

AMES C400

SIZE

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

DESCRIPTION

This is a reduced pressure principle assembly. This model was produced under the Hunter name from 2000-2002. In 2002 Watts bought the Hunter models and began production as the Ames C400. Watts will produce this under the Watts name as the model 957. The "C" designation refers to Ames Colt brand name. 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. The RV spring is contained when the cover is removed. Spring tension must be released for a proper repair.

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>
C400 2 1/2"-4"	400CRT250	7019628
C400 6"	400CRT600	7019628
C400 8"	400CRT800	7019628
C400 10"	400CRT001	7019628

IMPORTANT FEATURES

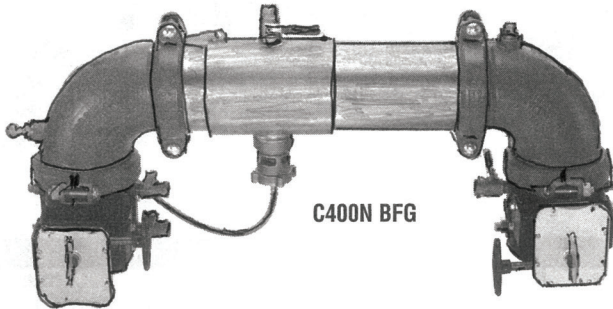
- ~2 1/2"-6" check access slides open
- ~Body is stainless steel
- ~Check modules are repairable
- ~Factory repair information enclosed



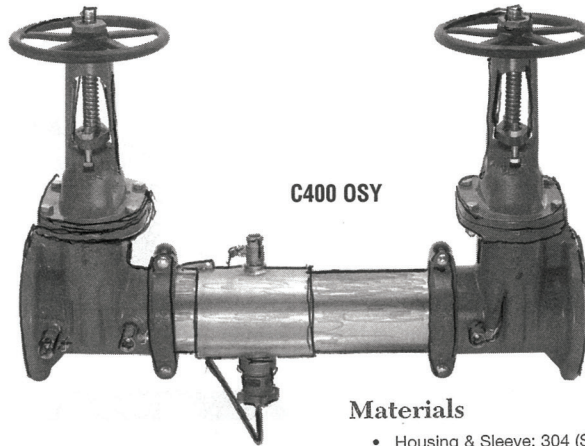
Colt™ Series C400, C400N, C400Z

Reduced Pressure Zone Assemblies

Sizes: 2½" – 10" (65 – 250mm)



C400N BFG



C400 OSY

Features

- Extremely Compact Design
- 70% Lighter than Traditional Designs
- 304 (Schedule 40) Stainless Steel Housing & Sleeve
- Groove Fittings Allow Integral Pipeline Adjustment
- Patented Link Check Provides Lowest Pressure Loss
- Unmatched Ease of Serviceability
- Available with Grooved Butterfly Valve Shutoffs
- May be Used for Horizontal, Vertical, N Pattern or Z Pattern Installations
- Replaceable Check Disc Rubber

Available Models

Suffix:

- NRS – non-rising stem resilient seated gate valves
- OSY – UL/FM outside stem and yoke, resilient seated gate valves
- BFG – UL/FM grooved gear operated butterfly valves with tamper switch

Pressure — Temperature

Temperature Range: 33°F – 140°F (5°C – 60°C)
Maximum Working Pressure: 175psi (12.06 bar)

