

WATTS 995

SIZE

1/2", 3/4", 1", 1 1/4", 1 1/2", 3", 4", 6"

DESCRIPTION

This is a reduced pressure assembly. Production began in 1998. The 3"-6" was discontinued in 2003. The 1/2"- 1 1/2" was discontinued in 2009. In the 1/2"-1 1/2" size the body is made of copper tubing which is nickel plated. There is a single cover for the checks. The checks are modular in construction so the springs will be contained and the seats are replaceable. The check modules thread into the body. The relief valve is attached to the check body by a union and utilizes an external sensing line. The 3"-6" size utilizes a stainless steel body. The checks are modular and are accessed from the single access cover. The checks are repairable and screw into the body. The relief valve is pressurized from an external sensing line. The relief valve is mounted between the two checks and is located under the cover.

BASIC REPAIR KIT

The repair kit contains disc holders or discs, diaphragm, and O-rings

<u>SIZE</u>	<u>KIT NO</u>
1/2"-3/4"	995-RT050
1"	995-RT100
1 1/4"-1 1/2"	995-RT125 ◆
3"-4"	995-RT300 ◆
6"	995-RT600 ◆

IMPORTANT FEATURES

~1/2"-2" nickel plated copper tube body

~3"-6" stainless steel body

~Modular checks

~Factory repair information enclosed



Series 995

Reduced Pressure Backflow Preventer

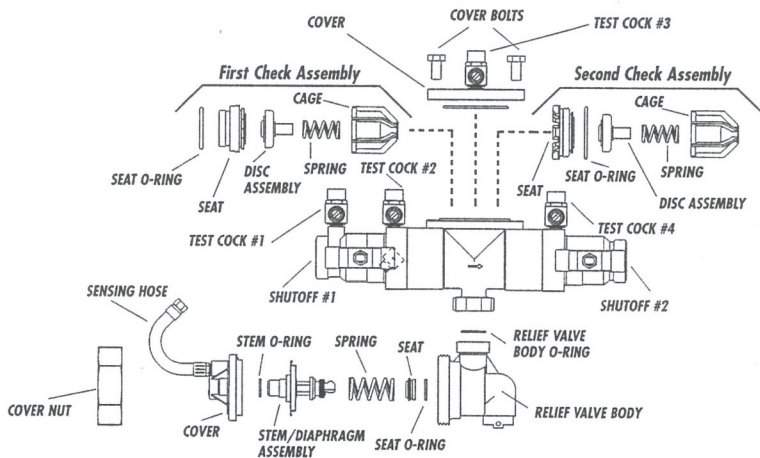
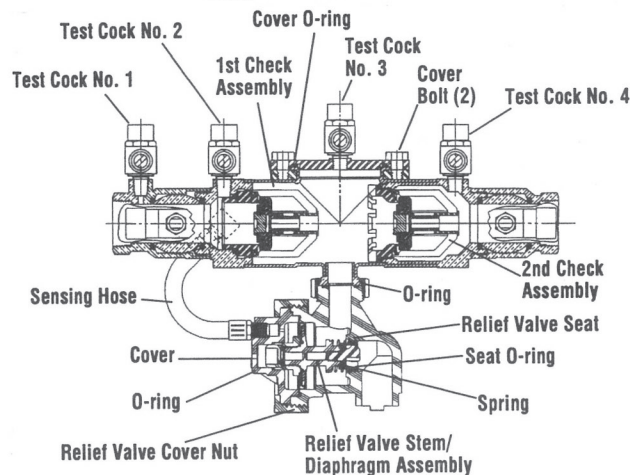
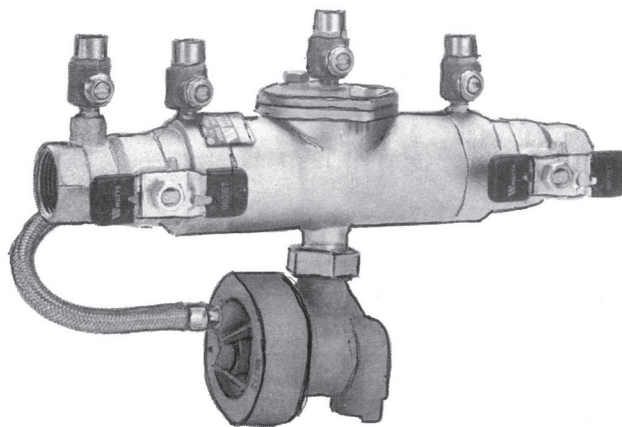
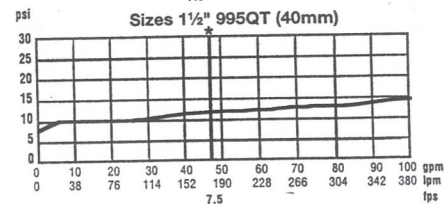
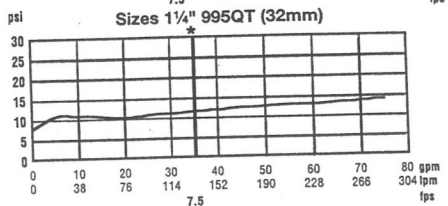
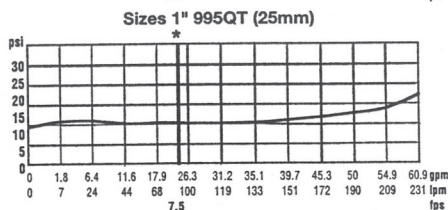
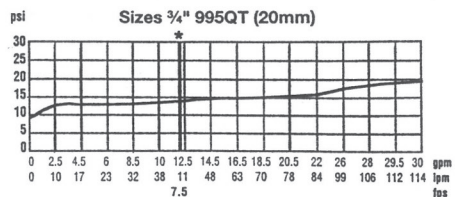
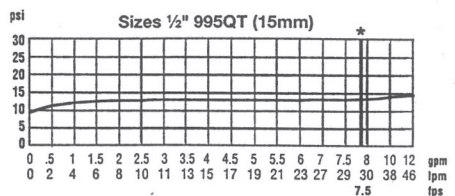
Sizes: 1/2" through 1 1/2" (15-40mm)

