



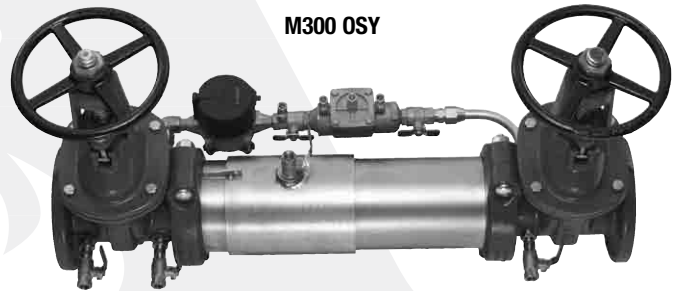
Maxim™ Series M300, M300N

Double Check Detector Assemblies

Sizes: 2 1/2" – 10" (65 – 250mm)



M300 BFG



M300 OSY

Features

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

The Maxim M300, M300N Double Check Detector Assemblies are used to prevent backflow of pollutants, that are objectionable but not toxic, from entering the potable water supply system. The Maxim M300, M300N may be installed under continuous pressure service and may be subjected to backpressure. The Maxim M300, M300N are used primarily on fire line sprinkler systems when it is necessary to monitor unauthorized use of water. For use in non-health hazard applications.

Specifications

The Double Check Detector Assemblies shall consist of two independent Tri-Link Check modules within a single housing, sleeve access port, four test cocks and two drip tight shutoff valves. Tri-Link Checks shall be removable and serviceable, without the use of special tools. The housing shall be constructed of 304 (Schedule 40) stainless steel pipe with groove end connections. Tri-Link Checks shall have reversible elastomer discs and in operation shall produce drip tight closure against the reverse flow of liquid caused by backpressure or backsiphonage. The bypass assembly consists of a meter registering either gallon or cubic measurements, a double check valve assembly and required test cocks. Assembly shall be a Maxim M300, M300N as manufactured by the Ames Company.

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Ames product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Technical Service. Ames reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Ames products previously or subsequently sold.

Configurations

- Horizontal
- Vertical up
- “N” pattern horizontal

Materials

- Housing & Sleeve: 304 (Schedule 40) Stainless Steel
- Elastomers: EPDM, Silicone and Buna ‘N’
- Tri-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

Available Models

OSY - UL/FM flanged outside stem and yoke resilient seated gate valves

BFG - UL/FM grooved gear operated butterfly valves w/tamper switch

*OSY FxG - Flanged inlet gate connection and grooved outlet gate connection

*OSY GxF - Grooved inlet gate connection and flanged outlet gate connection

*OSY GxG - Grooved inlet gate connection and grooved outlet gate connection

Available with grooved NRS gate valves - consult factory*

Post indicator plate and operating nut available - consult factory*

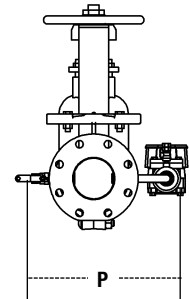
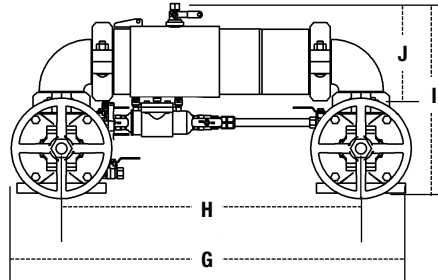
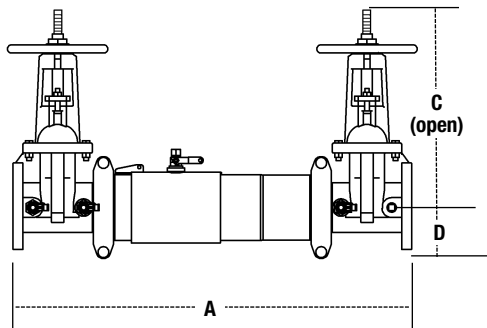
*Consult factory for dimensions

Pressure — Temperature

Temperature Range: 33°F – 110°F (5°C – 43°C)