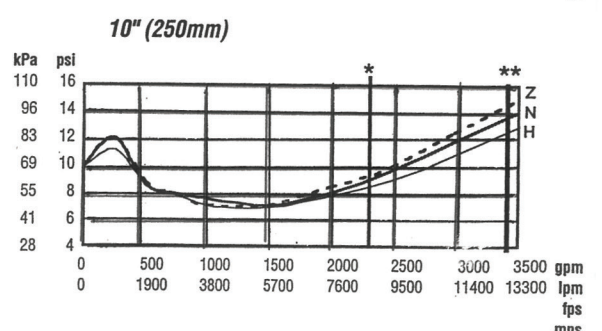
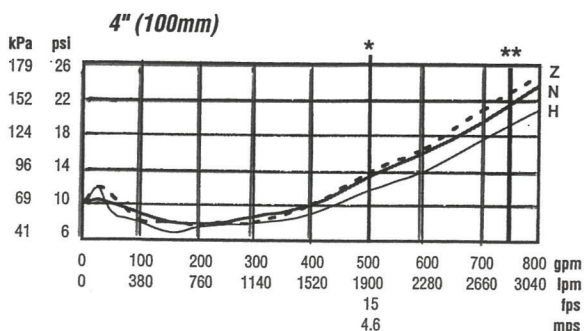
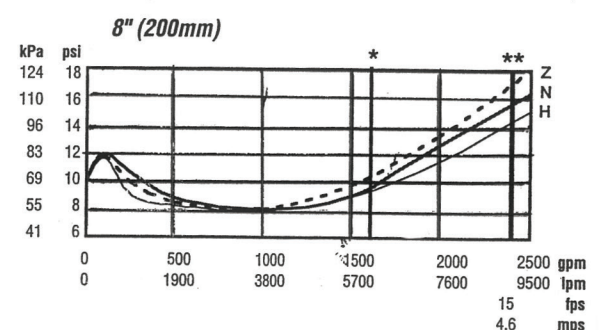
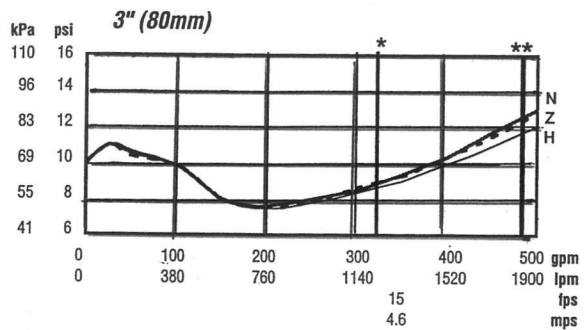
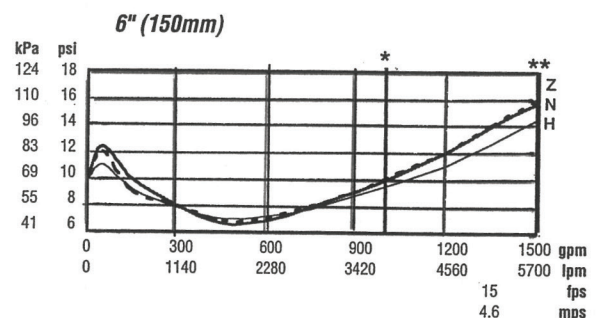
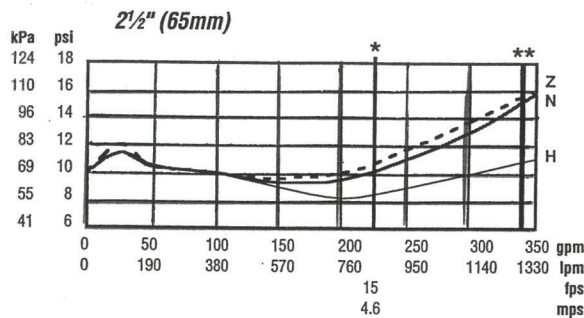
Materials

- Housing & Sleeve: 304 (Schedule 40) Stainless Steel
- Elastomers: EPDM, Silicone and Buna 'N'
- Link 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

