

RADIATOR VALVE

For OISC Transformer

INSTRUCTIONS

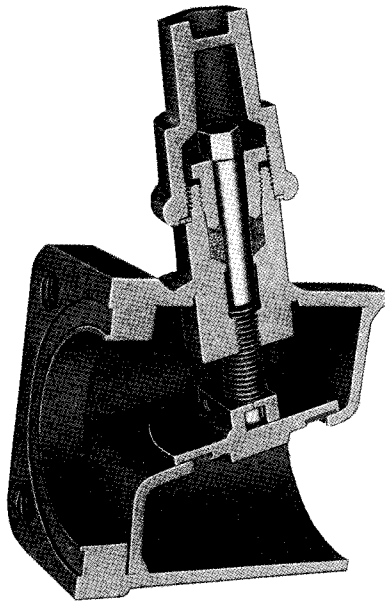


FIG. 1

General

The Westinghouse Radiator Valve is a device designed to eliminate the necessity for draining oil from, and of re-filling self-cooled radiator-type transformers when installing or removing radiators. The open and closed positions are easily discernible by noting the position of the valve stem. A minimum of maintenance is required as it is only necessary to inspect the packing gland, for leaks and tighten when necessary. During shipment the valve opening is closed by a blind flange if radiators are removed.

Construction

Figs. 1 and 2 are sections through the valve showing the closed and open

position and the welded steel construction.

In the open position, the valve is lifted to give an unobstructed passage to the flow of oil.

Fig. 3 shows at the right a larger valve used with a header attached to two radiators and at the left a smaller valve for a single radiator.

The valve body is welded into the transformer tank wall and then the valve disc, stem and packing.

The valve flange is recessed for a gasket. Studs and nuts hold the blind flange or radiator fitting against the valve flange and gasket to make an oil tight joint.

A shredded metallic packing gland around the operating shaft makes it oil tight. A gasket between the valve protecting cap and valve body insures additional protection against oil leak and prevents entrance of water and dirt to the valve stem.

A gasket on the valve disc and a non-rigid connection between the valve stem and valve disc assure that it will be properly seated at all times.

Operation

The valve is operated by first removing the valve cap and then turning the valve stem with a wrench or by means of the protective cap inverted over the valve stem.

The valve should be left open during normal transformer operation. It is closed for special reasons only, such as shipment of the transformer or radiator removal.

Maintenance

Occasionally inspect the valve operating shaft and tighten the gland if necessary.

Renewal Parts

It is not likely that renewal parts will be required but if so give description of part required and serial number of transformer. Order from nearest Westinghouse Electric and Manufacturing Company Office or direct from the Sharon, Pa., Works.

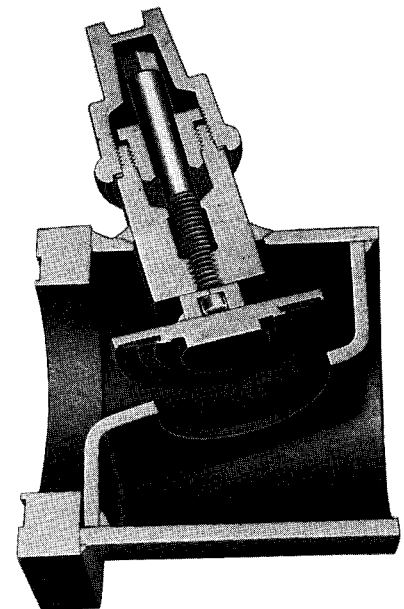


FIG. 2

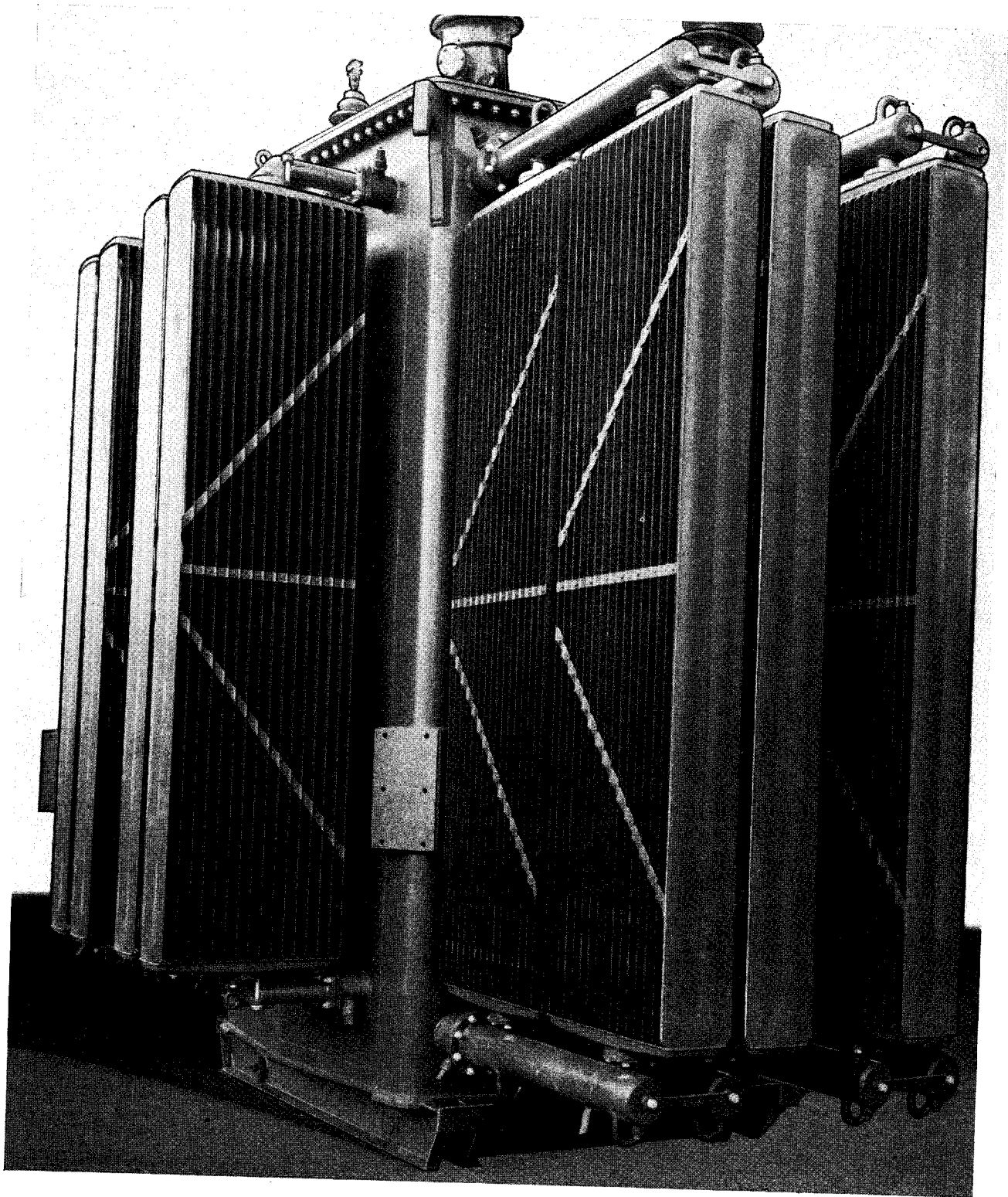


FIG. 3

Westinghouse Electric & Manufacturing Company
Sharon Works, Sharon, Pa.

Westinghouse Press
Printed in U.S.A.