FEATURES

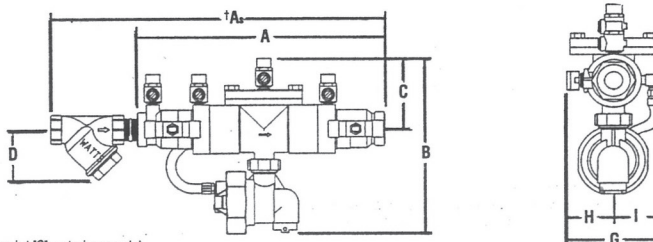
- ❖ Tubular lead free copper body creates smooth flow path and low head loss.
- ❖ External/internal electroless nickel-plated body acts as an oxygen barrier for corrosion resistance.
- ❖ Threaded-in check modules eliminate the use of check retainers for lower pressure loss.
- ❖ Bottom mounted relief valve reduces end-to-end dimensions allowing smaller enclosures and space requirements.
- ❖ Separate relief valve access cover allows the check modules to be serviced independently of the relief valve.
- ❖ Unique relief valve cover nut design eliminates use of cover bolts and simplifies alignment.
- ❖ Flexible stainless steel braided hose, senses supply pressure at the mid-point of the body to reduce fouling.
- ❖ Check relief valve seats are replaceable without the use of special tools.
- ❖ Modular check valves feature captured springs and replaceable disc rubber.
- ❖ Bolted on, top entry stainless steel check valve cover features an o-ring seal to limit torque requirements.
- ❖ Crush seal check module o-ring for positive seating.

PRESSURE - TEMPERATURE

Suitable for supply pressure up to 175 psi (12 bars) and water temperatures up to 180°F continuous.



