

WATTS 957

SIZE

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

DESCRIPTION

This is a reduced pressure assembly. This model was produced under the name Hunter from 2000-2002. In 2002 Watts bought the Hunter models and began production as the model 957. This model will also be sold as an Ames model C400. The body is constructed of stainless steel tubing. To access the check components a movable sleeve is mounted over the access cover. On the 2 1/2"-6" size the sleeve slides over the body to access the check components. On the 8"-10" size the sleeve is attached by two grooved couplings. The check components are modular and constructed of noryl plastic. The check utilizes a torsion spring which is contained when the check module is removed from the body. The check spring must be extended and controlled with a pin or screwdriver to replace the check disc. The check disc may be either an EPDM or silicone rubber. The body length dimensions may be up to 1" shorter than shown in the dimension chart on versions produced in 2003 or earlier. The body dimension does not change the repair parts inside. The relief valve body attaches to the outside of the check body and is pressurized with an external RV sensing line.

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

IMPORTANT FEATURES

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

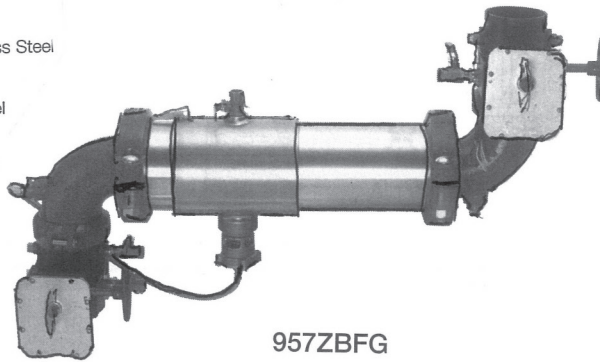


Materials

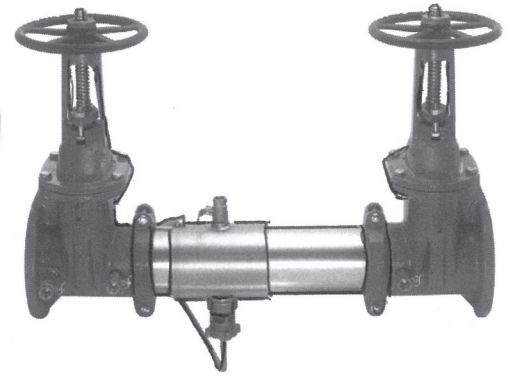
Housing & Sleeve: 304 (Schedule 40) Stainless Steel
Elastomers: EPDM, Silicone and Buna-N
Torsion Spring Checks: Noryl®, Stainless Steel
Check Discs: Reversible Silicone or EPDM
Test Cocks: Bronze Body Nickel Plated
Pins & Fasteners: 300 Series Stainless Steel
Springs: Stainless Steel

Pressure — Temperature

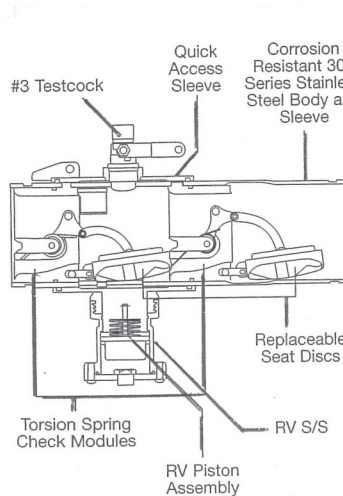
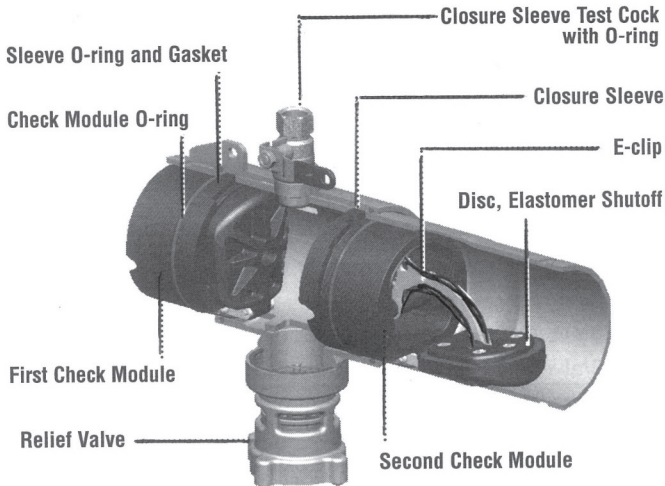
Temperature Range: 33°F – 140°F (0.5°C – 60°C)
Maximum Working Pressure: 175psi (12.1 bar)



