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## Symmons LM600A

# Symmons LM600A LaundryMate Valve Box with Arrestors User Manual

Model: LM600A

## 1. INTRODUCTION AND OVERVIEW

The Symmons LaundryMate is a dual box laundry valve system designed for efficient and reliable water supply management for washing machines. This model, LM600A, includes integrated water hammer arrestors to prevent pipe banging. It features a robust PVC box, quarter-turn ball valves, and flexible installation options to accommodate various plumbing setups and construction requirements. This manual provides essential information for proper installation, operation, and maintenance of your LaundryMate valve box.



Figure 1: The Symmons LM600A LaundryMate Valve Box, illustrating both the empty drain box and the valve box with hot and cold water supply valves and integrated water hammer arrestors.

## 2. KEY FEATURES

- **Dual Box Design:** Largest dual box available, providing ample space for installation and access to

valves and hoses.

- **Water Hammer Arrestors:** Integrated ASSE approved water hammer arrestors (model LM600A) to eliminate pipe banging caused by quick-acting washing machine valves.
- **Quarter-Turn Ball Valves:** Individual color-coded (red for hot, blue for cold) quarter-turn ball valves for easy and precise water shut-off.
- **Flexible Installation:** Modular box design allows interlocking two boxes within a standard 16-inch stud bay. Can be screwed directly to studs or mounted using heavy-duty metal straps.
- **Multi-Directional Piping:** Designed to handle water piping from any direction and can be mounted in any orientation for water supplies.
- **Surface Mount Capability:** Includes standoffs for surface mount installation in unfinished areas.
- **2-inch PVC Glue-Fit Outlet:** Drain box features a 2-inch PVC glue-fit outlet with a factory knockout plug for pressure testing.
- **Optional Drain Hose Clamp:** An optional clamp helps secure the drain hose, preventing dislodgement during machine vibration or discharge surges.
- **Optional Funnel Attachment:** Available for use with condensate discharge lines.
- **Paintable Faceplates:** Universal snap-in trim plates accept up to two layers of 5/8-inch drywall and are paintable to match laundry room decor.
- **Valve Connections:** Available in copper sweat, PEX crimp, or PEX cold expansion fittings.

### 3. INSTALLATION AND SETUP

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The Symmons LaundryMate is designed for versatile installation. Follow these general guidelines for proper setup:

1. **Placement:** Position the LaundryMate valve box within a standard 16-inch stud bay. The modular design allows interlocking the two boxes (drain and valve) together.
2. **Mounting:**
  - **Direct to Studs:** Screw the boxes directly to the wooden studs for a secure fit.
  - **Metal Straps:** Utilize the heavy-duty metal mounting straps (similar to those found on Symmons Rapid Install brackets) for precise alignment and enhanced stability.
  - **Surface Mount:** For unfinished areas, the box can be surface mounted using the integrated standoffs.
3. **Water Supply Connection:** The valve box can accommodate water piping from any direction and can be oriented as needed. Connect your hot and cold water lines to the respective quarter-turn ball valves. Ensure connections are secure and leak-free.
4. **Drain Connection:** The drain box features a 2-inch PVC glue-fit outlet. Connect your washing machine drain hose to this outlet. A factory knockout plug is provided for pressure testing the drain line.
5. **Drain Hose Security (Optional):** If using, install the optional clamp to secure the drain hose within the drain box, preventing accidental dislodgement.
6. **Condensate Discharge (Optional):** If required, install the optional funnel attachment for condensate discharge lines.
7. **Finishing:** Once plumbing connections are complete and tested, snap in the trim plates. These plates are paintable to match your laundry room's aesthetic and can accommodate various drywall thicknesses.

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Video 1: An official Symmons video demonstrating the features and installation flexibility of the LaundryMate Washing Machine Valve and Box, including its modular design, mounting options, and valve functionality.

## 4. OPERATING INSTRUCTIONS

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The Symmons LaundryMate valve box is designed for straightforward operation:

- **Water Supply Control:** The hot and cold water supply valves are quarter-turn ball valves. To open the water supply, turn the valve handle 90 degrees until it is parallel with the water pipe. To close the water supply, turn the valve handle 90 degrees until it is perpendicular to the water pipe.
- **Color Coding:** The red handle controls the hot water supply, and the blue handle controls the cold water supply.
- **Water Hammer Arrestors:** The integrated water hammer arrestors operate automatically to absorb pressure surges and prevent banging noises in your plumbing system when the washing machine's internal valves open or close rapidly. No user intervention is required for their function.

## 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and proper function of your LaundryMate valve box:

- **Periodic Inspection:** Periodically inspect the valve box and connections for any signs of leaks, corrosion, or damage.
- **Valve Operation:** Occasionally operate the quarter-turn ball valves (open and close them fully) to ensure they remain free and functional.
- **Cleaning:** Keep the interior of the valve box clean and free of debris. The paintable faceplates can be wiped clean with a damp cloth.
- **Drain Line:** Ensure the drain line remains clear and free of obstructions to prevent backups.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter:

- **Leaking Connections:** If leaks occur at the water supply connections, ensure all fittings are properly tightened. If the leak persists, professional plumbing assistance may be required.
- **Pipe Banging (Water Hammer):** The LM600A model includes water hammer arrestors designed to prevent this. If pipe banging still occurs, verify that the arrestors are functioning correctly or consult a plumber.
- **Drainage Issues:** If the washing machine is not draining properly, check the drain hose for kinks or blockages. Ensure the drain line connected to the LaundryMate box is clear.
- **Stiff Valves:** If a quarter-turn ball valve becomes stiff or difficult to operate, do not force it. Gently try to operate it back and forth. If it remains stiff, it may require replacement by a qualified professional.

## 7. SPECIFICATIONS

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| Feature      | Detail  |
|--------------|---------|
| Model Number | LM600A  |
| Brand        | Symmons |

| Feature                    | Detail  |
|----------------------------|---|
| <b>Material</b>            | Metal (Brass), Polyvinyl Chloride (PVC)                                       |
| <b>Style</b>               | With Arrestors  |
| <b>Inlet Size</b>          | 1/2"  |
| <b>Drain Outlet Size</b>   | 2" PVC Glue-Fit   |
| <b>Product Dimensions</b>  | 2.75"D x 13.25"W x 7"H  |
| <b>Item Weight</b>         | 3.52 pounds   |
| <b>Installation Method</b> | Wall Mounted (In-wall or Surface)   |
| <b>Special Features</b>    | Portable (referring to ease of handling/installation), Water Hammer Arrestors |
| <b>Certifications</b>      | NSF/ANSI 61.9, NSF/ANSI 372 (Lead-Free), ASSE 1010 (for arrestors)            |

## 8. WARRANTY AND SUPPORT

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The Symmons LaundryMate Valve Box is backed by comprehensive warranty coverage:

- **Consumer Warranty:** Limited lifetime consumer warranty.
- **Commercial Warranty:** 10-year commercial warranty.

For any questions regarding your LaundryMate or other Symmons products, please contact our Technical Support team:

**Phone: 1 (800) SYMMONS**

Please refer to the official Symmons website or product packaging for the most current and detailed warranty information.