

AMES M500

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 Ames M500. The mainline assembly is similar in construction to the M400. The bypass assembly used is the Flomatic RPZE 3/4" or Watts 919 3/4".

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>
M500 2 1/2"-3"	400MRT250	7019628
M500 4"	400MRT400	7019628
M500 6"	400MRT600	7019628
M500 8"-10"	400MRT800	7019628

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

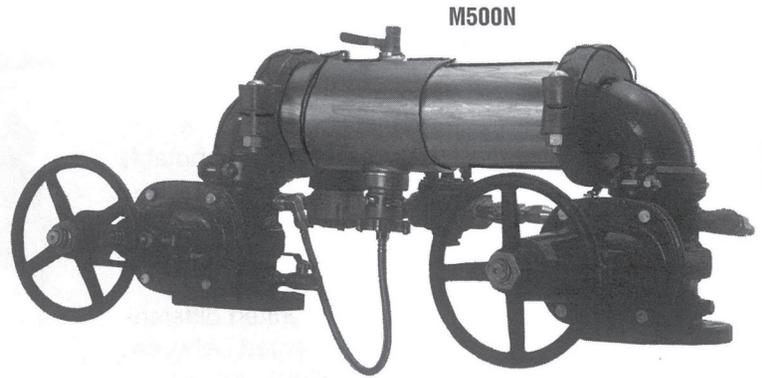
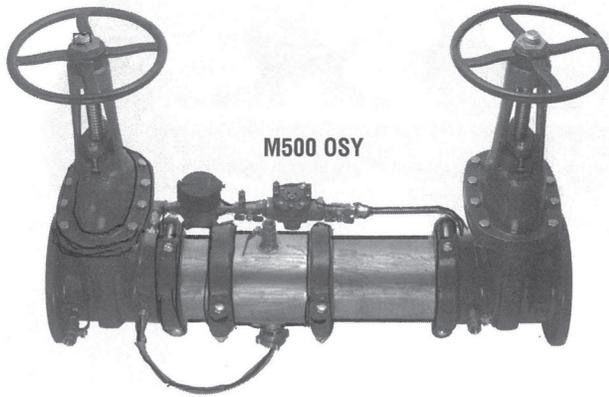
- ~2 1/2"-4" check access slides open
- ~Body is stainless steel
- ~Check modules are repairable
- ~Factory repair information enclosed



Maxim™ Series M500, M500N, M500Z

Reduced Pressure Detector Assemblies

Sizes: 2½" – 10" (65 – 250mm)



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
- Available for Horizontal, Vertical, N Pattern or Z Pattern Installations
- Replaceable Check Disc Rubber

Available Models

Suffix:

- 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)