957ZBFG

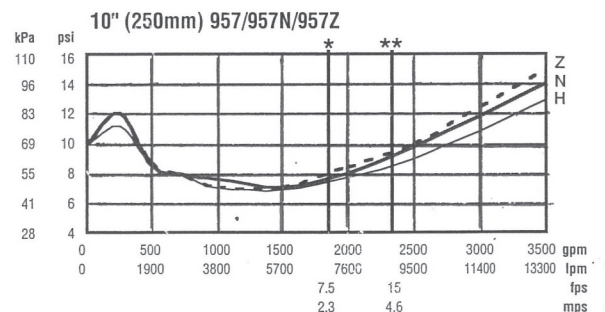
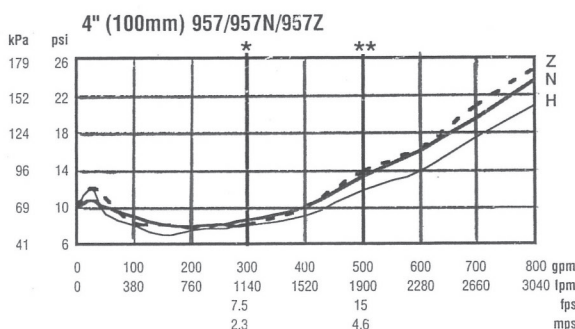
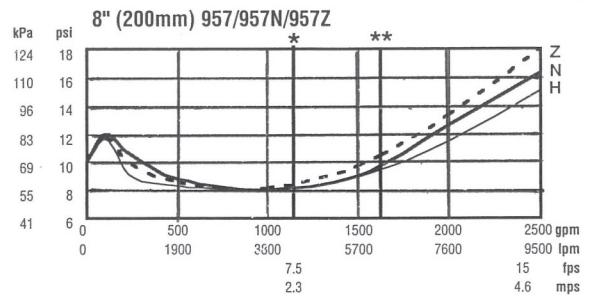
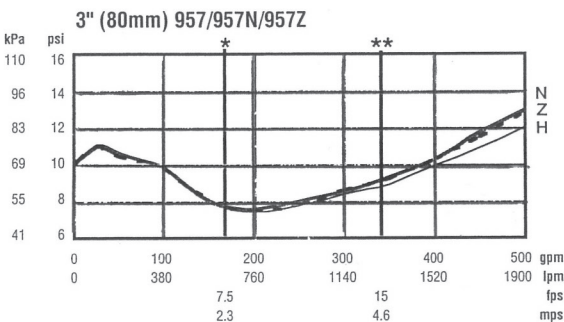
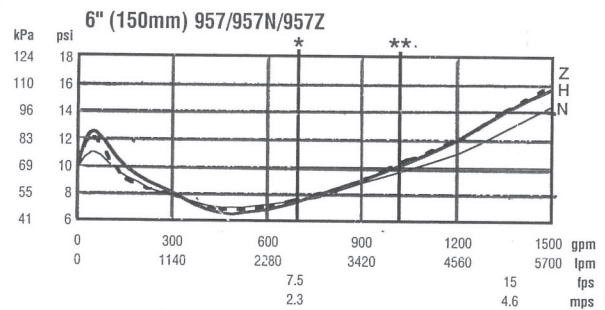
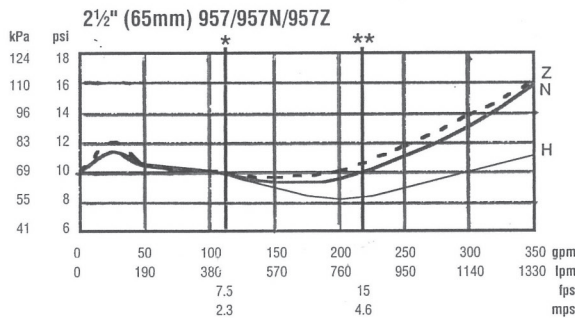


