

WATTS 990 RPDA

WATTS 992 RPDA

SIZE

4", 6", 8", 10"

DESCRIPTION

This is a reduced pressure detector assembly. It was produced from 1993-1997. The main valve unit is similar to the 990/992 series. The bypass unit utilized is either the 009 3/4" or the 009M2 3/4" assembly.

BASIC REPAIR KIT

Main line repair kit contains clapper plates, gaskets, O-rings, diaphragm, and relief disc.

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
4" 990 RPDA	990-RT400 ◆	AGF
4" 992 RPDA	990-RT400 ◆	AGF
6" 990 RPDA	990-RT600 ◆	AGF
6" 992 RPDA	990-RT600 ◆	AGF
8" 990 RPDA	990-RT800	AGK
8" 992 RPDA	990-RT600 ◆	AGK
10" 992 RPDA	990-RT800	AGK

Bypass repair kit contains disc holders, diaphragm, and O-ring

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

IMPORTANT FEATURES

~Main line assembly see 990/992

~Bypass assembly see 009 M2

~Factory repair information enclosed



Series 990RPDA

REDUCED PRESSURE DETECTOR ASSEMBLY

Sizes: 4", 6", 8"

Series 990 RPDA is designed exclusively for use in accordance with water utility authority containment requirements. Its use prevents 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 into the potable water line.

BENEFITS: Detects leaks . . . with emphasis on the cost of unaccountable water; incorporates a meter which allows the water utility to:

- Detect leaks, minimizing the losses that can occur due to water damage or sprinkler system failure.
- Provide a detection point for unauthorized use.

Modular check design concept facilitates maintenance and assembly access. All sizes are standardly equipped with AWWA epoxy coated UL/FM listed OS&Y resilient wedge gate valves, CFM (cubic feet per minute) meter or optional GPM (gallon per minute) meter and ball type test cocks. A pressure differential relief valve is located in a zone between the check valves.

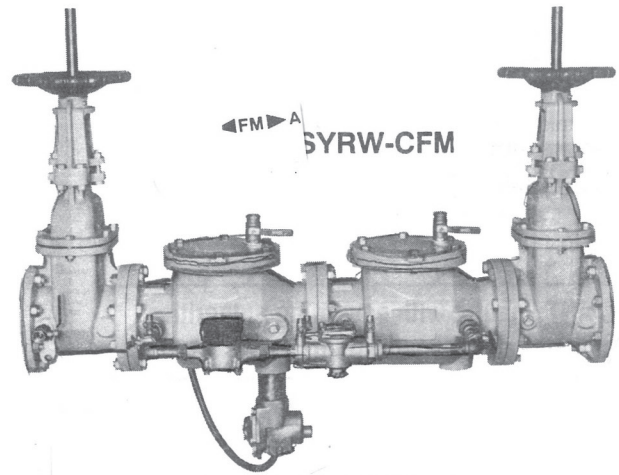
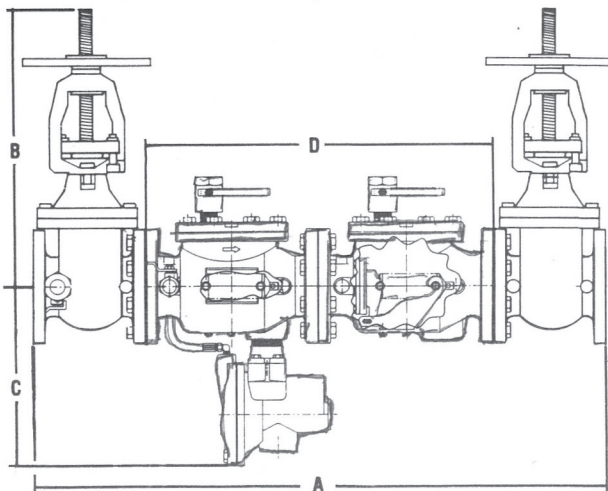
MODULAR DESIGN

Features a modular design concept which facilitates maintenance and assembly access. Two bolts remove the stainless steel check internals. Each module contains a spring sub-assembly featuring a captured spring for safety and ease of maintenance.

FEATURES

- Fused epoxy coated ductile iron body
- Replaceable seats & discs in mainline and bypass assemblies
- Stainless steel internal parts
- Maximum flow at low pressure drop
- Compact for economy, combined with performance
- Design simplicity for easy maintenance
- Furnished with 5/8" x 3/4" meter

DIMENSIONS - WEIGHTS

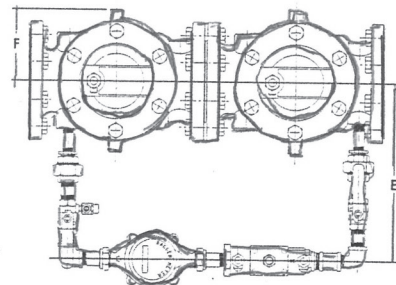
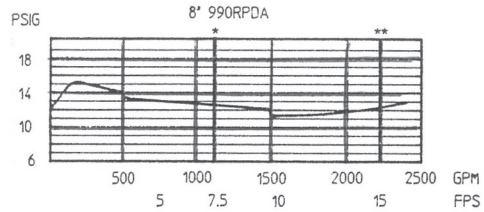
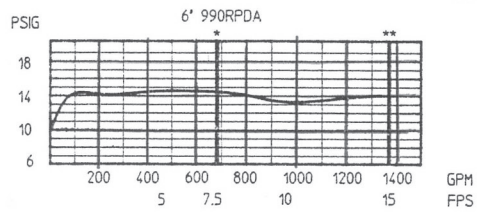
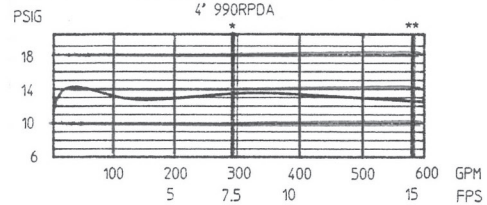


CAPACITY

As compiled from documented Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California lab tests.

*Typical maximum mechanical/irrigation system flow rate (7.5 feet per second)

**Typical maximum fireline system flow rate (15.0 feet per second)



Size	Dimensions (inches)						Weight (lbs.)
	A	B	C	D	E	F	
4" OS&YRW	46 ⁷ / ₈	23 ³ / ₈	16 ¹ / ₂	28 ⁷ / ₈	15	9 ³ / ₁₆	364
6" OS&YRW	58 ³ / ₈	30	18	37 ⁷ / ₈	17	10	631
8" OS&YRW	69 ⁷ / ₈	40	19 ¹³ / ₁₆	46 ⁷ / ₈	18 ¹ / ₂	8 ¹³ / ₁₆	1138