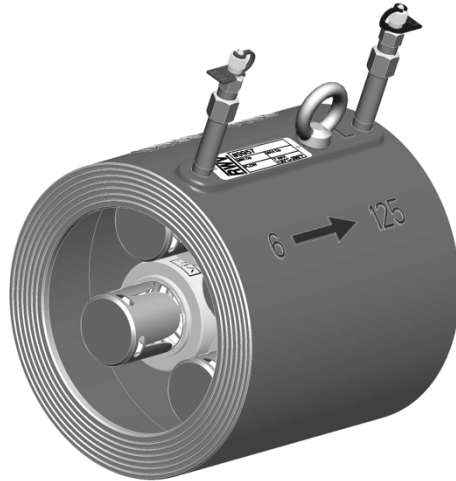




9957W

Installation, Operation and Maintenance Instructions for 9957W Automatic Balancing Valve



GENERAL INFORMATION

Overview:

- RWV 9957W balancing valves are capable of automatically maintaining a designated flow rate on branches of a hydraulic system and within a wide range of differential pressures.
- The 9957W valve is a complete automatic balancing valve capable of balancing heating & cooling systems.

Features:

- Easy to assemble and disassemble due to the wafer design
- Regulation is obtained by means of metallic cartridges specifically designed for each flow rate (or a combination of cartridges for larger sizes).
- The regulating cartridges are positioned parallel to the flow for minimal head losses.
- Metallic parts in direct contact with fluids are either in DZR brass, stainless steel or ductile iron.
- Fig. 9957W vales are suitable for ASME B16.42 class 150 flanges.
- Fig. 9957W valves are intended to be used for non hazardous liquids only.

PRESSURE AND TEMPERATURE VALVE RATINGS

	Non shock pressure at temperature range
Class 150, 15°F to 260°F	250 psi from 15°F(*) to 100°F 220 psi at 260°F

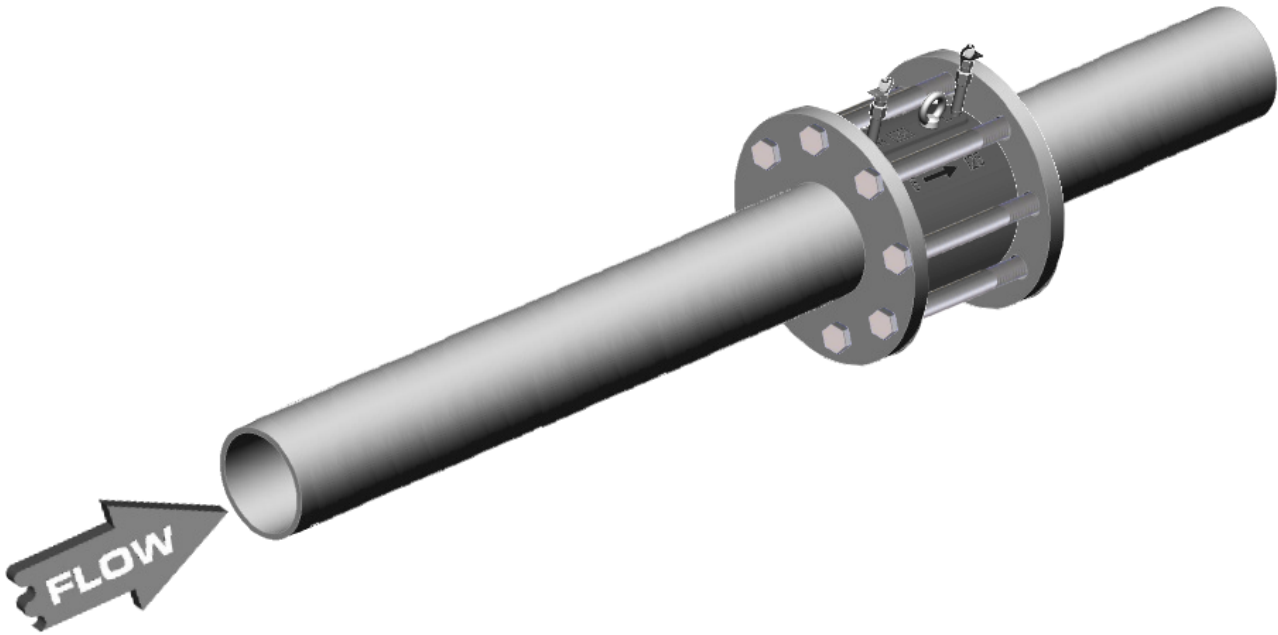
(*) = below freezing temperatures only for water with antifreeze additives.

(**) = over 212°F only for water with anti-boiling additives.

(***) = soldered connections have working rating limitations depending on the solder type.

The operating conditions shown above are intended for non-shock operating conditions: water hammer, stress loads, corrosive or erosive external environmental elements and the transport of fluids with abrasive properties should be avoided. We recommend the use of at least one strainer for each installation.

INSTALLATION



- For optimum flow rate regulation valve should be installed under the following conditions:
 - Verify that flow is in the direction of the arrow on the valve body.
 - Remove excess pipe dope / tape that protrude into the flow path.
 - Thoroughly clean and ream pipes to remove any material protruding into the flow path.
 - Verify system is properly flushed prior to installing the valve or the cartridge/cartridges
 - Use at least one strainer for each installation
 - Ensure water quality is in accordance with DVI 2035
- Note that the Fig. 9957W valves should be installed in a position to allow access of the manometer probes into the pressure test points for commissioning and to avoid contamination of the test points. Extensions and test points should be installed on the valve before connecting it to the line.

CARTRIDGE SELECTION

The operating performance of RWV Fig 9957W valve depends on the proper selection of the regulating cartridges. Valves are provided with cartridges already installed, their selection must therefore be made with the order.

It is possible to replace the cartridges at any time (for example to obtain a different flow). In order to do so, the valve must be removed from the line.

For more information, as well as for a list of available flow rates at nominal fluid conditions (temperature and composition) see product selection guide or feel free to contact RED-WHITE VALVE CORP. for assistance.

RED-WHITE VALVE CORP.

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