



## **Repair Kit Guide**

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## What Kit do you need?

Each manufacturer packages their kits differently. Saying you want a total repair kit can mean different things. Do you want a total rubber repair kit that will replace rubbers for the entire valve whether it is a double check, reduced pressure or pressure vacuum breaker assembly? Or do you mean you want complete checks and/or relief valve (meaning all rubbers, springs, plastic, etc)? "Total" can mean different things to different people as well as to the manufactures so it is important to know how repair kits are packaged and the terms each manufacturer uses.

Remember it is important to have a manufacturer name and model as well as size. These need to be complete model numbers. Some Ames and Watts assemblies have an "M" series as part of the model. It could be an M1, M2, or M3. It is important that this is given as the model number as kits are different. Also on Watts assemblies "QT" is often listed and this means "quarter turn" ball valves. It is not an important part of the model. It is also misread as "OT" or "OT" or "O1" or O1".

Hopefully you will find this breakdown helpful. This is not all encompassing. We have tried to highlight some of the more common assemblies. This is by no means to be comprehensive guide, but simply that, a guide.

### Ames Assemblies

The **200B, 2000B, 400B, 4000B** all use a standard matrix and do not need to be explained beyond the following description.

Here is the key to the labeling of Ames and Watts repair kits. "RK" means repair kit. (For Ames it will be "ARK". Any guess what the "A" stands for?) Following the RK is the model number, including any "M" designations as mentioned earlier. Then the following letters designates the kit contents. Then the size must be listed to complete the repair kit number. Example: ARK 2000BM2 RT  $\frac{3}{4}$ ".

### Kit Content Codes

B = Bonnet Assembly

T = Total

C = Cover

1 = First Check

V = Vent or Relief Valve

2 = Second Check

CK = Check or Spring

3 = Both 1<sup>st</sup> and 2<sup>nd</sup> Check

RC = Rubber for Check

4 = Either 1<sup>st</sup> or 2<sup>nd</sup> Check

RV = Rubber for Relief Valve

SS = Stainless Steel

RT = Total Rubber Parts

SM = Spring Module

S = Seat

HW = Harsh/Hot Water

## Double Check Assemblies

### 200B

Sizes	<u>Kits Available</u>			
½" – ¾" (listed as RK 719R10)	CK4	RT	S	C
½"	CK4	RT	S	C
¾"	CK4	RT	S	C
1"	CK4	RT	S	C
1 ¼" – 1 ½"	CK4	RT	S	C
2"	CK4	RT	S	C

**2000B.** Some of these have "M" designations

Sizes	<u>Kits Available</u>			
2000B ½"	CK4	RT	C	
2000BM1 ¾" – 1"	CK4	C	RT	
2000BM2 ¾"	CK1	CK2	RT	C
2000BM2 1 ¼" – 1 ½"	CK1	CK2	RT	C
2000BM3 ¾"	CK1	CK2	RT	C

The **C-200, C-200a, M-200, M-200a**, need to have the part numbers looked up or at least see what is available and know what options you have. You can buy check rubber kits which include rubbers only for #1 or #2 checks, and can be interchanged, or you can buy the complete cam check assembly. Other parts are individual.

**For miscellaneous individual parts see breakdowns on Ames site at [www.amesfirewater.com](http://www.amesfirewater.com) or at our website [www.backflow-supply.com](http://www.backflow-supply.com) .**

**2000SS / 2000SE****Parts available**

2 ½" - 4"	#1 Cam Check	#2 Cam Check	Miscellaneous individual parts
6"	#1 Cam Check	#2 Cam Check	Miscellaneous individual parts
8" - 12"	#1 Cam Check	#2 Cam Check	Miscellaneous individual parts

**2000SE 6" takes 2000SS 2 ½" - 4" parts. 2000SE 8" takes 2000SS 6" parts.**

Miscellaneous parts include cam check o-rings (which are included with cam checks, ball valves (test cocks), groove coupler (cover), groove coupler gasket.