DIMENSIONS - WEIGHT



†Subscript 'S' = strainer model

Model No.	Size (DN)	Dimensions (Approx.)										Weight						
		A		B		C		D		G				H		I		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.		
995QT	½	15	9	228	7¼	184	2½	67	—	—	3½	92	1¼	41	2	51	4.75	2.2
995QT-S	½	15	12	304	7¼	184	2½	67	3	76	3½	92	1¼	41	2	51	5.75	2.6
995QT	¾	20	9	228	7¼	184	2½	67	—	—	3½	92	1¼	41	2	51	4.75	2.2
995QT-S	¾	20	12½	317	7¼	184	2½	67	3	76	3½	92	1¼	41	2	51	6.50	3.0
995QT	1	25	11½	292	8⅝	205	3⅝	84	—	—	4½	105	2	51	2½	54	7	3.2
995QT-S	1	25	16¼	413	8⅝	205	3⅝	84	3¼	83	4½	105	2	51	2½	54	9	4.1
995-QT	1¼	32	15¾	390	11	279	4½	113	—	—	6	152	3¼	82	2¾	69	18¼	8.2
995-QTS	1¼	32	19¾	504	11	279	4½	113	3½	89	6	152	3¼	82	2¾	69	22¼	10.1
995-QT	1½	40	15¾	390	11	279	4½	113	—	—	6	152	3¼	82	2¾	69	18¼	8.2
995-QTS	1½	40	20¼	514	11	279	4½	113	4	102	6	152	3¼	82	2¾	69	23¼	10.7

Series 995

Reduced Pressure Zone Backflow Preventer

Sizes: 3" - 6" (80 - 150mm)

MATERIALS

All internal metal parts: 300 Series stainless steel
Main valve body: 300 Series stainless steel
Check assembly: Noryl
Flange dimension in accordance with AWWA Class D

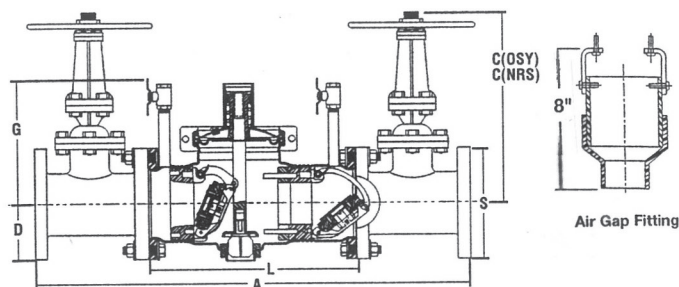
PRESSURE - TEMPERATURE

Suitable for supply pressures up to 175 psi (12.1 bars)
and water temperature to 140°F (60°C) continuous.

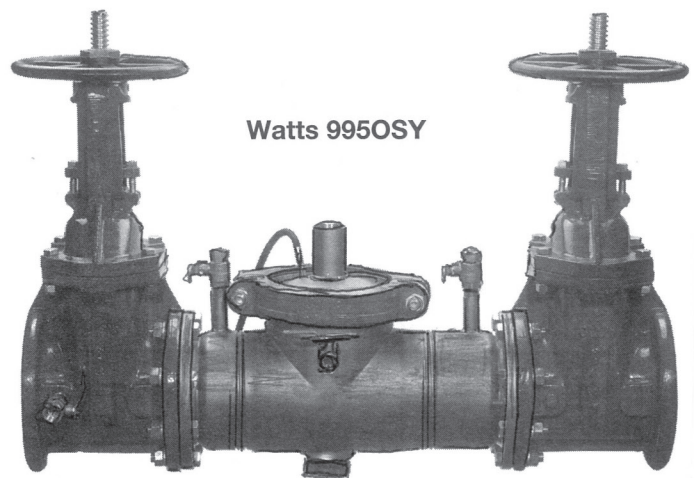
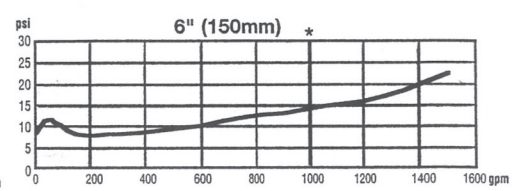
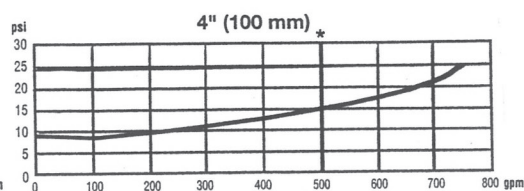
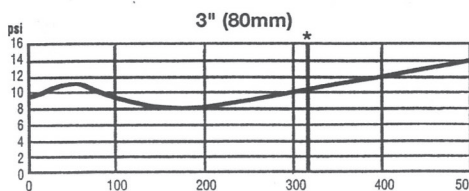
FEATURES