957OSY



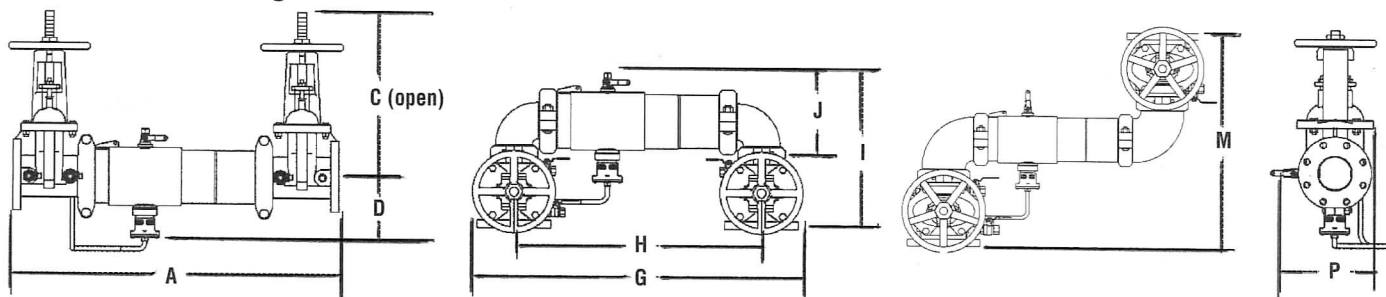
Features

- 2 1/2" and 3" (65 and 80mm) sizes available with quarter-turn ball valve shutoffs
- Replaceable check disc rubber
- Extremely compact design
- 70% Lighter than traditional designs
- 304 (Schedule 40) stainless steel housing & sleeve
- Groove fittings allow integral pipeline adjustment
- Patented torsion spring checks provide lowest pressure loss
- Unmatched ease of serviceability
- Bottom mounted cast stainless steel relief valve
- Available with grooved butterfly valve shutoffs