**For miscellaneous individual parts see breakdowns on Ames site at [www.amesfirewater.com](http://www.amesfirewater.com) or at our website [www.backflow-supply.com](http://www.backflow-supply.com) .**

**Reduced Pressure Assemblies****400B**

Sizes	<b><u>Kits Available</u></b>									
¼" - ½"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
¾"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
1"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
1 ¼" - 1 ½"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
2"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC

**4000B.** Some of these have an "M" designation.

Sizes	<b><u>Kits Available</u></b>							
4000B ½"	CK1	CK2	RC3	VT	RV	RT	C	
4000B 1"	CK1	CK2	RC1	RC2	VT	RV	RT	C
4000B 1 ¼" - 1 ½"	CK1	CK2	RC1	RC2	VT	RV	RT	C
4000B 2"	CK1	CK2	RC1	RC2	VT	RV	RT	C
4000BM2 1"	CK1	CK2	RC1	RC2	VT	RV	RT	C

4000BM2 ¾"	CK1	CK2	RC3	VT	RV	RT	C
4000BM3 ¾"	CK1	CK2	RC3	VT	RV	RT	C

**4000SS**

**Parts available**

2 ½" – 4"	#1 cam Check	#2 Cam Check	RV Rubber Kit	Miscellaneous individual parts
6"	#1 cam Check	#2 Cam Check	RV Rubber Kit	Miscellaneous individual parts
8" – 10"	#1 cam Check	#2 Cam Check	RV Rubber Kit	Miscellaneous individual parts

Miscellaneous parts include cam check o-rings (which are included with cam checks), ball valves (test cocks), groove coupler (cover) groove coupler gasket, cover plate, relief valve hose, relief valve, and several relief valve individual parts.

**For miscellaneous individual parts see breakdowns on Ames site at [www.amesfirewater.com](http://www.amesfirewater.com) or at our website [www.backflow-supply.com](http://www.backflow-supply.com) .**

The **C-400, M-400**, need to have the part numbers looked up or at least see what is available and know what options you have. You can buy check rubber kits which include rubbers only for #1 or #2 checks, and can be interchanged, or you can buy the complete cam check assembly. Other parts are individual.

**For miscellaneous individual parts see breakdowns on Ames site at [www.amesfirewater.com](http://www.amesfirewater.com) or at our website [www.backflow-supply.com](http://www.backflow-supply.com) .**

## CONBRACO / APOLLO

Conbraco and Apollo are the same company. In 2005 Conbraco changed all the branding of Conbraco and Apollo products to the name of Apollo. The model numbers for many years have been simple to determine what it was by the model number. Generally the number system looks like this: 40-XXX-XX.

The beginning two digits have for many years been "40". Recently there have been some variations so you may find the first digits to be "4S", "4G", "4SG", "4D", "4V", or "4W". These digits are an important part to the model.

Until recently they all began with 40 and the middle section of the numbering system tells us the most about the assembly. In general if you have a 40-100 that means you have a double check assembly. A "1" in the 100 means double check. If it is a "2" it is a reduced pressure assembly. And "5" means that it is a pressure vacuum breaker. If it is a double check detector assembly it would have a "6". If it is a reduced pressure detector assembly it would have a "7".

The middle "0" means that it is a standard assembly or does not have a "Y" strainer. If it does have a strainer it would have a "1" in that position instead of the "0". The last place in the 100 is where the sizing goes. See the chart below. So 40-105 means that the assembly is a 1" double check.

### Sizing Chart:

3 = ½"	4 = ¾"	5 = 1"	6 = 1 ¼"	7 = 1 ½"	8 = 2"
9 = 2 ½"	0 = 3"	A = 4"	C = 6"	E = 8"	G = 10"

The history of the ending two or three letters/numbers (40-XXX-XX(X)) is as follows:

-0X = original models (X could be -01 w/o BV, -02 w/BV, or -04 union ball valves). These do not have replaceable seats.

