The 3-Way Brass Mixing Valve 711 is used to mix supply water from a heat source with water returning from a system. It is designed for use in either closed loop or open loop hydronic systems. It connects to pipe using standard female NPT threads. The valve provides a maximum leak through rate of 1% to allow for water expansion during temperature changes. The valve position can be manually set using the handle. An Actuating Motor 741 can be used to automatically operate the valve.

Sequence of Operation

When the flap is in the fully closed position, 100% of the heating system return water is supplied to the system. When the valve flap is in the fully open position, 100% of the boiler supply water enters the heating system. Mixing of the water takes place when the valve flap is in an intermediate position.

Installation

Check the contents of the package. If any of the items listed below are missing or damaged, please refer to the Limited Warranty and Product Return Procedure on the back of this brochure and contact your wholesaler or local tekmar representative.

- One Mixing Valve & One Data Brochure D 711

IMPORTANT: When mounting the valve, leave a minimum of 4” (10 cm) clearance between the bottom cover and surroundings. This will ensure that all valve components can be easily serviced.

Replacement Parts

The Mixing Valve Handle Kit M3047 contains a replacement manual valve handle, a brass screw, a “C” clip, and a position indicator plate.

The Replacement O-Ring kit contains a small, a medium and a large o-ring. Use M3056 kit for valves 3/4” to 1-1/4”.

• Factory position
• No changes required
• Rotate handle 1/4 turn
• Flip face plate over
• Rotate handle 1/2 turn
• Flip face plate over
• Rotate handle 1/4 turn
Limited Warranty

The tekmar Limited Warranty to the Purchaser on the Products sold hereunder is limited. The Purchaser, by taking receipt of any tekmar product (“Product”), acknowledges the terms of the Limited Warranty in effect at the time of such Product sale and acknowledges that it has read and understands same.

The tekmar Limited Warranty to the Purchaser on the Products sold hereunder is a manufacturer’s pass-through warranty which the Purchaser is authorized to pass through to its customers. Under the Limited Warranty, each tekmar Product is warranted against defects in workmanship and materials if the Product is installed and used in compliance with tekmar’s instructions, ordinary wear and tear excepted. The pass-through warranty period is for a period of twenty-four (24) months from the production date if the Product is not installed during that period, or twelve (12) months from the documented date of installation if installed within twenty-four (24) months from the production date.

The liability of tekmar under this warranty is limited. The tekmar Limited Warranty is limited to the original cost of the defective product, and such repair, exchange or refund shall be the sole remedy available from tekmar, and, without limiting the liability for any other losses, costs, expenses, inconveniences, or damages, whether direct, indirect, special, secondary, incidental or consequential, arising from ownership or use of the Product, or from defects in workmanship or materials, including any liability for fundamental breach of contract.

The pass-through Limited Warranty applies only to those defective Products returned to tekmar during the warranty period. This Limited Warranty does not cover the cost of the parts or labor to remove or transport the defective Product, or to reinstall the repaired or replacement Product; all such costs and expenses being the Purchaser’s sole responsibility and obligation. Purchaser shall indemnify and hold tekmar harmless from and against any and all claims, liabilities and damages of any kind or nature which arise out of or are related to any such representations or warranties by Purchaser to its customers.

The pass-through Limited Warranty does not apply if the returned Product has been damaged by negligence by persons other than tekmar, accident, fire, Act of God, abuse or misuse; or has been damaged by modifications, alterations or attachments made subsequent to purchase which have not been authorized by tekmar; or if the Product was not installed in compliance with tekmar’s instructions and/or the local codes and ordinances; or if due to defective installation of the Product; or if the Product was not used in compliance with tekmar’s instructions.

This warranty is in lieu of all other warranties, express or implied, which the governing law allows Parties to contractually exclude, including, without limitation, implied warranties of merchantability and fitness for a particular purpose, durability or description of the product, its non-infringement of any relevant patents or trademarks, and its compliance with or non-violation of any applicable environmental, health or safety legislation; the term of any other warranty not hereby contractually excluded is limited such that it shall not extend beyond twenty-four (24) months from the production date. To the extent that such limitation is allowed by the governing law.

Product Warranty Return Procedure

All Products that are believed to have defects in workmanship or materials must be returned, together with a written description of the defect, to the tekmar Representative assigned to the territory in which such Product is located. If tekmar receives an inquiry from someone other than a tekmar Representative, including an inquiry from Purchaser (if not a tekmar Representative) or Purchaser’s customers, regarding a potential warranty claim, the tekmar Representative should request the Purchaser to take the following actions:

1. In the case of a potential warranty claim, the Purchaser should contact the tekmar Representative for an evaluation of the claim.
2. If the defect is confirmed to be covered under the warranty, the Purchaser shall follow the Product Warranty Return Procedure outlined below.
3. If the defect is not covered under the warranty, the Purchaser shall be responsible for the repair or replacement of the defective product.

Product Warranty Return Procedure

1. The Purchaser shall prepare a description of the defect, including a photograph or video if available.
2. The Purchaser shall complete and submit the Product Warranty Return Form to the tekmar Representative.
3. The tekmar Representative shall evaluate the claim and determine if the defect is covered under the warranty.
4. If the defect is covered under the warranty, the tekmar Representative shall direct the Purchaser to return the defective product to the designated location for repair or replacement.
5. If the defect is not covered under the warranty, the tekmar Representative shall inform the Purchaser of the repair or replacement costs and provide the Purchaser with the necessary information to proceed.

Limited Warranty and Product Return Procedure

Limited Warranty

Limited Warranty

Limited Warranty

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