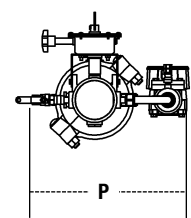
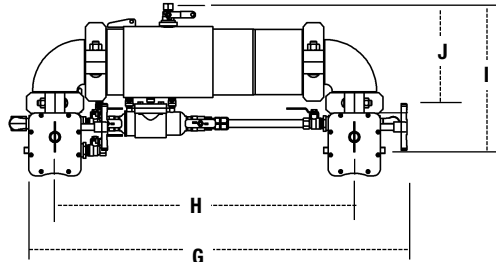
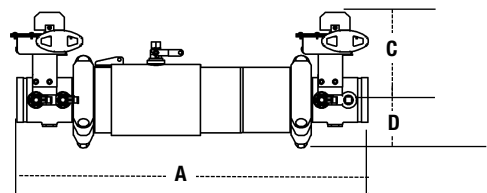
Maximum Working Pressure: 175psi (12.06 bar)

Dimensions — Weights



M300, M300N

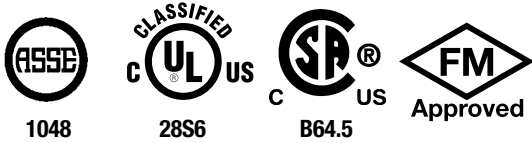
SIZE (DN)		DIMENSIONS														WEIGHT					
in	mm	A		C (OSY)		D		G		H		I		J		P		M300		M300N	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs.	kgs.	lbs.	kgs.
2½	65	31	787	16¾	416	3½	89	29⅞	738	22¾	578	15⅓	402	8⅓	223	13⅓	335	139	63	147	67
3	80	31⅞	805	18⅞	479	3⅞	94	30½	775	22¾	578	17⅞	435	9⅞	233	14½	368	159	72	172	78
4	100	40½	1029	22¾	578	5	127	39¾	1010	30¾	781	20⅞	518	11⅞	297	15⅞	386	233	106	256	116
6	150	48⅞	1224	30⅞	765	6½	165	40	1016	38	965	24¾	629	14⅞	360	19½	495	404	183	444	201
8	200	55	1397	37¾	959	7½	191	59⅞	1502	45⅞	1159	28⅞	721	16¾	425	21½	546	578	262	654	297
10	250	57½	1461	45¾	1162	8⅞	208	66	1676	50	1270	32½	826	17⅞	440	24	610	795	361	965	438



M300BFG, M300NBFG

SIZE (DN)		DIMENSIONS														WEIGHT					
in.	mm	A		C		D		G		H		I		J		P		M300BFG		M300NBFG	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2½	65	28	711	8	203	3½	89	29⅞	759	22⅞	562	14⅞	379	8⅓	223	13	330	70	32	78	35
3	80	28½	724	8⅞	211	3⅞	94	30¾	781	22¾	578	15⅞	392	9⅞	233	13½	343	68	31	81	37
4	100	36	914	8⅞	221	4⅞	122	39	991	30¾	781	18	457	11⅞	297	15	381	133	60	156	71
6	150	40⅞	1033	10	254	6	152	47⅞	1205	38	965	20⅞	525	14⅞	360	19½	495	225	102	265	120
8	200	48	1219	12⅞	310	6⅞	173	56	1422	45⅞	1159	24⅞	613	16¾	425	21½	546	359	163	435	197

