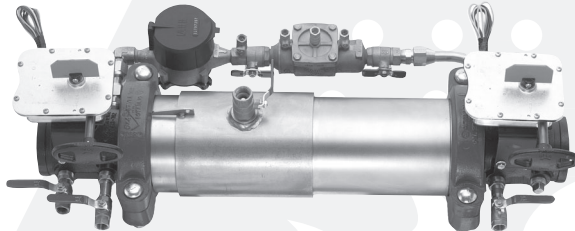




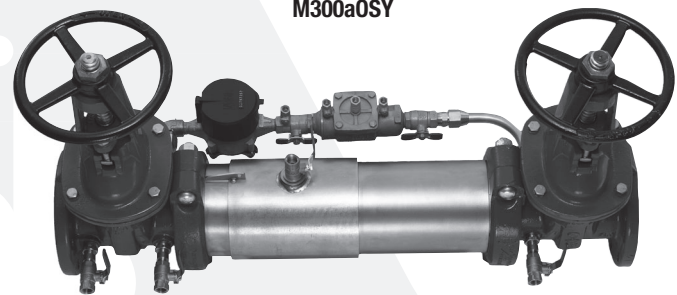
# Maxim™ Series M300a, M300Na

## Double Check Detector Assemblies

Sizes: 2½" – 4" (65 – 100mm)



M300aBFG



M300aOSY

### Features

- Extremely Compact Design
- 70% Lighter than Traditional Designs
- 304 (Schedule 40) Stainless Steel Housing & Sleeve
- Groove Fittings Allow Integral Pipeline Adjustment
- Patented Bi-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 M300a, M300Na 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 M300a, M300Na may be installed under continuous pressure service and may be subjected to backpressure. The Maxim M300a, M300Na 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 Bi-Link Check modules within a single housing, sleeve access port, four test cocks and two drip tight shutoff valves. Bi-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. Bi-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, which registers in either gallon or cubic measurements, a double check valve assembly and required test cocks. Assembly shall be a Maxim M300a, M300Na 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 and Buna ‘N’
- Bi-Link Checks: Noryl®, Stainless Steel
- Check Discs: Reversible 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\*

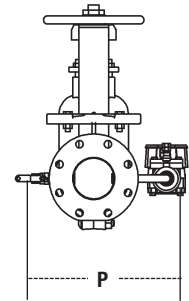
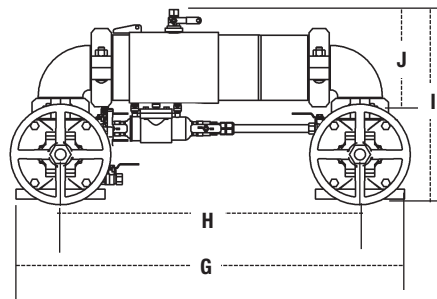
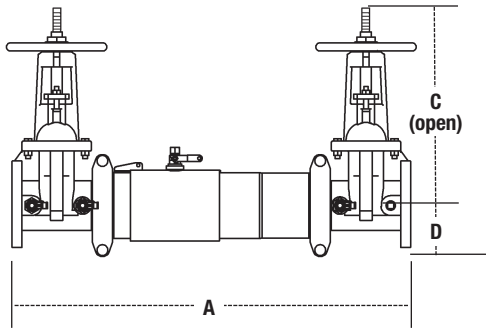
\*Consult factory for dimensions

## Pressure — Temperature

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

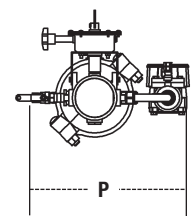
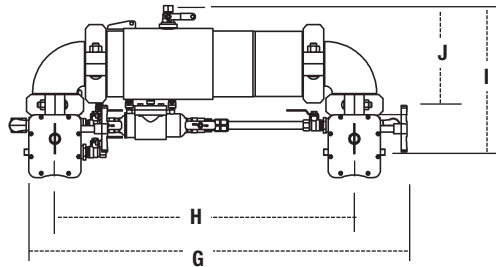
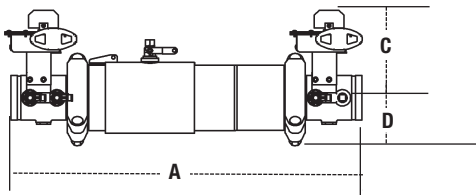
Maximum Working Pressure: 175psi (12.06 bar)

