

WATTS 957 RPDA

SIZE

2 1/2", 3", 4", 6", 8", 10"

DESCRIPTION

This is a reduced pressure detector assembly. This model was produced under the Hunter name from 2000-2002. In 2002 Watts bought the Hunter models and began production as the Watts 957 RPDA. This model will also be sold as an Ames model C500. The mainline assembly is similar in construction to 957. The bypass assembly used is the Flomatic RPZE 3/4" or the Watts 3/4" Model 919.

BASIC REPAIR KIT

Repair kit contains discs and O-rings for both check modules, RV piston, and rolling diaphragm.

<u>SIZE</u>	<u>KIT NO</u>	<u>AIR GAP DRAIN</u>
2 1/2"-4"	957-RT250	AG957
6"	957-RT600	AG957
8"	957-RT800	AG957
10"	957-RT001	AG957

Bypass repair kit contains all check discs, O-rings, and diaphragm

<u>SIZE</u>	<u>KIT NO</u>
Flomatic RPZE 3/4"	B92RK00 ♦
Watts 919 3/4"	919-RT075

IMPORTANT FEATURES

- ~2 1/2"-6" check access slides open
- ~Body is stainless steel
- ~Check modules are repairable
- ~Factory repair information enclosed



Model 957 RPDA 2 1/2-10" Reduced Pressure Detector Assemblies

Features

- Extremely compact design
- 70% lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented torsion spring check provides lowest pressure loss
- Unmatched ease of serviceability
- Replaceable check disc rubber
- Available with grooved butterfly valve shutoffs
- Bottom mounted cast stainless steel relief valve
- Metered bypass to detect leakage or theft of water from the fire sprinkler system

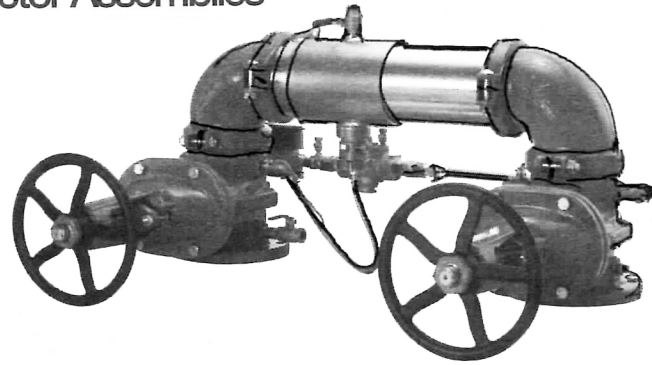
Materials

Housing & Sleeve: 304 (Schedule 40) Stainless Steel
Elastomers: EPDM, Silicone and Buna 'N'
Torsion Spring Checks: Noryl®, Stainless Steel
Check Discs: Reversible Silicone or EPDM
Test Cocks: Bronze Body Nickel Plated
Pins & Fasteners: 300 Series Stainless Steel
Springs: Stainless Steel

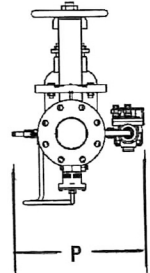
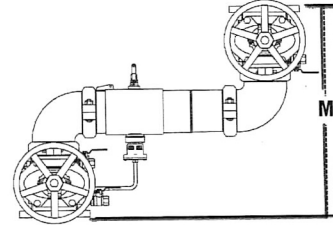
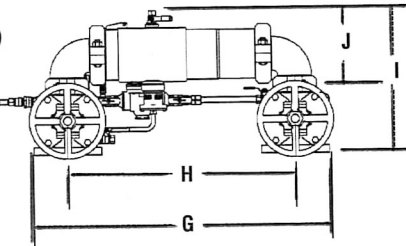
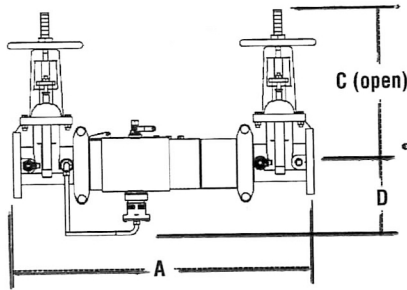
Pressure — Temperature

Temperature Range: 33°F – 140°F (0.5°C – 60°C)

Maximum Working Pressure: 175psi (12.1 bar)



