

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

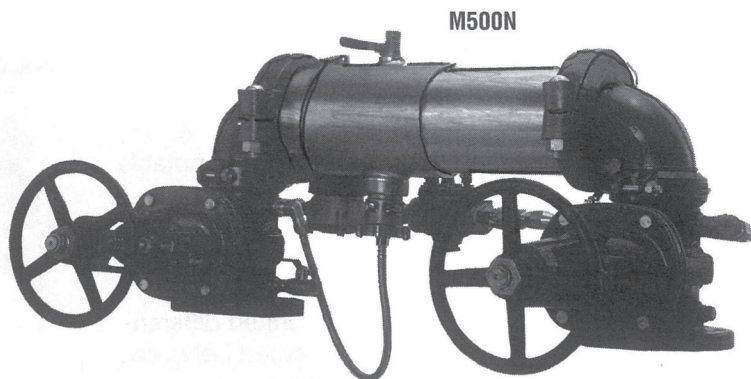
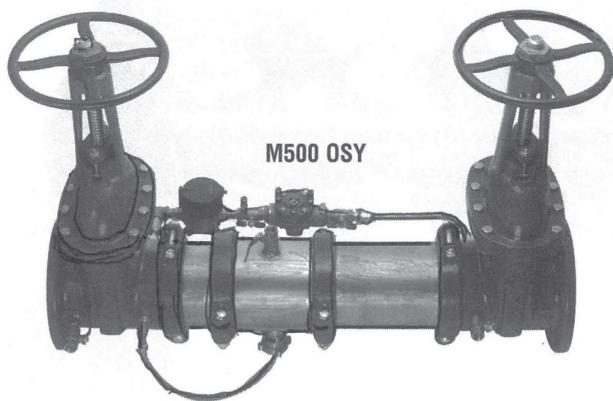
- ~2 1/2"-4" check access slides open
- ~Body is stainless steel
- ~Check modules are repairable
- ~Factory repair information enclosed



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)

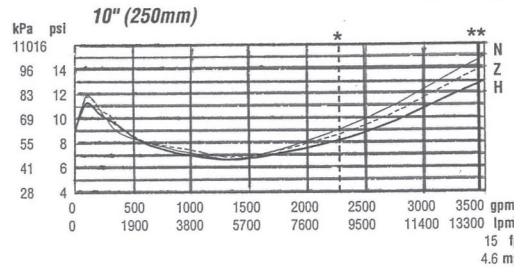
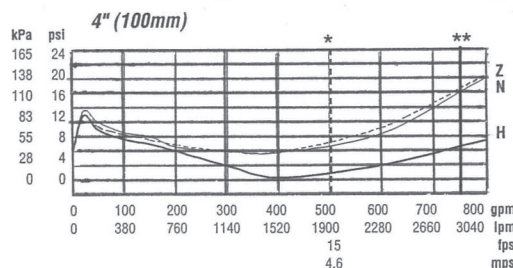
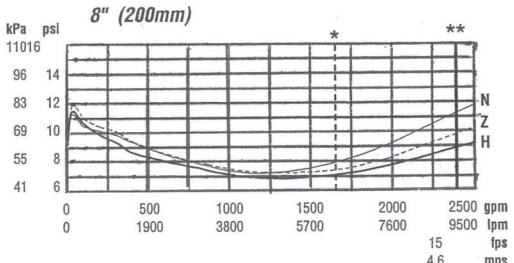
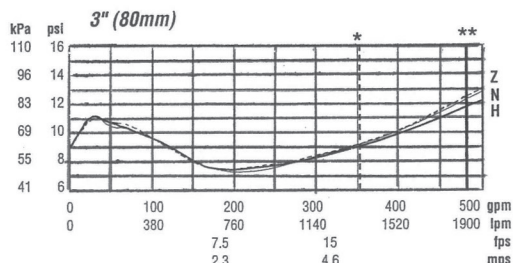
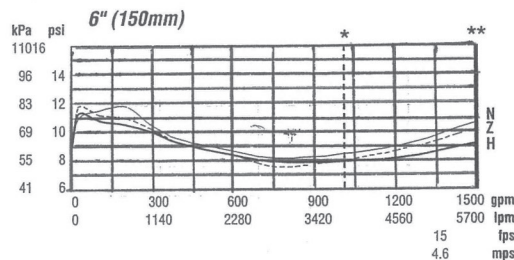
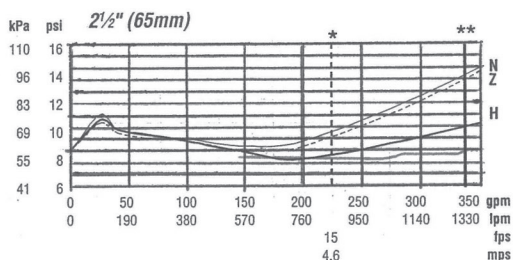
Materials