Approvals



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

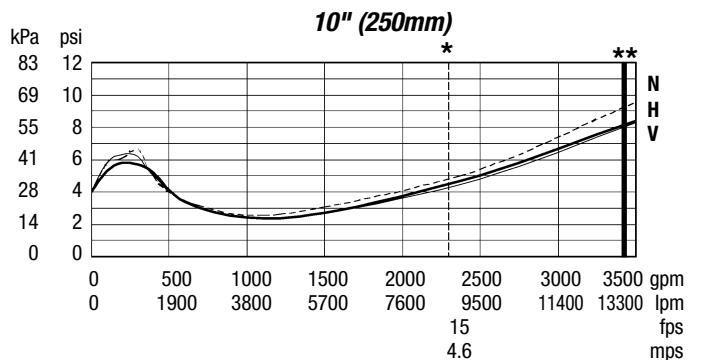
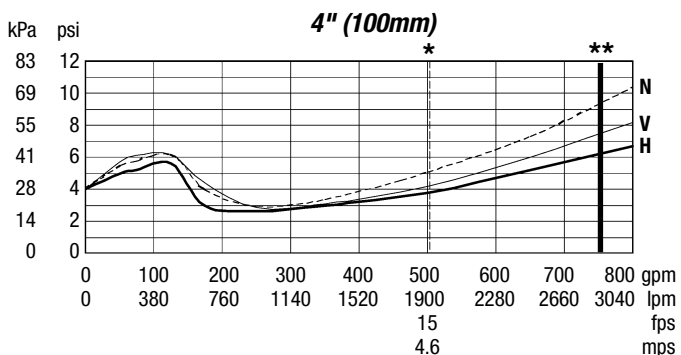
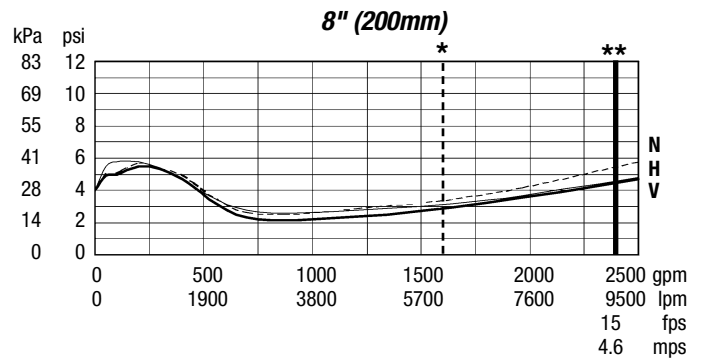
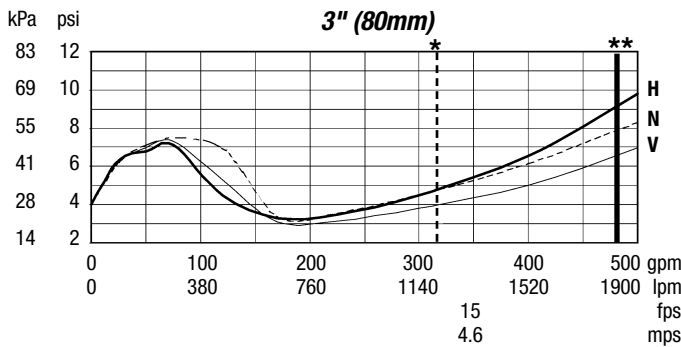
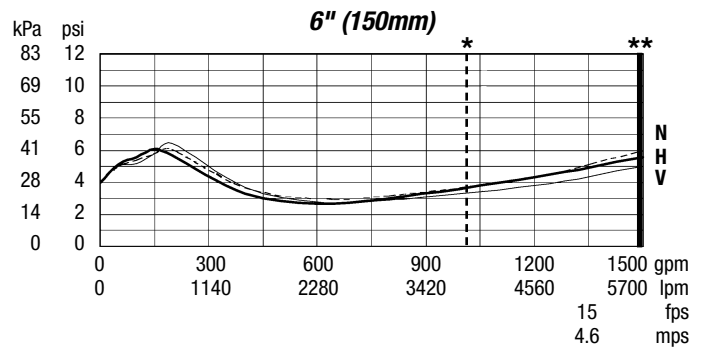
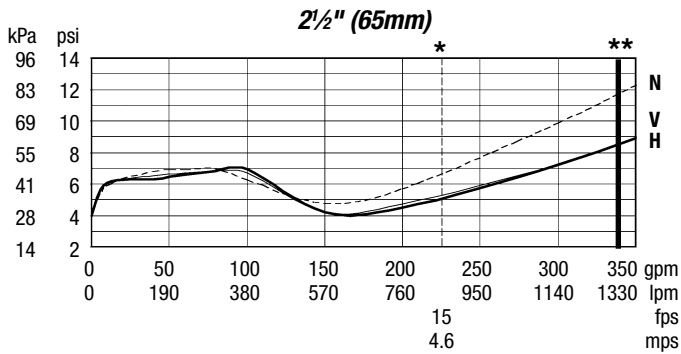
Capacity

UL/FM Certified Flow Characteristics

Flow characteristics collected using butterfly shutoff valves.
See literature S-MAXIM-200/300 for gate valve flow characteristics

* = Rated flow ** = UL Tested

— Horizontal — Vertical - - - - N-Pattern



IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

For additional information, visit our web site at: www.amesfirewater.com



A Watts Water Technologies Company

www.amesfirewater.com



USA: Backflow- Sacramento, CA • Tel: (916) 928-0123 • Fax: (916) 928-9333

Control Valves- Houston, TX • Tel: (713) 943-0688 • Fax: (713) 944-9445

Canada: Burlington, ON • Tel: (905) 332-4090 • Fax: (905) 332-7068

ES-A-M300/M300N 0510

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