-AX = replaceable seats with variations as above (early 90's with USC edition 9).

-A2T = not sure what the specifics of this was, but was a top entry assembly.

-99T = movement of test cocks from side of body to top (in 1998) and all had BV shutoffs.

-TX = resignation of 99T to TX with the above ball valve configurations.

The 2 ½" – 10" ending two digits are coded as follows: not sure what the "0" is for but the next number is the one that tells us what type of valves. "1" = less gate valves, "2" = with NRS gates, "3" = with OS&Y gates, "5" = with epoxy coated ball valves, "6" = with OS&Y gate valve on inlet, NRS gate valve with post plate and nut on outlet.

Regardless of the ending "02", "A2", "A2T", "99T", T2", T4" or the others for the larger assemblies the repair kits are the same.

### Repair Kits for the Double Check (40-100 Series) and Reduced Pressure (40-200-02 Series)

*Please review the repair and maintenance manuals that Conbraco/Apollo has created. They have excellent repair and maintenance instructions and breakdowns as well as troubleshooting guides. They can be viewed at our website [www.backflow-supply.com](http://www.backflow-supply.com) or Apollo [www.apollovalves.com](http://www.apollovalves.com)*

Repair kits for the double check and the reduced pressure assemblies have many of the same parts. For assemblies that begin either 40-1XX-XX (40-100-XX, or double check assemblies) or 40-2XX-XX (40-200-XX, or reduced pressure assemblies), the kits are interchangeable for the check portions and the relief valve parts of course are only good on the reduced pressure assemblies.

These kits all have the format as 40-00X-XX. The first "X" is the size and the last two "XX" are the kits.

Size is designated as follows:

3 = ½" (40-003)	A = 4" (40-00A)
4 = ¾" – 1" (40-004)	C = 6" (40-00C)
7 = 1 ¼" – 2" (40-007)	E = 8" (40-00E)
9 = 2 ½" – 3" (40-009)	G = 10" (40-00G)

Kits for the ¼" – 2" are designated as follows:

Complete kit numbers are in the format of 40-00X-AX. First "X" being the size from the table above and the last "X" from the numbers below.

#### Kit Includes

A1 = a RP major repair kit	Assembled relief valve (plastic, rubbers and rv spring), all seats and seat o-rings, both checks (plastic poppet with rubber, screw and washer), cover o-rings. Check springs are <b>not</b> included.
A2 = RP/DC poppet kit	This is one poppet assembly (plastic poppet with rubber, screw, and washer), seat, seat o-ring, and cover o-ring. Check spring <b>is not</b> included.
A3 = RV repair kit	RV repair kit. This is the assembled relief valve (plastic, rubbers, and rv spring) rv seat and rv seat o-ring.

A4 = RP rubber kit	This is rubbers for both checks and relief valve. All rubbers and o-rings are included.
A5 = DC major kit	<b>This kit is also for RP's</b> as they use the same checks and <b><i>springs are not</i></b> included in this kit. This is <b>both</b> poppet assemblies (plastic poppet with rubber, screw, and washer), seat, seat o-ring, and cover o-ring.
A6 = DC rubber kit	<b>This kit is also for RP's.</b> These are the rubber discs, cover o-rings, seat o-rings.
A7 = RP seat kit	Both check seats, relief valve seat and relief valve seat o-rings.
A8 = DC seat kit	Both check seats and seat o-rings. These seats can also be used in the RP checks, if you only need the check seats.