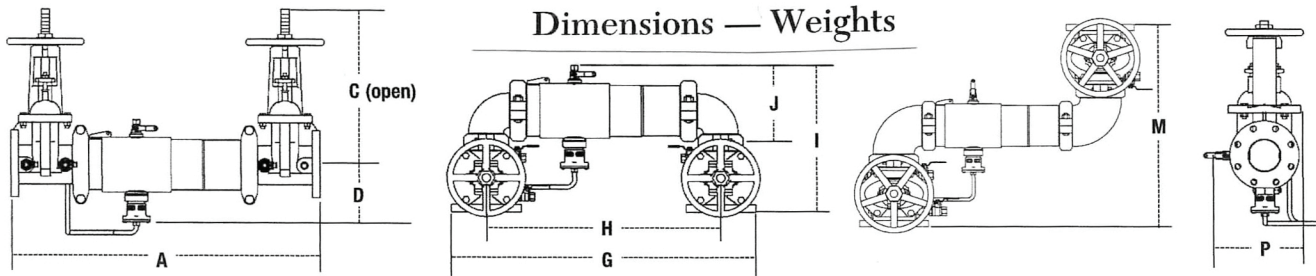
Approvals



Horizontal — N - Pattern - - - - - Z - Pattern

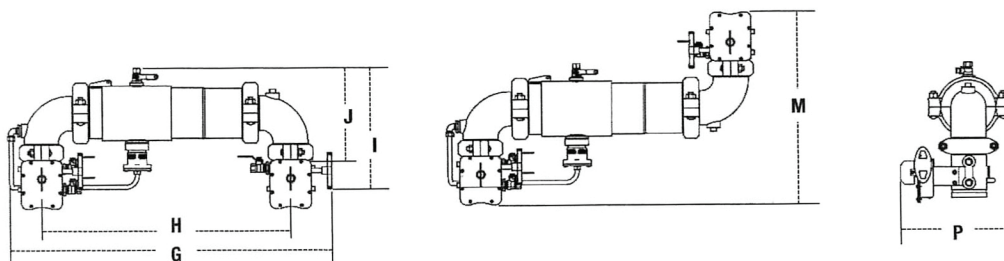


Dimensions — Weights



C400, C400N, C400Z

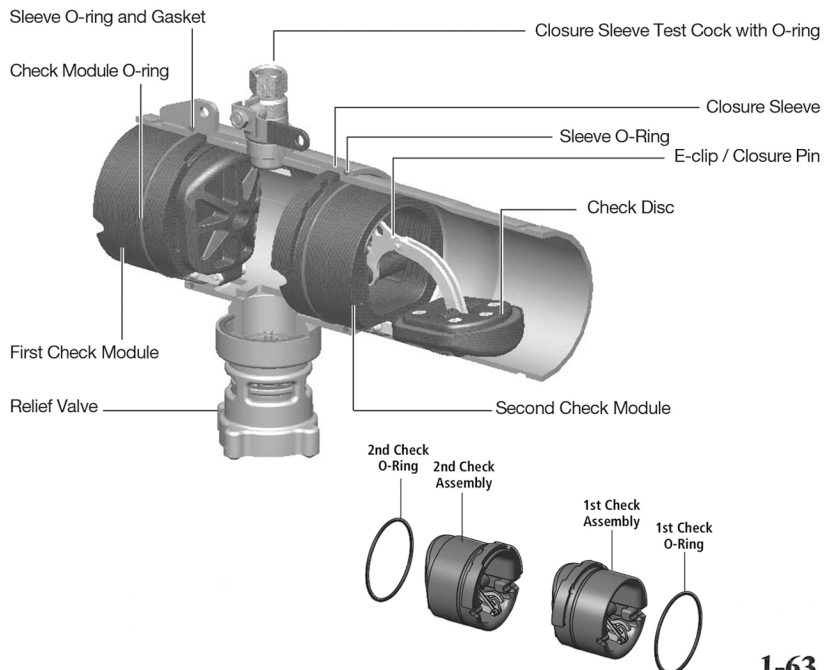
SIZE (DN)		DIMENSIONS										WEIGHT			
		A	C (OSY)	C (NRS)	D	G	H	I	J	M	P	C400		C400N	
												NRS	OSY	NRS	OSY
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2½	65	30¾	781	16¾	416	9¾	238	6½	165	29¼	738	21½	546	15½	393
3	80	31¾	806	18¾	479	10¼	260	6½	170	30¼	768	22¼	565	17¾	435
4	100	33¾	857	22¾	578	12¼	310	7	178	33	838	23½	597	18½	470
6	150	43½	1105	30¾	765	16	406	8½	216	44¾	1137	35¼	895	23¾	589
8	200	49¾	1264	37¾	959	19¼	506	9½	246	54¾	1375	40¾	1019	27¼	697
10	250	57¾	1467	45¾	1162	23¼	605	11¾	285	66	1676	49½	1257	32¼	826
												17¾	440	44½	1124
												20	508	723	328
												783	355	893	405
												950	431		



C400NBF6/C400ZBF6

SIZE (DN)		DIMENSIONS								WEIGHT	
		G		H		I		J		M	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2½	65	23	584	23	584	15½	394	9½	241	19¾	502
3	80	24	610	24	610	16¾	414	10¼	256	21¼	540
4	100	25½	648	25½	648	17¾	437	10½	279	23½	597
6	150	35¼	895	35¼	895	20½	521	13½	343	27¼	692
										15	382
										160	73

Check Valve



Relief Valve