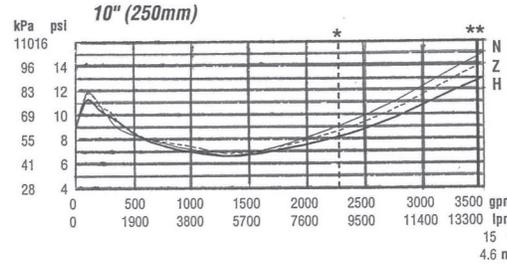
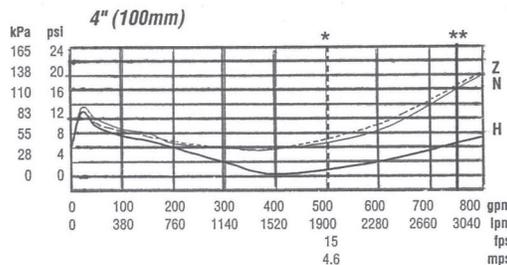
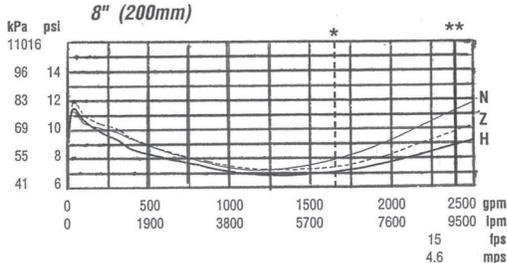
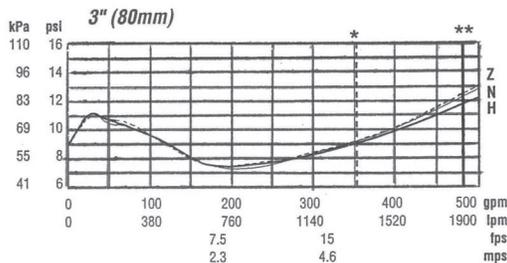
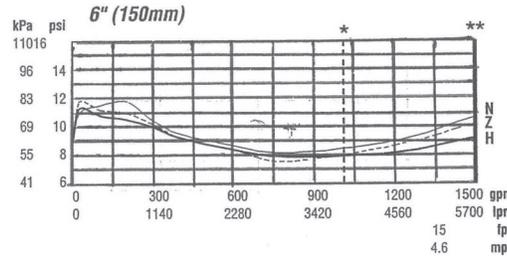
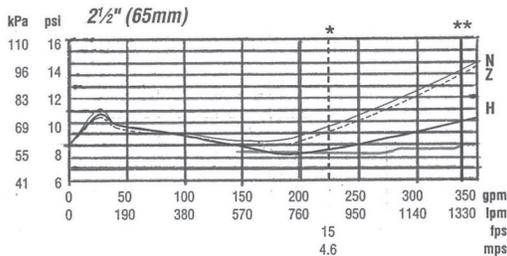
Materials

- 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



For additional approval information please contact the factory or visit our website at www.amesfirewater.com