Here are parts for a lesser known ½" DC

<b>4S-103-A2 or DC4S12 or DC-4S</b>		<b><u>Parts Available</u></b>
½"	1 <sup>st</sup> CK Module	F-3228-00
	2 <sup>nd</sup> CK Module	W-4302-00
	#1 CK Module O-ring	D-3885-00
	#2 CK Module O-ring	D-2422-00
	CK Spacer	L-6104-00
	Cap	F-3206-05
	Cap O-ring	D-2568-00

For 2 ½" – 10" 40-100 and 40-200 assemblies kits are designated as follows:

Complete kit numbers are in the format of 40-00X-0X. First "X" being the size from the table above and the last "X" from the numbers below.

01 = 1 <sup>st</sup> check valve kit	This is the complete #1 check assembled. Spring, rubber disc, cover o-ring.
02 = 2 <sup>nd</sup> check valve kit	This is the complete #2 check assembled. Spring, rubber disc, cover o-ring.
03 = seat kit	This is one seat for either check, seat o-ring and cover o-ring.
04 = check rubber kit	This is rubbers for both checks and cover o-ring.

05 = RV repair kit                      This is the complete RV assembly assembled. Plastic, rubbers, o-rings, spring, and RV seat or seat o-ring.

06 = RV rubber kit                      This is just the RV rubbers.

**For the 4S and 4D models refer to repair and maintenance booklets.**

### **Pressure Vacuum Breakers**

There are two different models of PVB's that Apollo makes. The original one that they made is a model 40-50X-02 (or the 40-500 series). "X" is the size as listed in the sizing chart above. The most recent model is a 4V-500-02 (or 4V-500 series). The 4V-500 series is a freeze resistant model. Unfortunately, this numbering system is not **always** listed as the model on the tag. Sometimes the model is listed as a "PVB". To make it even more confusing sometimes on the 40-500 series it was listed as "PVB" also. It is helpful to look in the maintenance booklets to make sure you know which one you have.

#### **40-500 Series**

<b>Size</b>	<b><u>Part Number</u></b>	<b><u>Kit Includes</u></b>
½" - 1"	40-500-01	Rubbers for check, float, and bonnet o-ring.
	40-500-02	Major repair kit. All internal parts below the cap (bonnet assembly that thread into the body), except for the retainer that holds the check in.
1 ¼" – 2"	40-500-03	Rubbers for check, float, and bonnet o-ring.
	40-500-04	Major repair kit. All internal parts below the cap (bonnet assembly that thread into the body), except for the retainer that holds the check in.

#### **4V-500 Series**

<b>Size</b>	<b><u>Part Number</u></b>	<b><u>Kit Includes</u></b>
½" – ¾"	4V-500-01	Check valve repair kit. Complete check.
1"	4V-500-02	Check valve repair kit. Complete check.
½" – 1"	4V-500-03	Air inlet repair kit. This is the cap and float assembly complete.
1 ¼" – 1 ½"	4V-500-05	Air inlet repair kit. This is the cap and float assembly complete.
1 ¼" – 1 ½"	4V-500-06	Check valve repair kit. Complete check.
2"	4V-500-07	Check valve and seat kit. Complete check and seat.
2"	4V-500-09	Air inlet repair kit. This is the cap and float assembly complete.

## Febco

Febco does not appear to have a “kit system” like Ames, Apollo, Watts, and Wilkins has. **For Febco you really need to consult the repair and maintenance manuals that Febco has created. You can view them at our web site [www.backflow-supply.com](http://www.backflow-supply.com) or from Febco’s web site [www.febconline.com](http://www.febconline.com).** You can even view the contents of what is in the kits. To view the manuals from Febco’s site click on products and select the type of assembly that you are looking for. Then from the next window that opens up select the assembly.

From the next screen below the description is a link for “find a repair kit for this product”. This is where you go to see pictures of what is in repair kits. It lists individual items, repair kits, size and part numbers and a link to open the picture of the item or kit. This is a great tool!

Below that is the link for the “operation and maintenance manual” for trouble shooting, repair and maintenance information, etc.

