



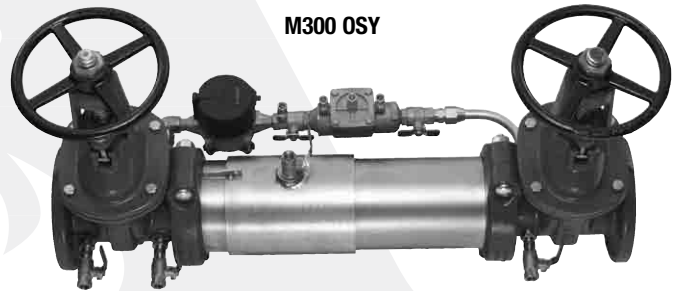
Maxim™ Series M300, M300N

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*

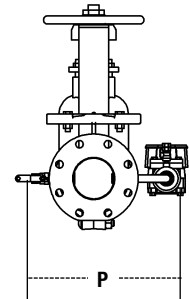
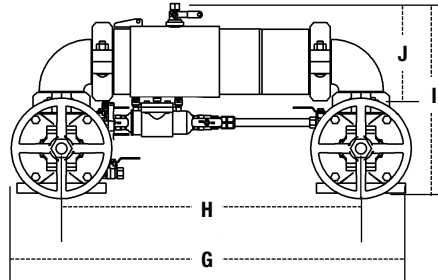
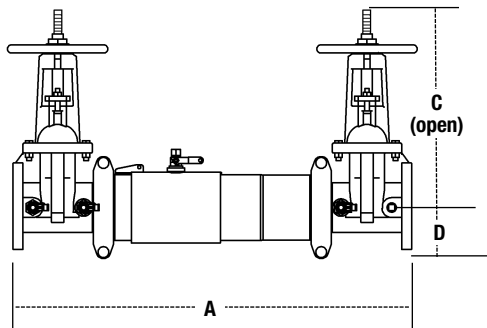
*Consult factory for dimensions

Pressure — Temperature

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

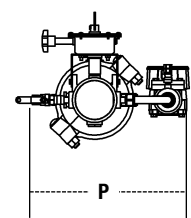
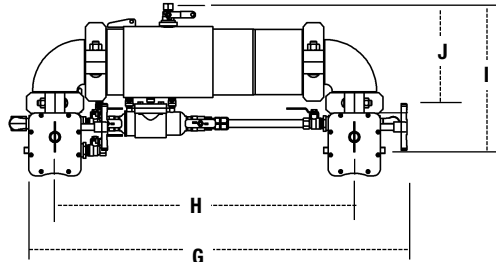
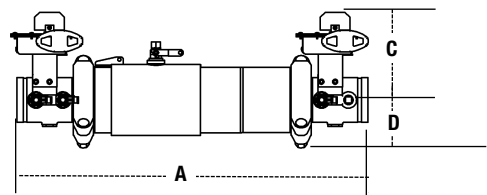
Maximum Working Pressure: 175psi (12.06 bar)

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 | 16 ³ / ₈ | 416 | 3½ | 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 ⁹ / 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 ³ / ₈ | 518 | 11 ¹¹ / ₁₆ | 297 | 15 ⁹ / ₁₆ | 386 | 233 | 106 | 256 | 116 |
| 6 | 150 | 48 ³ / ₁₆ | 1224 | 30 ¹ / ₈ | 765 | 6½ | 165 | 40 | 1016 | 38 | 965 | 24 ³ / ₄ | 629 | 14 ³ / ₁₆ | 360 | 19½ | 495 | 404 | 183 | 444 | 201 |
| 8 | 200 | 55 | 1397 | 37 ³ / ₄ | 959 | 7½ | 191 | 59 ¹ / ₈ | 1502 | 45 ⁵ / ₈ | 1159 | 28 ³ / ₈ | 721 | 16 ³ / ₄ | 425 | 21½ | 546 | 578 | 262 | 654 | 297 |
| 10 | 250 | 57½ | 1461 | 45 ³ / ₄ | 1162 | 8 ³ / ₁₆ | 208 | 66 | 1676 | 50 | 1270 | 32½ | 826 | 17 ⁵ / ₁₆ | 440 | 24 | 610 | 795 | 361 | 965 | 438 |

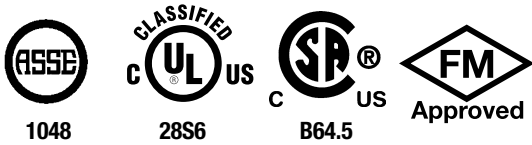


M300BFG, M300NBFG

| 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 | 29 ⁷ / ₈ | 759 | 22 ¹ / ₈ | 562 | 14 ¹⁵ / ₁₆ | 379 | 8 ¹³ / ₁₆ | 223 | 13 | 330 | 70 | 32 | 78 | 35 |
| 3 | 80 | 28½ | 724 | 8 ⁵ / ₁₆ | 211 | 3 ¹¹ / ₁₆ | 94 | 30 ³ / ₄ | 781 | 22 ³ / ₄ | 578 | 15 ⁷ / ₁₆ | 392 | 9 ⁹ / ₁₆ | 233 | 13½ | 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 |
| 6 | 150 | 40 ¹ / ₁₆ | 1033 | 10 | 254 | 6 | 152 | 47 ⁷ / ₁₆ | 1205 | 38 | 965 | 20 ¹¹ / ₁₆ | 525 | 14 ³ / ₁₆ | 360 | 19½ | 495 | 225 | 102 | 265 | 120 |
| 8 | 200 | 48 | 1219 | 12 ³ / ₁₆ | 310 | 6 ¹³ / ₁₆ | 173 | 56 | 1422 | 45 ⁵ / ₈ | 1159 | 24 ¹ / ₈ | 613 | 16 ³ / ₄ | 425 | 21½ | 546 | 359 | 163 | 435 | 197 |