- 40% shorter lay length for low installation cost-ideal for retrofit and enclosure installations.
- Light weight stainless steel body reduces handling and shipping costs versus cast iron valves.
- Patented DynaFloat™ torsion spring check valve minimizes head loss and includes "edge protection" to prevent wear of the disc rubber due to back pressure.
- Center-loaded stainless steel center pivot arm distributes check valve spring load evenly for repeatable trouble free operation.
- Stainless steel body provides long term corrosion protection and maximum strength, eliminates need for epoxy coatings and the associated voids and pin holes.
- Threaded-in check modules, no need for retaining wires and difficult to remove clips.
- Reversible check disc rubber.
- Single top access cover with two bolt grooved style coupling for ease of maintenance.
- Stainless steel and thermoplastic check valve construction for corrosion resistance.
- No special tools required for servicing.
- In-line relief valve reduces installation clearance requirements.
- Lead free body is 60% lighter than competitive designs.
- Bulkhead-mounted relief valve seat allows for simple removal.
- Dia-Seal™ relief valve design minimizes parts and reduces maintenance time.

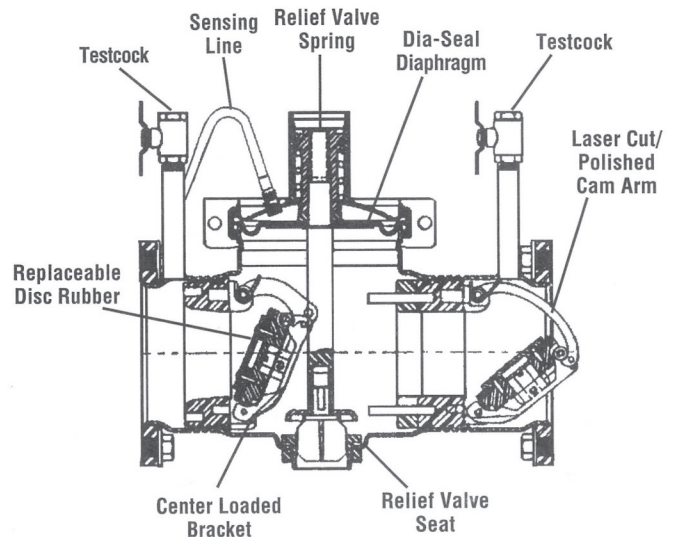
DIMENSIONS - WEIGHT (approximate)



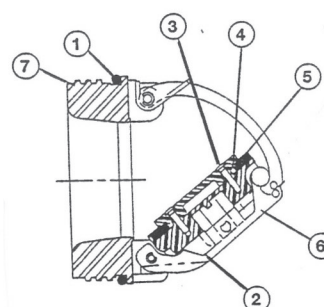
Size in. mm	Dimensions										Net Weight w/Gates		Net Weight w/o Gates					
	A		C (OSY)		C (NRS)		D		G		L		S		lb.	kg.	lb.	kg.
3 80	36 1/4	918	18 1/4	479	12 3/4	314	3 1/4	95	10 1/4	268	20	508	7 1/4	191	194	88	47	21
4 100	34 1/4	879	22 3/4	578	14 3/4	375	4 1/4	114	10 1/4	268	16 1/4	419	9	229	259	118	46	20.8
6 150	43 3/4	1108	30 3/4	765	19	483	5 1/4	140	12 1/4	318	22 1/4	572	11	279	408	185	87	40



Watts 995OSY

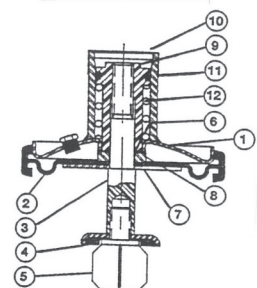


Checks



Item	Part Description
1.	1st Cam-Check O-ring (removable)
2.	Clapper Assembly (removable)
3.	Clapper Retaining Plate Screws (removable)
4.	Clapper Retainer Plate (removable)
5.	Clapper Disc (removable)
6.	Pivot Arm Pin (removable) 2 c-clips
7.	2nd Cam-Check O-ring (removable)

Relief Valve



Item	Part Description
1.	Cover
2.	Diaphragm/Gasket
3.	Shaft
4.	Sealing Disc
5.	Guide, Lower
6.	O-ring
7.	Support Disc
8.	Disc, Diaphragm Stop
9.	Guide, Upper
10.	Cover, Dust
11.	O-ring, Upper
12.	Spring