

the Repair Guys



Identify the Watts 1 1/4 inch thru 2 inch 007

In our line of work, we field questions from contractors and technicians concerning repairs, installations, and general backflow prevention practices. We'd like to share some questions that we receive as well as our answers. Everyone has different opinions on these subjects and we would like to hear yours. Contact us with questions and ideas via email at: imark@backflowparts.com or mail us at American Backflow Products Co., PO Box 37025, Tallahassee, Florida 32315.

-- Mark Inman and Jason Gregg

Question:

In the preceding article we discussed some of the physical differences between each modification of the 3/4 inch and 1 inch sizes of the Watts 007 series Double Check Valve Assembly. We did this to help in identifying each model if the data plate happened to be missing or was damaged and unreadable. This month we will continue with an identification of the 1-1/4 thru the 2 inch sizes of the Watts 007 series.

Mark:

The Watts 1-1/2 inch and 2 inch sizes of the 007 series assemblies have been updated or modified a couple of times over the years. Like the 009 series, the modifications made to the 007 series are dependent on the size of the assembly and should be indicated on the data plate (i.e. M1 or M2). If you have followed this article for the past three months you're probably wondering

why Watts has made all of these changes, resulting in many different modifications of relatively the same device. Contrary to popular belief, Watts did not make updates or modifications just to confuse or make things difficult for everyone. The modifications were introduced to make the device perform better. The only confusing and difficult part of these devices is ensuring that we have the correct parts when repairing a particular model.

Jason:

Let's start with the original 007 that was produced in the 1-1/2 and 2 inch sizes. This model is distinguishable from the M1 & M2 models by outward appearance. This model has a Brass access cover and six (6) cover bolts to secure it to the body. Just in case someone has painted the device to make it hard to tell whether it's brass or not, the access cover is slightly raised in the center to have a dome-like appearance. If you are not sure by outward appearance, take a look inside. This original has a stainless steel check valve retainer, and the

disc holders in the check modules are made of brass as well.

Mark:

The next modification was to the 1-1/2 and 2 inch sizes. This modification was labeled the 007M1. This modification is easy to distinguish from the original by outward appearance. For starters this modification sports a Flat Stainless Steel access cover which, also utilizes (6) bolts to secure the cover to the body. Since the 007M2 uses the same access cover, you might want to check inside this one for assurance. This 007M1 model also has a stainless steel check valve retainer but, the disc holders in the check modules are made of black plastic. One thing to note is that the 2 inch 007M1 is still a current model and



007 1.5-2

only the 1-1/4 inch and 1-1/2 inch sizes were modified next. One thing to note is that the 2 inch 007M1 is still a current model and only the 1-1/4 inch and 1-1/2 inch sizes were modified next.

Jason:

The next model to be produced was in the 1-1/4 inch and 1-1/2 inch sizes only. This modification was labeled the 007M2. This modification uses the same Flat Stainless Steel access Cover as the 007M1, so to be able to distinguish the 007M2 from the 007M1 you will have to take a look inside.

This modification has a Black Plastic check valve retainer opposed to the Stainless Steel retainer in the other two models, and the check valve modules and disc



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holders are completely plastic and black in color.

Summery Points to Remember:

- (1) 1-1/2 inch and 2 inch Original 007: Brass Cover/ Stainless Steel Retainer/ White Seat and Cage/ Brass Disc Holders.
- (2) 1-1/2 inch and 2 inch 007M1: Flat Stainless Steel Cover/ Stainless Steel Retainer/ White Seat and Cage/ Black Disc Holders. (Note: 2 inch 007M1 is still current)
- (3) 1-1/4 inch & 1-1/2 inch 007M2: Flat Stainless Steel Cover/ Black Plastic Retainer/ Black Seat and Cage/ Black Disc Holders.

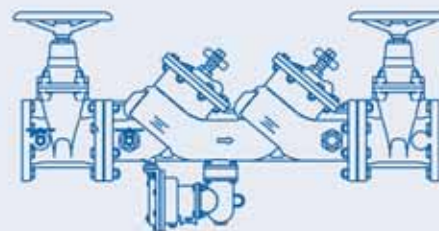


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