## Dimensions — Weights



### M300a, M300Na

SIZE (DN)		DIMENSIONS										WEIGHT									
in	mm	A		C (OSY)		D		G		H		I		J		P		M300a		M300Na	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs.	kgs.	lbs.	kgs.
2 1/2	65	31	787	16 3/8	416	3 1/2	89	29 1/16	738	22 3/4	578	15 13/16	402	8 13/16	223	13 3/16	335	139	63	147	67
3	80	31 11/16	805	18 7/8	479	3 11/16	94	30 1/2	775	22 3/4	578	17 1/8	435	9 3/16	233	14 1/2	368	159	72	172	78
4	100	40 1/2	1029	22 3/4	578	5	127	39 3/4	1010	30 3/4	781	20 9/8	518	11 11/16	297	15 3/16	386	233	106	256	116



### M300aBFG, M300NaBFG

SIZE (DN)		DIMENSIONS										WEIGHT									
in.	mm	A		C		D		G		H		I		J		P		M300aBFG		M300NaBFG	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	lbs.	kgs.
2 1/2	65	28	711	8	203	3 1/2	89	29 7/8	759	22 1/8	562	14 15/16	379	8 13/16	223	13	330	70	32	78	35
3	80	28 1/2	724	8 5/16	211	3 11/16	94	30 3/4	781	22 3/4	578	15 7/16	392	9 3/16	233	13 1/2	343	68	31	81	37
4	100	36	914	8 11/16	221	4 13/16	122	39	991	30 3/4	781	18	457	11 11/16	297	15	381	133	60	156	71

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# Approvals



1048



28S6



B64.5



For additional approval information please contact the factory or visit our website at [www.amesfirewater.com](http://www.amesfirewater.com)

## Capacity

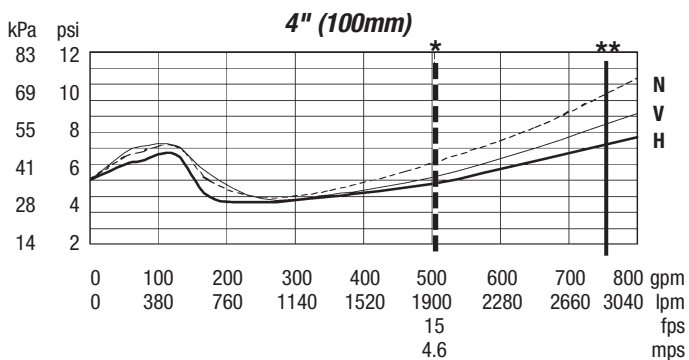
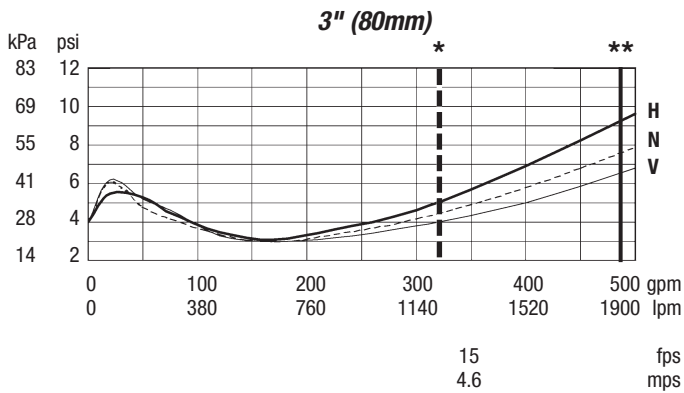
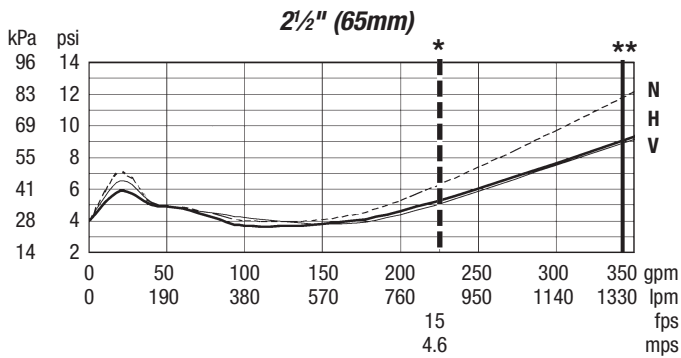
### UL/FM Certified Flow Characteristics

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](http://www.amesfirewater.com)



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