Dimensions — Weight



957NRPDAOSY

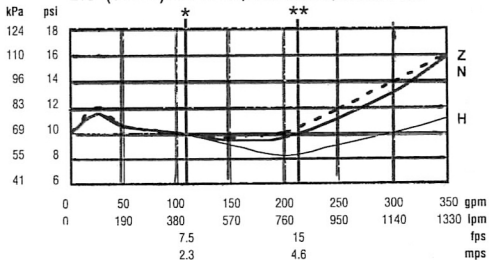
957RPDA, 957NRPDA, 957ZRPDA

SIZE (DN)						DIMENSIONS										WEIGHT							
		A		C (OSY)		D		G		H		I		J		M		P		957RPDA		957NRPDA	
<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs.</i>	<i>lbs.</i>	<i>kgs.</i>
2½	65	30¾	781	16⅜	416	6½	165	29⅛	738	21½	546	15½	393	8⅜	223	21¼	540	13⅜	335	142	64	150	68
3	80	31¾	806	18⅜	479	6⅞	170	30¼	768	22¼	565	17⅞	435	9⅞	233	23	584	14½	368	162	73	175	79
4	100	33¾	857	22¾	578	7	178	33	838	23½	597	18½	470	9⅞	252	26¼	667	15⅞	386	178	81	201	91
6	150	43½	1105	30⅞	765	8½	216	44¾	1137	33¾	845	23⅞	589	13⅞	332	32¼	819	19	483	312	142	353	160
8	200	49¾	1264	37¾	959	9⅞	246	54⅞	1375	40⅞	1019	27⅞	697	15⅞	399	36⅞	937	21⅞	538	497	225	572	259
10	250	57¾	1467	45¾	1162	11⅞	285	66	1676	49½	1257	32½	826	17⅞	440	44½	1124	24	610	797	362	964	437

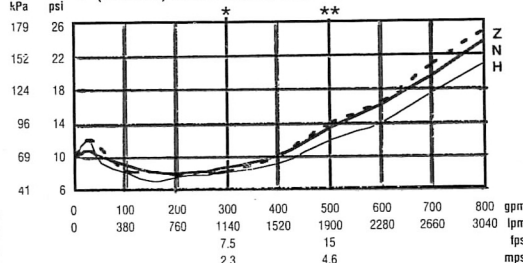
957NRPDABFG, 957ZRPDABFG

SIZE (DN)				DIMENSIONS								WEIGHT			
		G		H		I		J		M		P		957RPDABFG	
<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>in.</i>	<i>mm</i>	<i>lbs.</i>	<i>kgs.</i>
2½	65	32½	826	23	584	15½	394	9½	241	19¾	502	15⅓ ₁₆	402	81	37
3	80	34	864	24	610	16 ⁵ / ₁₆	414	10 ¹ / ₁₆	256	21¼	540	16 ¹ / ₈	410	84	38
4	100	35 ⁵ / ₈	905	25½	648	17 ³ / ₁₆	437	10 ⁵ / ₁₆	279	23½	597	16 ³ / ₈	422	101	46
6	150	46½	1181	35¼	895	20½	521	13½	343	27¼	692	19	483	174	79

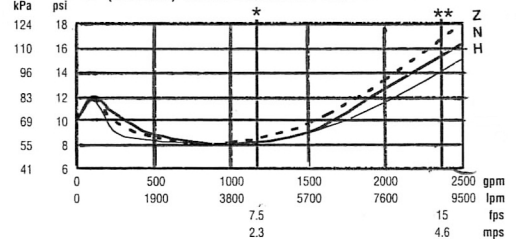
2 1/2" (65mm) 957RPDA/957NRPDA/957ZRPDA



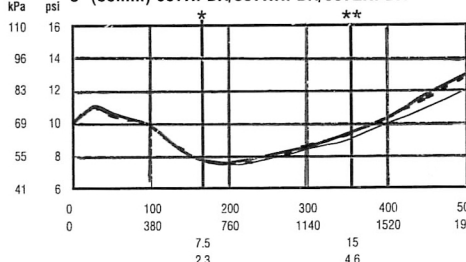
4" (100mm) 957RPDA/957NRPDA/957ZRPDA



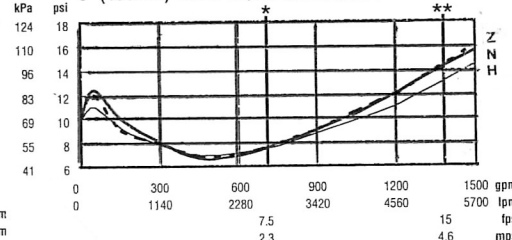
8" (200mm) 957RPDA/957NRPDA/957ZRPDA



3" (80mm) 957RPDA/957NRPDA/957ZRPDA



6" (150mm) 957RPDA/957NRPDA/957ZRPDA



10" (250mm) 957RPDA/957NRPDA/957ZRPDA

