (cooling the Klystron tube).

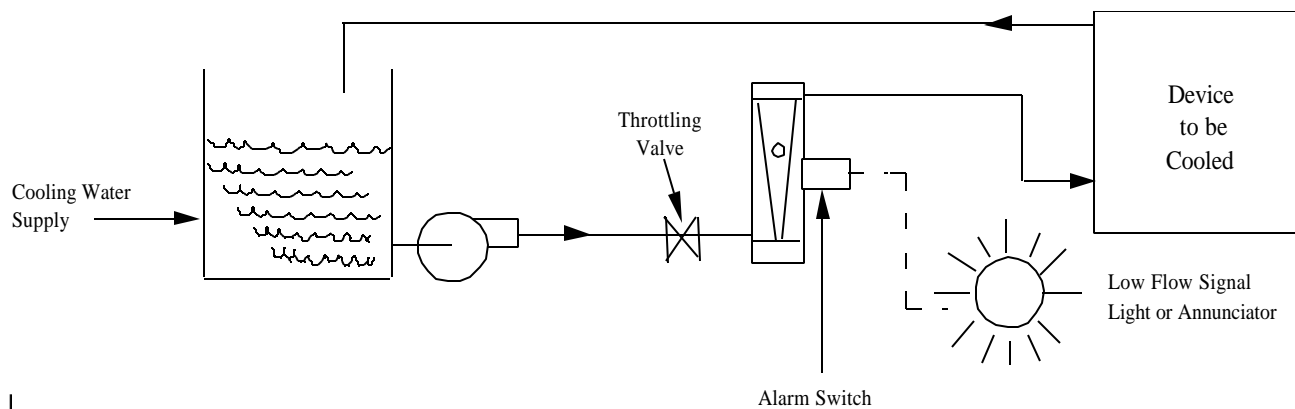
Manufacturing Companies using large machine tools.

OEM's Manufacturing electrical or machine tool equipment which requires cooling.

Rotameter Solution

The use of a Rotameter is the least expensive and most convenient way to set and monitor the flow of cooling water. To give operators instant notification of cooling water flow failure, the Rotameter can be equipped with an integral electrical low flow alarm switch.

How Installed



The required amount of cooling water is easily set and monitored by the use of a Rotameter. If the heat load varies, resetting the cooling water flow is easily accomplished due to the inherently easy readability of the Rotameter scale. A low flow alarm switch set at a slightly lower than the normal flow rate gives an immediate warning of a decreasing total interruption of flow.

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 only or with an attached low flow alarm. Brass/bronze may be used if the coolant is water. If greater scale resolution and accuracy are required, use Model 10A4555.

NOTES:

Note: All Application Bulletins are subject to change without notice.

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