

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# Maxim™ Series

## M300Na, (Maxim 300Na)

### Double Check Detector Assemblies

Sizes: 2½" – 4"

The Maxim 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 M300Na may be installed under continuous pressure service and may be subjected to backpressure. The Maxim 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.

#### Features

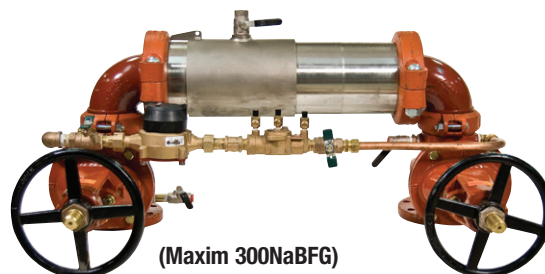
- Extremely Compact Design
- 70% Lighter than Traditional Designs
- 304 (Schedule 40) Stainless Steel Housing & Sleeve
- Groove Fittings Allow Integral Pipeline Adjustment
- Patented Bi-Link Check Provides Lowest Pressure Loss
- Unmatched Ease of Serviceability
- Available with Grooved Butterfly Valve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

#### 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 M300Na as manufactured by the Ames Fire & Waterworks.



M300Na



(Maxim 300NaBFG)

#### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

#### WARNING

It is illegal to use this product in any plumbing system providing water for human consumption, such as drinking or dishwashing, in the United States. Before installing standard material product, consult your local water authority, building and plumbing codes.

Ames Fire & Waterworks product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Fire & Waterworks Technical Service. Ames Fire & Waterworks 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 Fire & Waterworks products previously or subsequently sold.



**AMES**  
FIRE & WATERWORKS  
A WATTS Brand

## Configurations

"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: Lead Free\* Bronze Body  
 Pins & Fasteners: 300 Series Stainless Steel  
 Springs: Stainless Steel

## Available Models

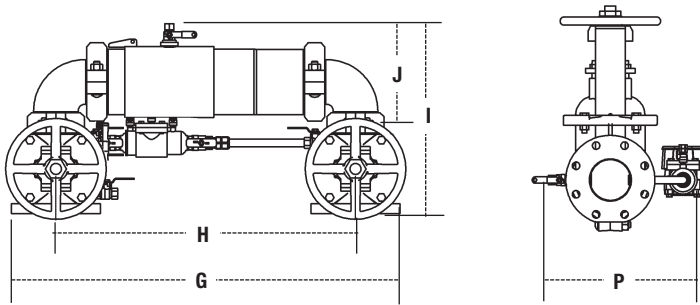
OSY UL/FM flanged outside stem and yoke resilient seated gate valves  
 BFG UL/FM grooved gear operated butterfly valves w/ tamper switch  
 \*OSY FxG Flanged inlet gate connection and grooved outlet gate connection  
 \*OSY GxG Grooved inlet gate connection and flanged outlet gate connection  
 \*OSY 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 (0.5°C – 43°C)  
 Maximum Working Pressure: 175psi (12.1 bar)

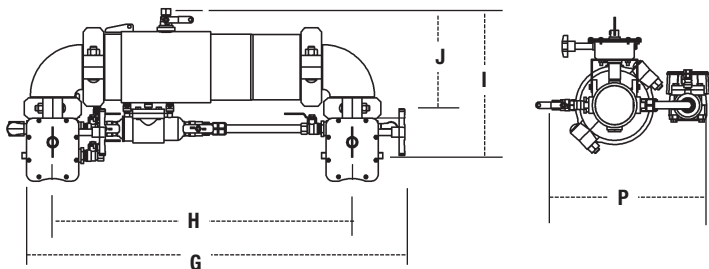
## Dimensions – Weights



### M300Na

SIZE	DIMENSIONS										WEIGHT	
	G		H		I		J		P		M300Na	
in	in	mm	in	mm	in	mm	in	mm	in	mm	lbs.	kgs.
2½	29⅛	738	22¾	578	15⅞	402	8⅞	223	13⅜	335	147	67
3	30½	775	22¾	578	17⅞	435	9⅞	223	14½	368	172	78
4	39¾	1010	30¾	781	20⅞	518	11⅞	297	15⅞	386	256	116

Note: For 2½" - 4" horizontal/vertical instructions, send for literature ES-A-M-300/300N.