Beyond this Febco has several kits that if it works for the checks on a double check assembly and they will work for the checks on the reduced pressure assembly as well. As long as it doesn’t have the spring with it, it will work for either check. Here is a list of these:

805Y ¾” – 2” kits	work in	825Y of same size
850 ½” – 2” kits	work in	860 of same size
805YD 2 ½” 10” kits	work in	825YD of same size

On the 2 ½” – 10” 850, 860, 870 and 880 kits do not interchange except for a couple of exceptions. Again, the repair and maintenance manuals need to be consulted.

## Flomatic

I do not know of any easy way to explain how the kits are set up for Flomatic. The best clue I can tell you is to **review their repair and maintenance booklet. Yes, you can find it at our web site, [www.backflow-supply.com](http://www.backflow-supply.com) or go to Flomatic’s site [www.flomatic.com](http://www.flomatic.com).** Click on “downloads” from the left hand side of the screen. Then click on “literature” then download the “operation & maintenance manual”

## Hersey

Hersey is no longer in the backflow business. MIFAB has acquired the backflow line from them. Currently they are not manufacturing the assemblies and I do not know if they plan to. There are no hard parts available from MIFAB only rubber parts. These are sold as rubber total kits. That means if it is a double check it has rubbers for both checks. If it is an RP assembly it has rubbers for both checks and the RV. Below is the list of rubber kits and for what assembly and size.

65671	¾" – 1"	FDC rubber kit	63643	6"	6CM rubber kit – BRZ
65672	1 ½"	FDC rubber kit	63850	8"	6CM rubber kit
65673	2"	FDC rubber kit	63950	10"	6CM rubber kit
65668	¾" – 1"	FRP II rubber kit	61225	1"	6C rubber kit
65669	1 ¼" – 1 ½"	FRP II rubber kit	61226	1 ½"	6C rubber kit
65670	2"	FRP II rubber kit	61227	2"	6C rubber kit
63351	3"	Model NO. 2 rubber kit	61228	2 ½"	6C rubber kit
63451	4"	Model NO. 2 rubber kit	61229	3"	6C rubber kit
63851	8"	Model NO. 2 rubber kit	61230	4"	6C rubber kit
63951	10"	Model NO. 2 rubber kit	61231	6"	6C rubber kit - CI
63651	6"	Model NO. 2 rubber kit	61232	6"	6C rubber kit - BRZ
63543	2 ½"	6CM rubber kit – CI	61233	8"	6C rubber kit
63550	2 ½"	6CM rubber kit – BRZ	61234	10"	6C rubber kit
63350	3"	6CM rubber kit – CI			
63343	3"	6CM rubber kit – BRZ			
63450	4"	6CM rubber kit – CI			
63443	4"	6CM rubber kit – BRZ			
63650	6"	6CM rubber kit – CI			

Repair and maintenance books for Hersey can be found on our web site [www.backflow-supply.com](http://www.backflow-supply.com).

**Watts Assemblies**

Here is the key to the labeling of Ames and Watts repair kits. “RK” means repair kit. (For Ames it will be “ARK”. Any guess what the “A” stands for?) Following the RK is the model number, including any “M” designations. Some Ames and Watts assemblies have an “M” series as part of the model. It could be an M1, M2, or M3. It is important that this is given as the model number as kits are different. Also on Watts’s assemblies “QT” is often listed and this means “quarter turn” ball valves. It is not an important part of the model. It is also misread as “OT” or “OT” or “O1” or O1”. Then the following letters designates the kit contents. Then the size must be listed to complete the repair kit number. Example: RK 009M2 RT ¾”.

**Kit Content Codes**

- |                              |   |
|------------------------------|---|
| B = Bonnet Assembly          | T = Total   |
| C = Cover                    | 1 = First Check                                     |
| V = Vent or Relief Valve     | 2 = Second Check                                    |
| CK = Check or spring         | 3 = Both 1 <sup>st</sup> and 2 <sup>nd</sup> Check  |
| RC = Rubber for Check        | 4 = Either 1 <sup>st</sup> or 2 <sup>nd</sup> Check |
| RV = Rubber for Relief Valve | SS = Stainless Steel                                |
| RT = Total Rubber Parts      | SM = Spring Module                                  |
| S = Seat                     | HW = Harsh/Hot Water                                |

When the size is listed after as ¾” – 1” it means that these two sizes take the same kit. For example an RK 007M1 RT ¾” – 1” is a rubber total kit for a ¾” or 1” 007M1.

