

## Watts 007M2-T

# Watts RK 007M2-T 3/4 Inch Double Check Valve Repair Kit User Manual

Comprehensive guide for the installation and maintenance of your Watts RK 007M2-T repair kit.

## PRODUCT OVERVIEW

The Watts RK 007M2-T 3/4 Inch Double Check Valve Total Repair Kit is designed to provide all necessary parts for replacing the major internal components of an applicable 007M2 Series double check valve assembly. This kit ensures the continued proper function of your backflow prevention system by allowing for the replacement of worn or damaged internal parts with genuine Watts components.



Image: The Watts RK 007M2-T repair kit components, including various O-rings, seats, disc assemblies, springs, and check cages, laid out on a white background. These parts are essential for restoring the functionality of a 007M2 Series double check valve.

## COMPONENTS INCLUDED

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This comprehensive repair kit includes the following genuine Watts components:

- Cover O-ring
- Two seats
- Seat O-rings
- Disc assemblies (for both first and second checks)
- Springs (for both first and second checks)
- Check cages (for both first and second checks)
- Retainer (if plastic, as specified by the kit contents)

## SETUP AND INSTALLATION

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This repair kit is designed for the servicing of Watts 007M2 Series Double Check Valve Assemblies. Installation involves replacing the internal components of the existing valve. It is recommended that installation be performed by a qualified professional or an individual with experience in plumbing and backflow prevention systems.

1. **Preparation:** Ensure the water supply to the backflow assembly is shut off and the system is depressurized before beginning any work.
2. **Disassembly:** Carefully disassemble the existing 007M2 double check valve assembly according to the original manufacturer's instructions or standard plumbing practices. Note the orientation and placement of all components.
3. **Component Replacement:** Replace the old internal components (O-rings, seats, disc assemblies, springs, check cages) with the new, genuine Watts parts provided in this RK 007M2-T kit. Ensure all new O-rings are properly seated and lubricated if necessary.
4. **Reassembly:** Reassemble the double check valve assembly, ensuring all parts are correctly aligned and tightened to the manufacturer's specifications. No special tools are required for servicing these components.
5. **Testing:** After reassembly, slowly restore water pressure to the system and carefully check for any leaks. It is highly recommended to have the backflow assembly tested by a certified backflow tester to ensure it meets all local codes and operates correctly.

For detailed visual instructions, refer to the original Watts 007M2 Series Double Check Valve Assembly manual or consult a professional.

## OPERATING PRINCIPLES (OF THE REPAIRED VALVE)

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Once the Watts 007M2 Double Check Valve Assembly is repaired with this kit, it will function as designed to prevent backflow. A double check valve assembly consists of two independently operating check valves, installed in series. This design provides protection against backpressure and backsiphonage in non-health hazard applications.

- **Normal Flow:** During normal water flow, both check valves are open, allowing water to pass through.
- **Backpressure Prevention:** If downstream pressure exceeds upstream pressure, the check valves close, preventing contaminated water from flowing back into the potable water supply.
- **Backsiphonage Prevention:** If upstream pressure drops (e.g., due to a main break), creating a vacuum, the check valves close to prevent siphonage of downstream water back into the supply.

The integrity of these internal components, replaced by this kit, is crucial for the reliable operation of the backflow preventer.

## MAINTENANCE

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The RK 007M2-T kit itself is a maintenance product. Regular maintenance of backflow prevention devices is critical to ensure their proper function and compliance with local regulations. This kit facilitates the necessary internal component replacement that is part of routine maintenance or repair when components show signs of wear or failure.

- **Annual Testing:** Backflow prevention assemblies, including those repaired with this kit, typically require annual testing by a certified backflow tester to ensure they are operating within specifications.
- **Component Inspection:** During testing or any servicing, inspect all internal components for wear, cracks, or deformation. Replace any damaged parts promptly using genuine Watts repair kits.
- **Environmental Protection:** Protect the backflow assembly from freezing temperatures and physical damage, which can compromise its integrity and lead to component failure.