- 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

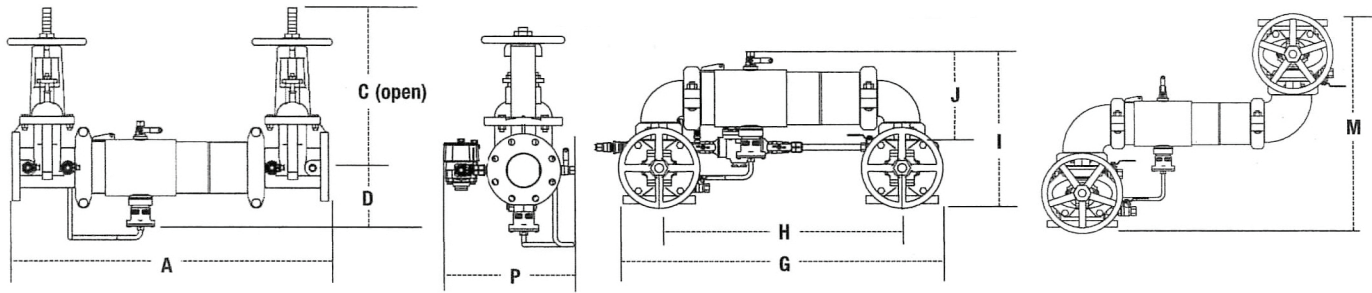


N - N Pattern

V - Vertical

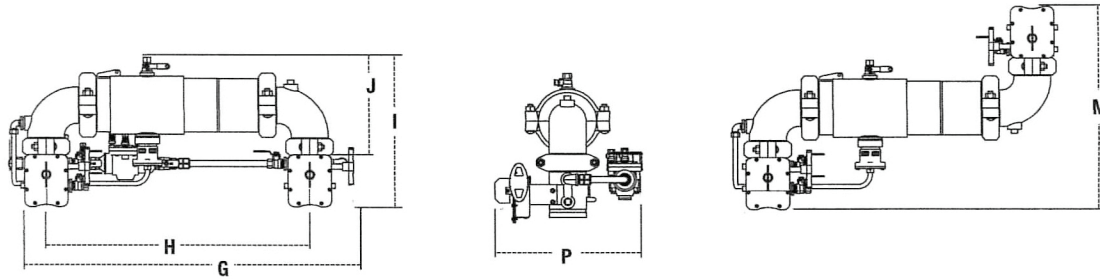
H - Horizontal

Dimensions — Weights



M500, M500N

SIZE			DIMENSIONS												WEIGHT							
	A		C (OSY)		D		H		I		P		M		G		J		M500		M500N	
<i>in.</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	30¾	781	16⅜	416	6½	165	21½	546	15⅞	395	13⅜	340	21¼	540	29½	749	8⅓	223	142	64	150	68
3	31¾	806	18⅞	479	6⅞	170	22¼	565	16¼	413	14⅞	372	23	584	30½	775	9⅞	233	162	73	175	79
4	40½	1029	22¾	578	8	203	30¼	768	19⅞	500	15⅞	389	26¼	667	39¾	1010	11	280	236	107	259	117
6	47¾	1213	30⅞	765	9½	241	37½	953	23⅞	605	19½	495	34¼	870	49	1245	14⅞	360	407	185	447	203
8	54¾	1391	37¾	959	10½	267	45⅞	1146	27⅞	690	21⅞	549	36⅞	937	59⅞	1502	16¾	425	581	264	657	298
10	57¾	1467	45¾	1162	11⅞	284	49½	1257	32½	825	24⅞	617	44½	1124	66	1676	17⅞	440	798	362	968	439

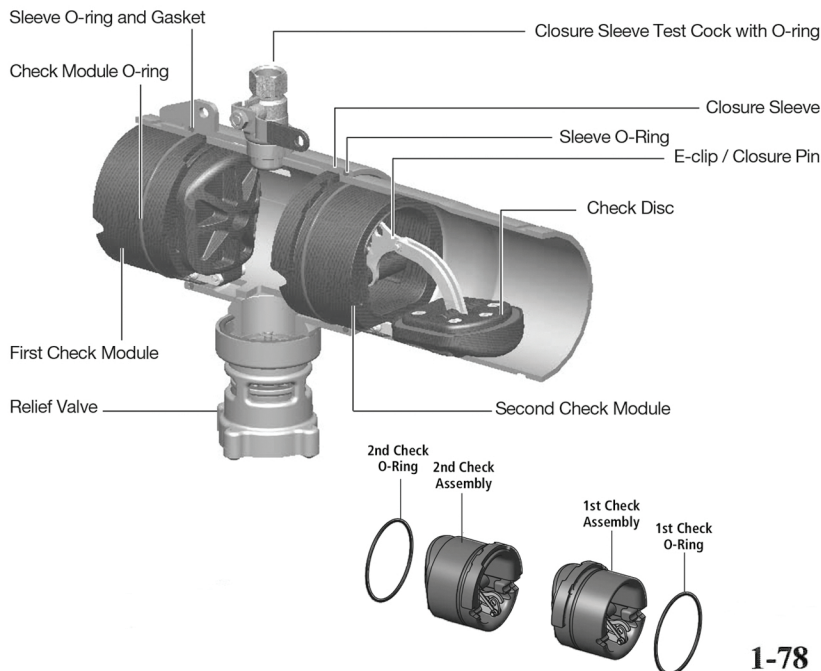


M500NBF, M500ZBF

SIZE		DIMENSIONS										WEIGHT		
	H		I		P		M		G		J			
<i>in.</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	23	584	15 ¹¹ / ₁₆	398	11 ¹³ / ₁₆	300	19¾	502	31 ¹⁵ / ₁₆	811	9½	242	81	37
3	24	610	16 ⁵ / ₁₆	415	12 ¹ / ₈	308	21¼	540	33 ⁵ / ₁₆	846	10 ¹ / ₁₆	255	84	38
4	30¼	768	18 ⁵ / ₁₆	466	13 ¹⁵ / ₁₆	454	23½	597	42	1067	12	305	159	72.1
6	37½	953	21¾	553	16 ⁷ / ₁₆	418	27¼	692	50 ¹³ / ₁₆	1291	15 ³ / ₁₆	386	268	121.5

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Check Valve



Relief Valve