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Approvals



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

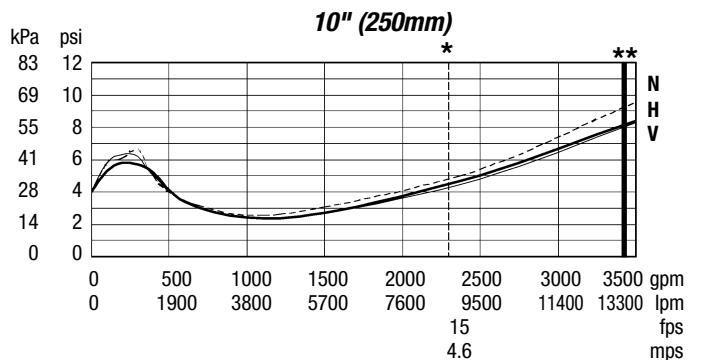
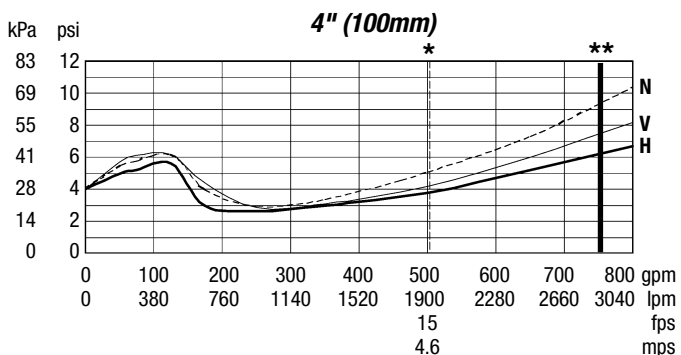
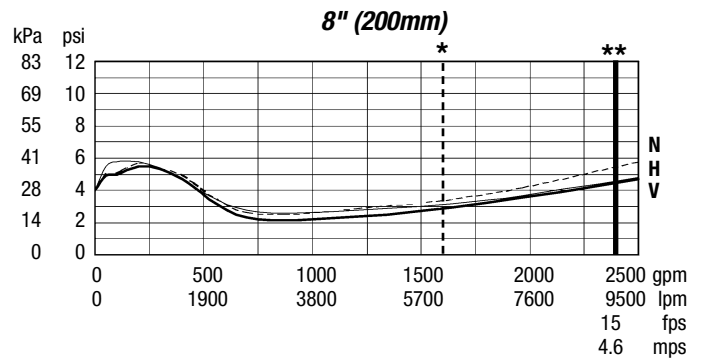
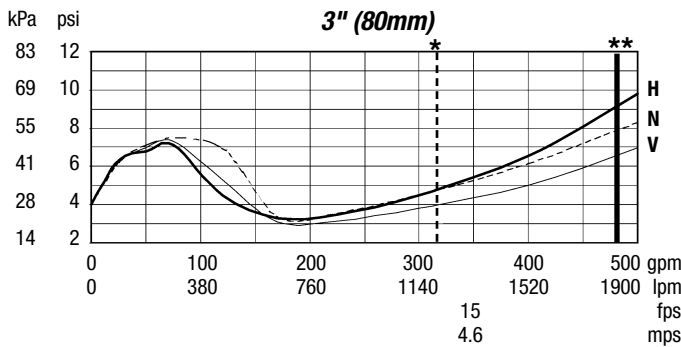
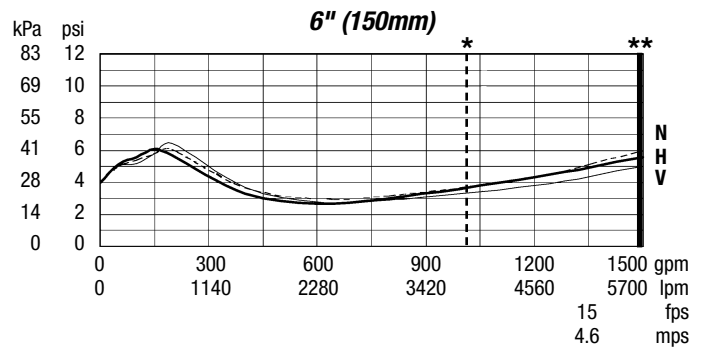
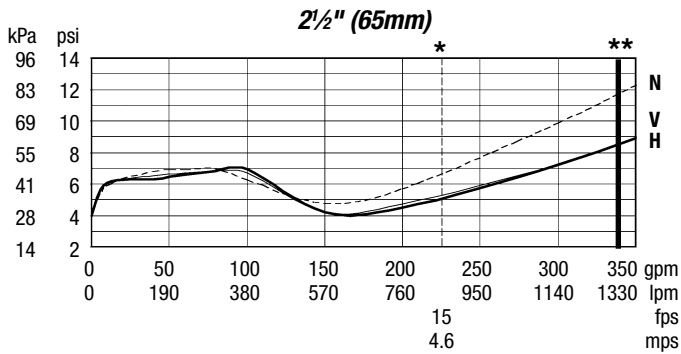
Capacity

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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