The grouping of sizes below means that it is the same kit.

**Double Checks**

**007 Series.** Some of these have an “M” designation.

	<u>Kits Available</u>					
007 ½”	CK4	RT	C			
007 ¾” – 1”	CK1	CK2	RT	C		
007 1 ½” – 2”	CK1	CK2	RT	C		
007 2 ½” – 3”	CK1	CK2	RT	C	S1	S2
007M1 ¾” – 1”	CK4	C	RT			

007M1 1 ½" – 2"	CK1	CK2	RT	C
007M2 ¾"	CK1	CK2	RT	C
007M2 1 ¼" – 1 ½"	CK1	CK2	RT	C
007M3 ¾"	CK1	CK2	RT	C

**709 Series.** No "M" designations

	<u>Kits Available</u>				
¾" – 1"	CK4	RT	S4	C1	C2
1 ½" – 2"	CK4	RT	S4	C1	C2
2 ½" – 3"	CK4	RT	RC4	S	C
4" & 6" & 8" & 10"	CK4	RT	RC4	S	C

**719 Series.** No "M" designations

Sizes	<u>Kits Available</u>			
½" – ¾" (listed as RK 719R10)	CK4	RC4	S	C
½"	CK4	RC4	S	C
¾"	CK4	RC4	S	C
1"	CK4	RC4	S	C
1 ¼" – 1 ½"	CK4	RC4	S	C
2"	CK4	RC4	S	C

**757, 757DCDA Series.** No "M" designations

	<u>Kits Available</u>			
2 ½" -4"	CK1	CK2	RC4	C
6"	CK1	CK2	RC4	C

8"	CK1	CK2	RC4	C
10"	CK1	CK2	RC4	C

**757a, 757aDCDA Series.** No "M" designations

**Kits Available**

2 ½" – 4"	CK1	CK2	RC4	C
6"	CK1	CK2	RC4	C

**774, 774DCDA Series.** No "M" designations

**Kits Available**

2 ½" – 4"	CK1	CK2	C
6"	CK1	CK2	C
8" – 12"	CK1	CK2	C

**Reduced Pressure Assemblies**

When the size is listed after as ¾" – 1" it means that these two sizes take the same kit. For example an RK 009M2 RT 1 ¼" – 1 1/2" is a rubber total kit for a 1 ¼" – 1 ½" 009M2.

The grouping of sizes below means that it is the same kit.

**009 Series.** Some of these have "M" designation.

Sizes	<b><u>Kits Available</u></b>									
009 ¼" – ½"	CK1	CK2	RC3	VT	RV	RT	C			
009 ¾" – 1"	CK1	CK2	RC1	RC2	VT	RV	C			
009 1 ¼" – 2"	CK1	CK2	RC1	RC2	VT	RV	RT	C		
009 2 ½" – 3"	CK1	CK2	RC1	RC2	RT	S1	S2	VT	RV	C
009M1 1 ¼" – 2"	CK1	CK2	RC1	RC2	VT	RV	RT	C		
009M2 ¾"	CK1	CK2	RC3	VT	RV	RT	C			
009M2 1"	CK1	CK2	RC1	RC2	VT	RV	RT	C		
009M2 1 ¼" – 1 ½"	CK1	CK2	RC1	RC2	VT	RV	RT	C		

