

# the Repair Guys



## Identify the Watts 3/4" 009

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](mailto:imark@backflowparts.com) or mail us at American Backflow Products Co., PO Box 37025, Tallahassee, Florida 32315.

-- Mark Inman and Jason Gregg

### Question:

I'm trying to find the correct repair parts for a 3/4" Watts 009. I realize that there have been some changes to the 009 series and the parts for these do not interchange. This particular device is

missing the identification tag. How can I find out which model of the 009 I have here?

### Mark:

We get this question thrown at us a lot. The 3/4" - 2" 009 series assemblies have been updated or modified several times over the years. These modifications are also dependent on the size of the assembly and are indicated on the data plate (i.e., M1, M2, or M3). This can



### 009 Series 1

make finding the correct parts very interesting to say the least. If the data plate is unreadable or missing you'll have to rely on the physical features of the assembly to tell which device you have. In this article we will try to help you identify the 3/4" - 1" sizes of the 009 and next month we'll discuss the 1 1/4" - 2" 009 assemblies.

### Jason:

The original 3/4" - 1" 009 is easy to identify from its outward appearance. The first feature to look for is the cover. This cover has (4) bolts. It also has a vent screw on the cover, as well as a dust plug in the center of the lid. The dust plug is round and resembles a wedge that is pushed down into the cover that allows air to escape as well as keeping debris



### 009m2 Series

out. If you are still unsure about this one's identity you can take the cover off and look at the relief valve stem assembly, which is made of brass. Some of the early models also used a stainless steel retainer that was later changed to a black plastic retainer. Looking for these features should help in identifying the original 3/4" - 1" 009.

**Mark:**

The 3/4" size 009 was first modified to the 009M2 and is easy to distinguish from the original by its outward appearance. The 3/4" 009M2 has only (2) cover bolts. The cover is also tapped for the #2 test-cock, and has a dust plug in the center. Also the relief valve stem assembly is made of plastic.

The 3/4" 009M2 was then modified to the 3/4" 009M3 but cannot be distinguished from the 009M2 from its outward appearance. The only difference between the 3/4" 009M2 and M3



*009m3 Series*



*009m2 1 Series*

is the check valve modules. The 3/4" M2 uses a check module that resembles a barrel or canister that is white in color. And the 3/4" M3 uses a module that resembles a cage which is black in color.

**Jason:**

The 1" 009 has currently been modified to the 1" 009M2. This device looks similar to the original 1" 009 being the same size, and also having (4) cover bolts. The difference is in the cover. The original 1" 009 has (4) bolts, a vent screw, and a dust plug in the cover, while the modified 1" 009M2 has (4) bolts, a vent screw, but does not have a dust plug in the cover. If you're still unsure you can take a look at the relief valve stem assembly. This one has a black plastic relief valve stem unlike the brass stem in the original 1" 009.



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