

# Dual Check Backflow Preventers

## Series #7 Dual Check Backflow Preventer - 1/2" thru 1 1/4"

### Residential Protection for Public Water Supply

The # 7 Dual Check Backflow Preventer is designed for containment control programs and installation at the residential water meter or service entrance.

The Dual Check Backflow Preventer provides maximum protection for the public water supply when utilized in comprehensive total containment programs. The Dual Check is designed to support the local or state plumbing code requirements for each premise served.

It is generally understood that the water purveyor has no authority to conduct plumbing inspections and that residential homes often fall into a category of non-compliance with the code, resulting in a potential health hazard for the consumer and the community water supply. Therefore, a comprehensive program to protect safe drinking water will consist of the following three major components as conditions of the agreement or contract for receiving service from the public water system.

- The user must certify that his domestic water system is in compliance with the plumbing code — **The first line of defense.**
- The user must install a Dual Check Backflow Preventer, located at the water meter, as prescribed by the purveyor of water. — **The second line of defense.**
- In addition to providing an ample supply of quality drinking water, the supplier must also provide information to the user on prevention of inadvertent contamination or pollution of that water once it has entered the domestic water system. This is basically a descriptive explanation of the local plumbing code — **Education.**

**NOTE:** Team EJP has the information which explains why it is so important to protect both the public water supply and domestic water system.

### Specifications

The Dual Check Backflow Preventer shall meet the domestic requirements of ANSI/ASSE Standard 1024, and bear the seal of approval. It shall be bronze-bodied and include not less than one union, with the union nut drilled to accept a tamper-proof lock wire. A brass identification tag shall be securely attached to the valve body by corrosion-resistant mechanical fasteners. The Dual Check shall be Watts Regulator Company's Series 7, or approved equal.

**Refer to MBS, Section T for Backflow Installation and Testing Services**

## In-Line Dual Check Valves



**#7 Dual Check Backflow Preventer**

Series 7 straight line poppet type construction minimizes pressure drop and provides smooth flow characteristics. It is not adversely affected by normal line pressure surges, will not cause water hammer and operates without chatter or vibration. It can be installed horizontally or vertically. Tested and certified to meet or exceed the 1988 revision of ANSI/ASSE Standard 1024 for "Dual Check Valve Type Backflow Preventers."

### Meter x FEIP or Pack Joint Outlets

METER SIZE	TUBING SIZE	PRODUCT NUMBER	
		FEIP OUTLET	PACK JOINT OUTLET
5/8"	3/4"	NS	52046
5/8" x 3/4"	3/4"	52049	52047
3/4"	3/4"	52049	52047
1"	1"	NS	52048

### FEIP X FEIP

DESCRIPTION	THREAD SIZE	PRODUCT NUMBER
3/4" #7 Dual Check BF IP x IP	3/4"	51243
1" #7 Dual Check BF IP x IP	1"	51260

### K-Horn Dual Check

The #7 Dual Check Valve is attached to the outlet side of the K-Horn meter setter and connected to the inside service pipe with a Pack Joint Assembly.

DESCRIPTION	PRODUCT NUMBER
#7 DCBF Prev. 1-3K L/C	52035
#07S DCBF Prev. 4K L/C	51254 3

#### NOTES:

- The #7 Dual Check is 100% lead free.
- See Section H for K-Horns and Pack Joint Assemblies.

## Double Check Backflow Preventers

### Double Check Valve Assembly Backflow Preventers

Watts Double Check Valve Assemblies are designed to protect the potable water supply in accordance with national plumbing codes and local water authority requirements. The 007 and 709 Series can be applied to a variety of installations where the degree of hazard is considered low to intermediate. This includes containment at the service line entrance, and where approved for specific installations.

Series 007 are tested and certified under the following standards: ASSE Standard 1013 and 1015, AWWA C510-92, CSA B64.5, FCCCHR of USC Manual, Section 10, and are listed by IAPMO (UPC) and SBCCI (Standard Plumbing Code).

**IMPORTANT:** Inquire with governing authorities for local installation requirements.

### Watts Series 007 Sizes 2½" & 3"



### Watts Series 007QT Sizes ¾" - 2"



007M3QT

#### Features:

- Ease of Maintenance—single top entry cover
- Replaceable seats
- Modular construction for compact design
- Ball valve test cocks
- Low pressure drop
- No special tools required for servicing

#### NOTES:

- 007 Backflows are now available in stainless steel at no additional cost.
- A new Double Check Compact Assembly is now available in 4" and 6" sizes.
- See back of Table of Contents for abbreviations used in this section.

**Refer to MBS, Section T for Backflow Installation and Testing Services**

#### Features:

- Fused epoxy coated cast iron body
- Removable bronze seats
- Maximum flow with low pressure drop
- Compact design for both economy and performance
- Simple design for easy maintenance
- No special tools required
- Bronze body ball valve test cocks

The Watts Series 007 consists of two independently operating, center stem guided, check modules, accessed through a single cover plate. Each check module includes a captured spring, replaceable bronze seat and replaceable seat disc. The assembly also includes four ball-type test cocks and two resilient seat isolation gate valves.

Sizes 2½" and 3" Series 007 assemblies are suitable for supply pressures up to 175 PSI and water temperatures to 110°F.

Watts Series 007QT Double Check Valve Assemblies are furnished with ball type test cocks and quarter-turn, full port, resilient seated, bronze ball valve shut-offs. ¾" and 1" shut-offs have tee handles. All sizes can be installed horizontally or vertically. Series 007QT assemblies are suitable for supply pressures up to 175 PSI and water temperatures up to 180°F.

SIZE	PRODUCT NUMBER			
	007QT	007QT-S	007 NRS	007 OS&Y
¾"	51247	51247 1	NA	NA
1"	51255	51255 1	NA	NA
1¼"	51264	51264 1	NA	NA
1½"	51282	51282 1	NA	NA
2"	51295	51295 1	NA	NA
2½"	51306 2	51306 3	51306	51306 1
3"	51319 2	51319 3	51319	51319 1