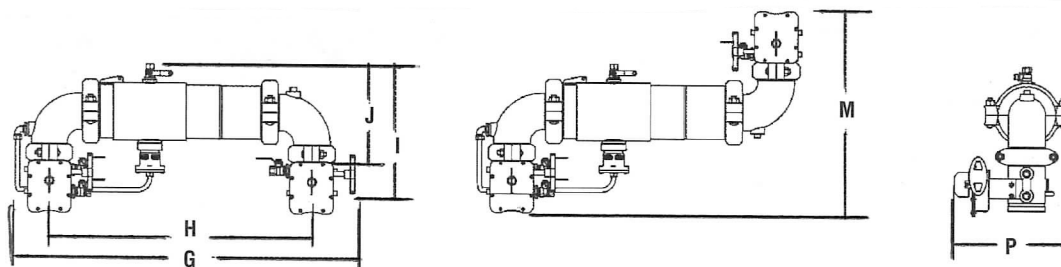
* = Rated flow ** = UL Rated flow

Dimensions — Weight



957, 957N, 957Z

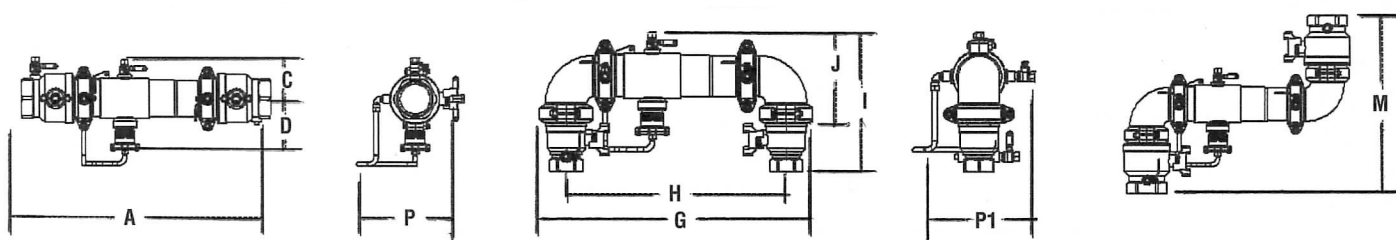
SIZE (DN)				DIMENSIONS																WEIGHT									
		A		C (OSY)		C (NRS)		D		G		H		I		J		M		P		957NRS		957OSY		957N NRS		957N OSY	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.	lbs.	kgs.	lbs.	kgs.
2½	65	30¾	781	16¾	416	9¾	238	6½	165	29⅞	738	21½	546	15½	393	8⅜	223	21¼	540	9¾	234	118	54	128	58	126	57	136	62
3	80	31¾	806	18⅞	479	10¼	260	6⅞	170	30¼	768	22¼	565	17⅞	435	9⅞	233	23	584	10½	267	134	61	148	67	147	67	161	73
4	100	33¾	857	22¼	578	12⅞	310	7	178	33	838	23½	597	18½	470	9⅞	252	26¼	667	11⅞	284	164	74	164	74	187	85	187	85
6	150	43½	1105	30⅞	765	16	406	8½	216	44¾	1137	35¼	895	23⅞	589	13⅞	332	34¼	870	15	381	276	125	298	135	317	144	339	154
8	200	49¾	1264	37¾	959	19⅞	506	9⅞	246	54⅞	1375	40⅞	1019	27⅞	697	15⅞	399	36⅞	937	17⅞	437	441	200	483	219	516	234	558	253
10	250	57¾	1467	45¾	1162	23⅞	605	11⅞	285	66	1676	49½	1257	32½	826	17⅞	440	44½	1124	20	508	723	328	783	355	893	405	950	431



957NBFG, 957ZBFG

SIZE (DN)				DIMENSIONS								WEIGHT			
		G		H		I		J		M		P		957N/957Z	
<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	11⅞	300	67	30
3	80	34	864	24	610	16⅞	414	10⅞	256	21¼	540	12⅞	308	70	32
4	100	35⅞	905	25½	648	17⅞	437	10⅞	279	23½	597	12⅞	321	87	39
6	150	46½	1181	35¼	895	20½	521	13½	343	27¼	692	15	382	160	73

Noryl® is a registered trademark of SABIC Innovative Plastics Holding BV.



957QT

SIZE (DN)		DIMENSIONS										WEIGHT			
	A	C	D	G	H	I	J	M	P	P1	QT	QTN			
<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>in.</i> <i>mm</i>	<i>lbs.</i> <i>kgs.</i>	<i>lbs.</i> <i>kgs.</i>			
2 1/2 65	27 1/2 698	4 7/8 124	6 7/8 175	30 3/4 768	21 1/2 546	16 1/16 407	11 3/8 289	19 7/8 505	11 5/16 287	11 5/16 287	46 21	57 26			
3 80	28 711	4 7/8 124	6 7/8 175	30 3/4 768	22 1/4 565	16 9/16 420	11 3/8 289	20 7/8 531	11 5/16 287	11 5/16 287	56 25	67 30			
4 100	28 3/4 730	4 7/8 124	6 7/8 175	30 3/4 768	23 1/2 597	18 1/2 465	11 3/8 289	24 3/8 619	11 5/16 287	11 5/16 287	76 34	87 39			