

WATTS 993 RPDA

SIZE

4", 6"

DESCRIPTION

This is a reduced pressure detector assembly. The assembly was produced from 1998-1999. The mainline assembly is similar to the model 993. The bypass utilizes either the 3/4" Model 009M2 or the 009 M3.

BASIC REPAIR KIT

Mainline repair kit contains rubber discs, diaphragm, and O-rings.

<u>SIZE</u>	<u>KIT NO</u>
4"	993-RT400 ♦
6"	993-RT600 ♦

Bypass repair kit contains check disc holders, RV disc, diaphragm, and O-rings.

<u>SIZE</u>	<u>KIT NO</u>
3/4" 009M2	009M2-RT075
3/4" 009M3	009M3-RT075

IMPORTANT FEATURES

~Mainline assembly: See 993

~Bypass assembly: See either 009M2 or 009M3

~Factory repair information enclosed



Series 993 RPDA

Reduced Pressure Detector Assembly

Sizes 4", 6" (100, 150mm)

Series 993RPDA Reduced Pressure Detector Assembly is designed for use in accordance with water authority containment programs. This series can be used to prevent the reverse flow of fire protection system substances, i.e., glycerin wetting agents, stagnant water and water of non-potable quality from being pumped or siphoned in the potable water supply.

FEATURES

- Fused epoxy coated cast iron body
- Replaceable bronze seats
- Stainless steel internal parts
- Captured springs for safety
- No special tools required for servicing
- Grooved ends available
- Compact bottom-mounted relief valve to reduce clearance requirements
- Compact construction reduces lay length by as much as 70%
- Field proven check/relief valve components for reliability and parts inventory reduction
- Lower installed cost in outdoor installations due to elimination of two elbows, two valve supports, use of shorter spools and smaller enclosure
- Detects underground leaks that historically have been a great annual cost due to waste
- Provides a detection point for unauthorized water use. It can help locate illegal taps
- GPM or CFM meter available
- Furnished with 5/8" x 3/4" bronze meter

AVAILABLE MODELS

Suffix:

- G - with grooved ends (OS&Y)
- OSY - with (UL/FM) outside stem & yoke resilient seated valves
- CFM - with cubic feet per minute meter
- GPM - with gallons per minute meter

MATERIALS

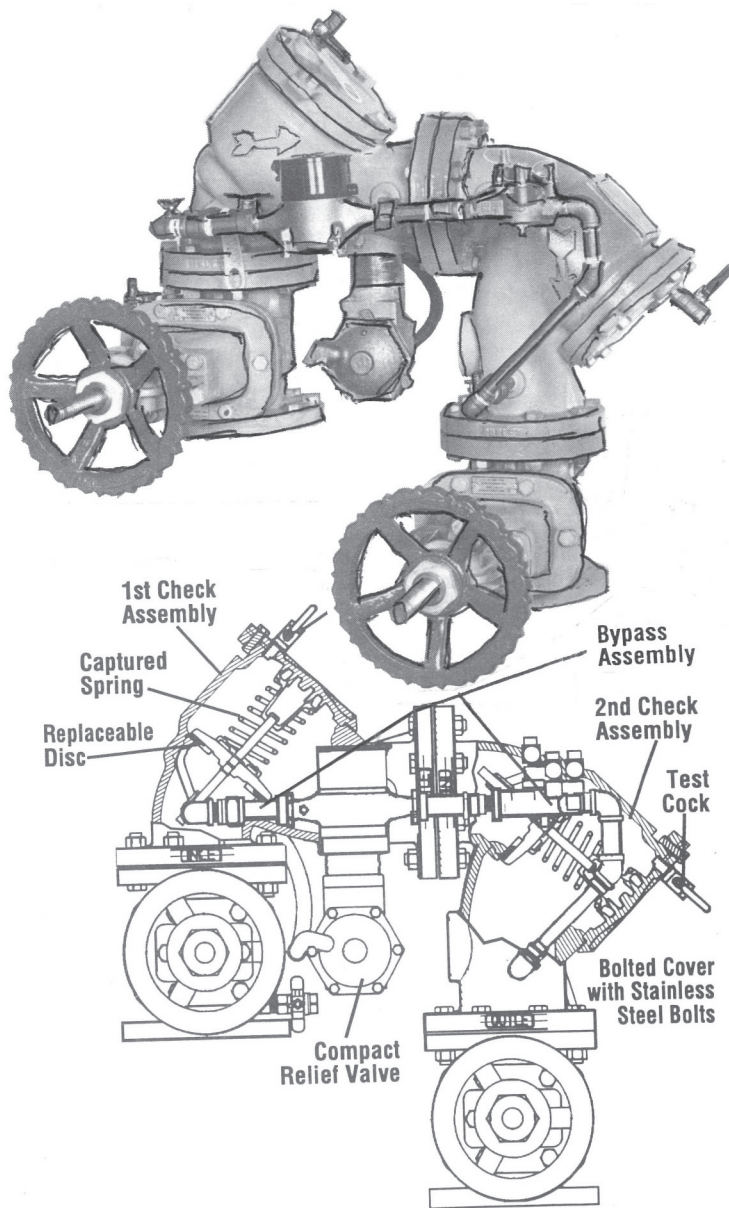
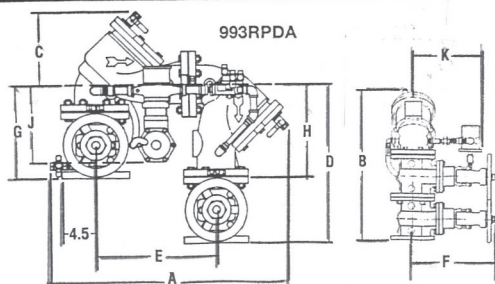
Series 993 have FDA approved epoxy coated cast iron check valve bodies with bronze seats and bronze relief valve with stainless steel trim.