009M2 2"                      CK1    CK2    RC1    RC2    VT    RV    RT    C

**909 Series.** Some of these have "M" designation. 3/4" – 2" also may have a "HW" designation.

Sizes	<u>Kits Available</u>									
3/4" – 1"	CK1	CK2	RC3 (HW)	RT	S	C1	C2	RV	VT	SV
1 1/4"-2" & M1*	CK1	CK2	RC3 (HW)	RT	S	C1	C2	RV	VT	SV
2 1/2" – 3"	CK1	CK2	RC1	RC2	S	C	RV	VT	RT	
4" & 6 & 8" & 10"***	CK1	CK2	RC1	RC2	S	C	RV	VT	RT	

\*909M1 1 1/4" -2" these are the same parts as the standard 909.

\*\*909M1 4" – 10" only parts that have the M1 designation are the "RT", "RV", and "VT" Kits.

**919**

Sizes	<u>Kits Available</u>									
1/4" – 1/2"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
3/4"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
1"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
1 1/4" – 1 1/2"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC
2"	CK1	CK2	RC4	S	RT	C	VT	RV	SV	VC

**957**

Sizes	<u>Kits Available</u>						
2 1/2" – 4"*	CK1	CK2	RC4	C	RT	VT	RV
6" & 8" 10"	CK1	CK2	RC4	C	RT	VT	RV

\*These kits come in black rubber (EPDM) or red rubber (silicone). EPDM is standard on 2 1/2" – 6" assemblies but silicone can be ordered for 2 1/2" – 6" assemblies and the repair kit is designated by "RS" at the end of the part number. Silicone is standard 8" – 10". Silicone has a wider temperature range. Solvents and oils affect silicone more than EPDM.

**994**

Sizes	<u>Kits Available</u>				
2 ½" – 4"	CK1	CK2	C	RV	VT
6"	CK1	CK2	C	RV	VT
8" – 10"	CK1	CK2	C	RV	VT

**Spill Resistant Vacuum Breaker****008PC ("PC" stands for polymer coating)**

Sizes	<u>Kits Available</u>	
3/8" – ½"	T	B
¾" – 1"	T	B

**Pressure Vacuum Breaker****800M4**

Sizes	<u>Kits Available</u>					
½" – ¾"	CK	V	FRV	B	RT	S
1"	CK	V	FRV	B	RT	S
1 ¼" – 2"	CK	V	FRV	B	RT	S

**800M3**

Sizes	<u>Kits Available</u>			
½" – ¾"	CK	V	B	RT

**800M2**

Sizes	<u>Kits Available</u>			
½" – 1"	CK	V	B	RT
1 ¼" – 2"	CK	V	B	RT

**800**

Sizes	<u>Kits Available</u>			
½" – 1"	CK	V	B	RT
1 ¼" - 2"	CK	V	B	RT

**Pictures of Watts Kits Contents**



709/909 3/4" – 2" CK1/CK2/CK4 KIT. Original models had brass poppet assemblies.  
1 1/4" – 2" parts have brass poppet assemblies instead of plastic.



709 3/4" – 2" "RT" Rubber total kit. 1 1/4" – 2" poppet assemblies are brass not plastic.  
909 3/4" – 2" "RC3" (HW kits have brass poppet's instead of plastic). 1 1/4" – 2".



909 3/4" – 2" "RV" rubber kit



909 3/4" – 1" "RT" Rubber total total kit



kit. 909 1 1/4" – 2" "RT" Rubber



909 3/4" – 2" "VT" relief valve total



709/909 3/4" – 2" "S" Seat Kit



709/909 2 1/2" – 10" CK4/CK1/CK2



709/909 "S" Seat 2 1/2" – 10"



909 "VT" (relief valve) total 2 1/2" – 3"



709/909 2 1/2" – 10" "RC4"



909/909M1 "VT"(relief valve) total kit 4" – 10"



007/009 1/2" "RT" rubber total for 007 and "RC3" for 009



007/009 Series CK1/CK2/CK4

With the different series the example, black plastic, brass



3/4" – 1"

appearance maybe different. For poppet instead of plastic poppet.