## TROUBLESHOOTING

This repair kit addresses common internal component failures in the Watts 007M2 Double Check Valve Assembly. If your backflow preventer is exhibiting issues, consider the following:

- **Constant Leakage from Relief Valve:** This often indicates a problem with the first check valve or a fouled relief valve. Replacing the disc assemblies and O-rings in the first check can resolve this.
- **Failure to Hold Pressure:** If the assembly fails its annual test, particularly if one or both checks are not holding pressure, it's a strong indicator that the internal components (seats, discs, springs) are worn or damaged and require replacement.
- **Reduced Flow:** While less common for internal component failure, significant debris accumulation can reduce flow. Ensure the system is flushed before and after repair.
- **Visible Damage:** Inspect the exterior and interior components for cracks, corrosion, or other physical damage.

Always consult a certified backflow technician for diagnosis and repair if you are unsure about the cause of a malfunction or the repair process.

## SPECIFICATIONS

Attribute	Detail
Brand	Watts
Kit Type	Repair Kit
Products Used On	Series 007M2 Double Check Valve Assembly, Backflow Preventing Valve
Series	RK-007
Nominal Inside Diameter	0.75 Inches
Nominal Outside Diameter	0.75 Inches
Item Diameter	0.75 Inches
Material	Plastic
Part Number	0887724
Lead Free	YES
Package Dimensions	6.22 x 5.24 x 3.19 inches
Package Weight	5.01 ounces
Manufacturer	Watts
Date First Available	December 7, 2018

## WARRANTY AND SUPPORT



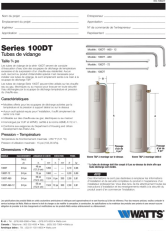

This repair kit contains genuine and original Watts parts, ensuring compatibility and quality for your 007M2 Series

Double Check Valve Assembly. For specific warranty information regarding the Watts RK 007M2-T repair kit or the Watts 007M2 Series valve itself, please refer to the official Watts documentation that came with your original product or visit the official Watts website.

For technical support, product inquiries, or to locate a certified Watts service provider, please contact Watts customer service directly or visit their official brand store:

[Visit the Watts Store on Amazon](#)

Related Documents - 007M2-T

	<p><a href="#">Spécifications Techniques : Soupapes de Décharge Température et Pression Watts Série LF1L, LF1XL, LF10L, LF100XL</a></p> <p>Document technique détaillant les spécifications, caractéristiques et options des soupapes de décharge température et pression Watts, séries LF1L, LF1XL, LF10L et LF100XL, conçues pour la protection des chauffe-eau.</p>
	<p><a href="#">Spécifications Techniques Série Watts SL100XL, L100XL, LL100XL, LLL100XL</a></p> <p>Spécifications techniques complètes pour les soupapes de décharge température et pression à tige allongée Watts séries SL100XL, L100XL, LL100XL et LLL100XL. Détails sur les caractéristiques, dimensions, installation et sécurité pour chauffe-eau.</p>
	<p><a href="#">Watts Series 100DT Drain Tubes - Technical Specifications</a></p> <p>Detailed technical specifications for Watts Series 100DT drain tubes, including features, dimensions, weight, and pressure/temperature ratings for residential water heaters. This document provides an overview of the product's capabilities and installation considerations.</p>
	<p><a href="#">Watts 2025 Canadian Price List: Repair Kits &amp; Service Parts</a></p> <p>Official 2025 Canadian price list from Watts for repair kits and service parts. Browse comprehensive listings for pressure regulators, ball valves, gate valves, strainers, hydronic heating products, tempering valves, and more.</p>



[Watts 2026 Repair Kits & Parts Price List - Comprehensive Catalog](#)

Official 2026 price list from Watts for repair kits and service parts for various plumbing and water control products, excluding backflow preventers. Includes detailed product listings, terms, and conditions.



[Watts Repair Kits and Parts Price List 2025](#)

Comprehensive price list for Watts repair kits and service parts, featuring a wide range of plumbing and HVAC products including pressure regulators, ball valves, gate valves, check valves, strainers, hydronic heating products, tempering valves, and more. Find part numbers, sizes, and pricing.