All sizes furnished with bronze body ball valve test cocks.

PRESSURE - TEMPERATURE

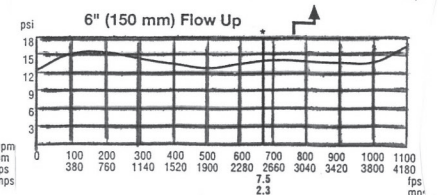
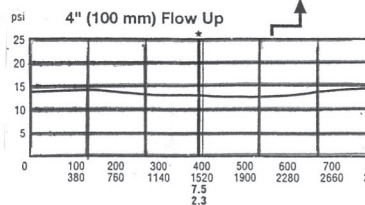
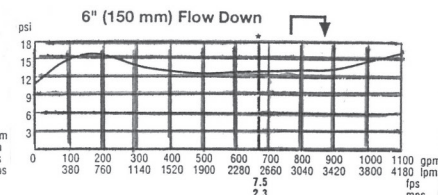
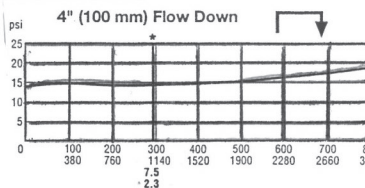
Suitable for supply pressure up to 175 psi (12.1 bars) and water temperatures to 110°F (43°C) continuous, 140°F (60°C) intermittent.

DIMENSIONS - WEIGHTS (approximate)



CAPACITY

* Typical maximum system flow rate (7.5 feet/sec.)



Model	Size inches / mm	A inches / mm	B inches / mm	C inches / mm	D inches / mm	E inches / mm	F (open) inches / mm	F (close) inches / mm	G inches / mm	H inches / mm	J inches / mm	K inches / mm
993RPDA-OSY-GPM	4 / 100	32 1/4 / 819	31 1/4 / 803	10 / 250	21 1/4 / 549	16 1/4 / 413	23 1/4 / 603	19 1/4 / 489	12 1/4 / 324	12 1/4 / 318	10 1/4 / 267	13 1/4 / 348
993RPDA-OSY-CFM	4 / 100	32 1/4 / 819	31 1/4 / 803	10 / 250	21 1/4 / 549	16 1/4 / 413	23 1/4 / 603	19 1/4 / 489	12 1/4 / 324	12 1/4 / 318	10 1/4 / 267	13 1/4 / 348
993RPDA-OSY-GPM	6 / 150	38 1/4 / 979	38 1/4 / 986	12 1/4 / 327	25 1/4 / 659	20 1/4 / 511	32 1/4 / 826	27 / 656	15 1/4 / 389	15 1/4 / 389	11 1/4 / 303	16 1/4 / 428
993RPDA-OSY-CFM	6 / 150	38 1/4 / 979	38 1/4 / 986	12 1/4 / 327	25 1/4 / 659	20 1/4 / 511	32 1/4 / 826	27 / 656	15 1/4 / 389	15 1/4 / 389	11 1/4 / 303	16 1/4 / 428

Size inches / mm	Weight lbs. / kg.
4 / 100	425 / 193
6 / 150	480 / 218