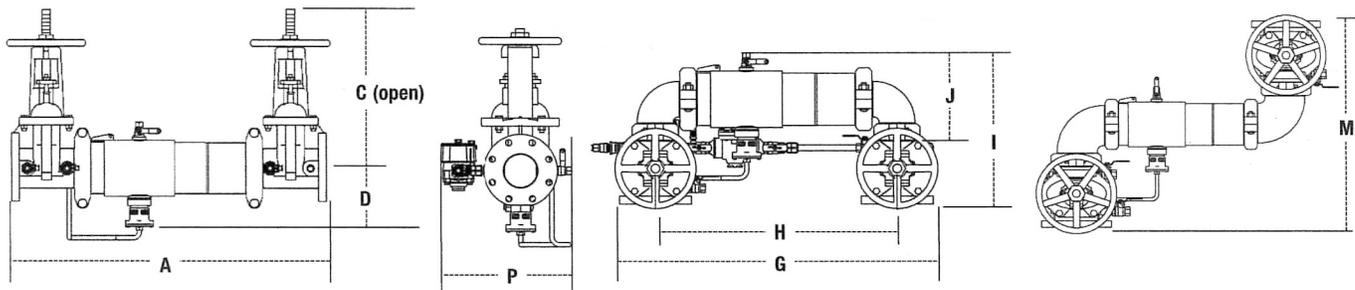


N-N Pattern

V-Vertical

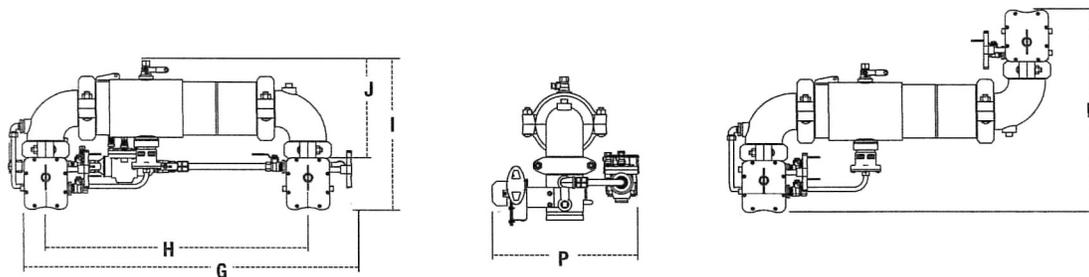
H-Horizontal

Dimensions – Weights



M500, M500N

SIZE		DIMENSIONS												WEIGHT									
in.	mm	A	C (OSY)		D		H		I		P		M		G		J		M500		M500N		
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2 1/2	30 3/4	781	16 3/8	416	6 1/2	165	21 1/2	546	15 9/16	395	13 3/8	340	21 1/4	540	29 1/2	749	8 13/16	223	142	64	150	68	
3	31 3/4	806	18 7/8	479	6 11/16	170	22 1/4	565	16 1/4	413	14 11/16	372	23	584	30 1/2	775	9 3/16	233	162	73	175	79	
4	40 1/2	1029	22 3/4	578	8	203	30 1/4	768	19 11/16	500	15 5/16	389	26 1/4	667	39 3/4	1010	11	280	236	107	259	117	
6	47 3/4	1213	30 1/8	765	9 1/2	241	37 1/2	953	23 3/16	605	19 1/2	495	34 1/4	870	49	1245	14 3/16	360	407	185	447	203	
8	54 3/4	1391	37 3/4	959	10 1/2	267	45 1/8	1146	27 3/16	690	21 5/8	549	36 7/8	937	59 1/8	1502	16 3/4	425	581	264	657	298	
10	57 3/4	1467	45 3/4	1162	11 3/16	284	49 1/2	1257	32 1/2	825	24 5/16	617	44 1/2	1124	66	1676	17 5/16	440	798	362	968	439	

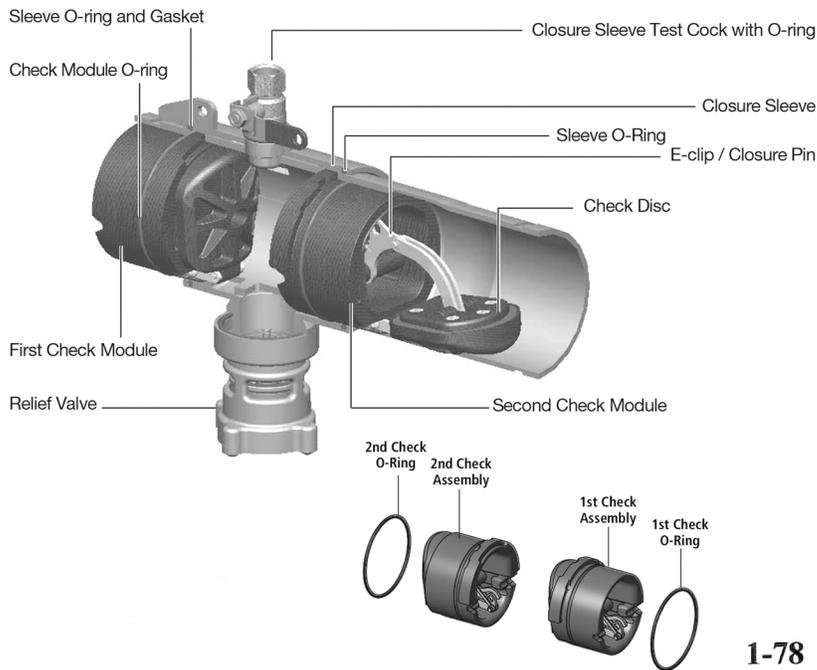


M500NBF, M500ZBF

SIZE	DIMENSIONS												WEIGHT	
in.	H		I		P		M		G		J		lbs.	kgs.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
2 1/2	23	584	15 11/16	398	11 13/16	300	19 3/4	502	31 15/16	811	9 1/2	242	81	37
3	24	610	16 5/16	415	12 1/8	308	21 1/4	540	33 5/16	846	10 1/16	255	84	38
4	30 1/4	768	18 5/16	466	13 15/16	454	23 1/2	597	42	1067	12	305	159	72.1
6	37 1/2	953	21 3/4	553	16 7/16	418	27 1/4	692	50 13/16	1291	15 3/16	386	268	121.5

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Check Valve



Relief Valve