### M300NaBFG

SIZE	DIMENSIONS										WEIGHT	
	G		H		I		J		P		M300NaBFG	
in.	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
2½	29⅞	759	22⅞	562	14⅞	379	8⅞	223	13	330	78	35
3	30¾	781	22¾	578	15⅞	392	9⅞	233	13½	343	81	37
4	39	991	30¾	781	18	457	11⅞	297	15	381	156	71

Noryl® is a registered trademark of SABIC Innovative Plastics™.

## Approvals

- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at The University of Southern California (FCCCHR-USC) (Excluding 6" Z Pattern configuration)
- AWWA C551-92

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



1048



28S6



B64.5



Approved

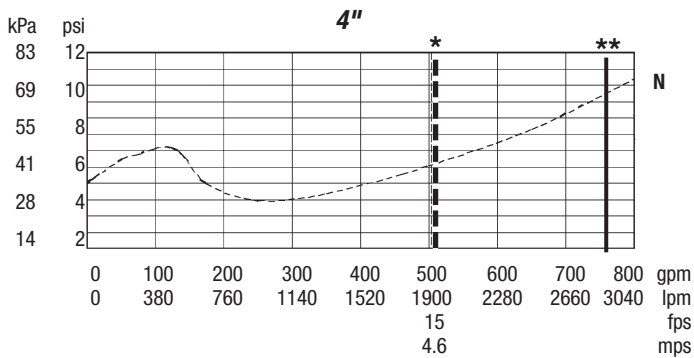
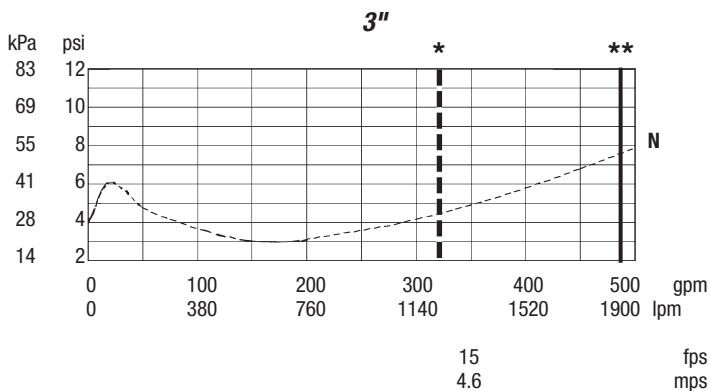
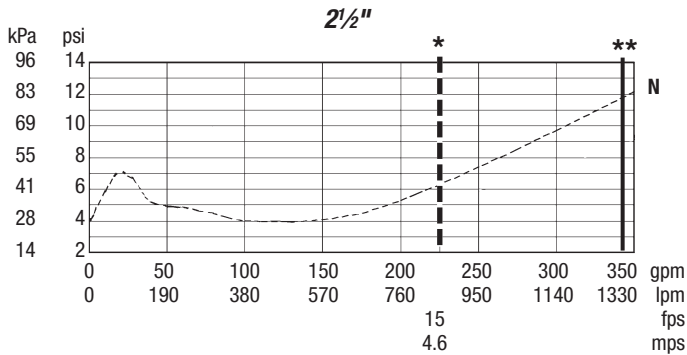
## Capacity

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 - - - - = N-Pattern



### NOTICE

Inquire with governing authorities for local installation requirements



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**USA: Backflow** Tel: (978) 689-6066 • Fax: (978) 975-8350 • [AmesFireWater.com](http://AmesFireWater.com)  
**USA: Control Valves** Tel: (713) 943-0688 • Fax: (713) 944-9445 • [AmesFireWater.com](http://AmesFireWater.com)  
**Canada:** Tel: (905) 332-4090 • Fax: (905) 332-7068 • [AmesFireWater.ca](http://AmesFireWater.ca)  
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