007/009 2 1/2" – 3" "S" Seat. This recently has been changed to a black plastic seat instead of the brass.



007/009 2 1/2" – 3" "CK1" or "CK2".

Recently, the brass seat has been changed to a black plastic one.



3/4" – 2" 007 Series "RT"rubber total and 009 Series Some 009 series kits do not come as a "RC3" but as a "RC2". Also note that some poppet assemblies will be instead of plastic or black plastic instead of white.



"RC3" kit. "RC1" or brass



009 series 1/2" – 3" "VT" relief valve total kit. Depending on the size and age of the assembly the stem assembly could be white or made from brass.



009 series 1/2" – 3". "VT" relief valve rubber kit.

## Wilkins

Wilkins repair kit numbering system is fairly simple to understand. The repair kit part number starts with "RK" which stands for repair kit. The next numbers are the size. If it fits more than one size it is the smaller of the two sizes that are used. For example, generally the repair kits sizing are as follows:

¼" – ½"	RK14-XXXXX	4"	RK4-XXX
¾" – 1"	RK34-XXXXX	6"	RK6-XXX
1 ¼" – 2"	RK114-XXXXX	8"	RK8-XXX
2 ½" – 3"	RK212-XXXXX	10"	RK10-XXX
2 ½" – 6"	RK212-XXXXX (RV Kits)		

The next part after the "-“ is the model. An example is 950XL, or 975XL. The last letter(s) is the kit as follows:

Model # only	If it is just the model number it is called a complete kit which means it is rubbers for both checks and/or with the relief valve rubbers and springs for both checks and relief valve. Example: RK34-975XL. On 2 ½" and larger the RV complete (includes rubbers and spring) and it does not have a "C" after it. Example RK212-975.
C = Complete kit.	This truly is a complete kit. Both poppets, seats, springs, RV assembly and all rubbers.
R = Rubber total kit.	For the ¼" – 2" whether it is rubbers for a double check, both check rubbers would be included. If it is a reduced pressure assembly it will come with both check rubbers and relief valve rubber.  On 2 ½" and larger the "R" on the "RV" kit is rubbers just for the relief valve assembly.  On 2 ½" and larger the check rubbers do not have an "R" after the model number. (Example: RK3-950 is the part number for the check rubber for a 3" 950.)
SK=Seat kit.	If it is a double check assembly it has seats and o-rings for both checks. If it is a reduced pressure assembly it will also have the RV seat and o-ring.

Wilkins has several individual items or complete items, such as poppet assemblies, RV assemblies, seats, etc. To get the part numbers you need to **review their "Backflow Parts" book. It has good breakdowns and individual part numbers. You can view it at our web site [www.backflow-supply.com](http://www.backflow-supply.com) or from Wilkins site [www.zurn.com](http://www.zurn.com)** . Click on the "Wilkins Water Control" icon, and then click on the "products

catalog” from the listing on the left side of the page. Then click on the “Backflow Preventers” icon and select the assembly you need from the list. In the drop down window under the assembly you need parts for you can select from several different options, but for the repair kits and breakdown select “Repair Parts”.

### Pictures of Wilkins Kit Contents



950XL/975XL ¾” – 2” (“R”) check rubber kit. On the original 950/975 the check rubbers would be black.



975XL ½” – 2” “R” rubber kit. On the original 975 the check rubbers and rv disc would be black.



975XL ½” – 2” “Complete kit”



975XL ¾” – 2” Real Complete Kit. This has every rubber, plastic part and springs.



950XL/975XL ½” – 2” SK” seat kit.



420 ½” – 1” complete kit.



420 ½” – 1” rubber kit.



720A 1/2" - 2" complete kit. This is the only kit they make for this model.



350 1" "R" rubber kit.



350 3/4" - 2" complete repair kit.



375 3/4" - 2" "R" rubber kit.