

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Colt™ Series C300 (Colt 300), C300N (Colt 300N) Double Check Detector Assemblies

Sizes: 2½" – 10" (65 – 250mm)

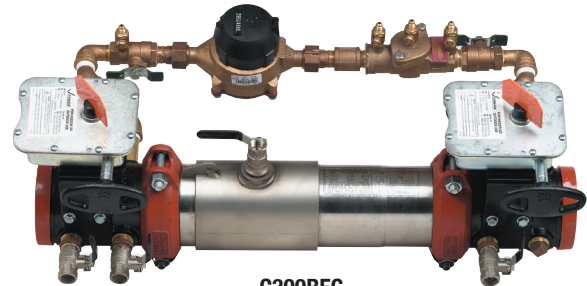
The Colt C300, C300N Double Check Detector Assemblies are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fire line, or industrial processing. The Colt C300, C300N may be installed under continuous pressure service and may be subjected to backpressure for non-toxic applications. The Colt C300, C300N is 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

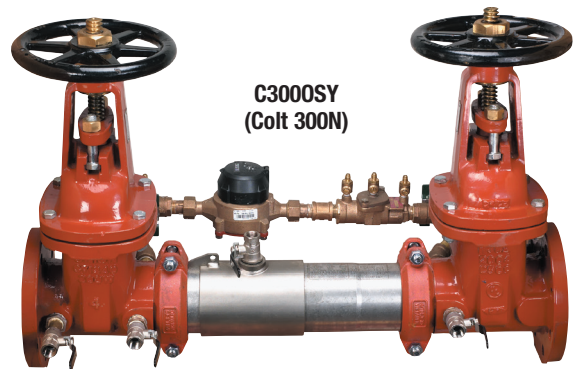
- Extremely Compact Design
- 70% Lighter than Traditional Designs
- 304 (Schedule 40) Stainless Steel Housing & Sleeve
- Groove Fittings Allow Integral Pipeline Adjustment
- Patented Tri-Link Check Provides Lowest Pressure Loss
- Unmatched Ease of Serviceability
- Available with Grooved Butterfly Valve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

Specifications

The Colt C300, C300N 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 Check 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 shall consist of a meter, which registers in either gallon or cubic measurement, a double check valve assembly and required test cocks. Assembly shall be a Colt C300, C300N as manufactured by the Ames Company.



**C300BFG
 (Colt 300BF)**



**C3000SY
 (Colt 300N)**

⚠ 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.

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.

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

- 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

Suffix:

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

BFG — UL/FM grooved gear operated butterfly valves with 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*

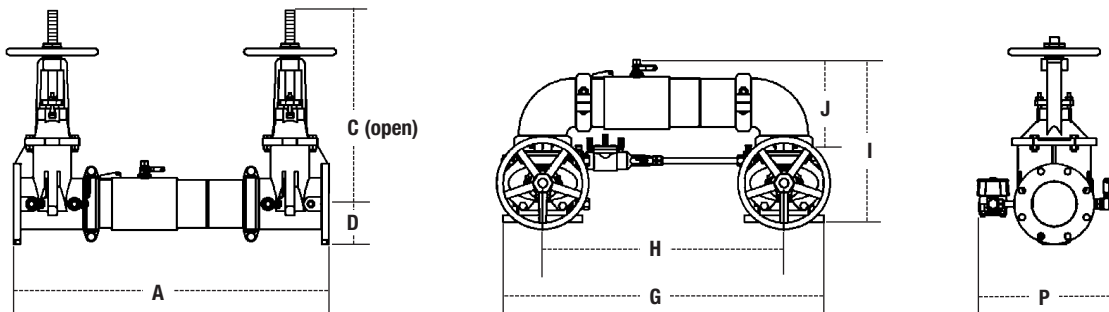
*Consult factory for dimensions

Dimensions — Weights

Pressure – Temperature

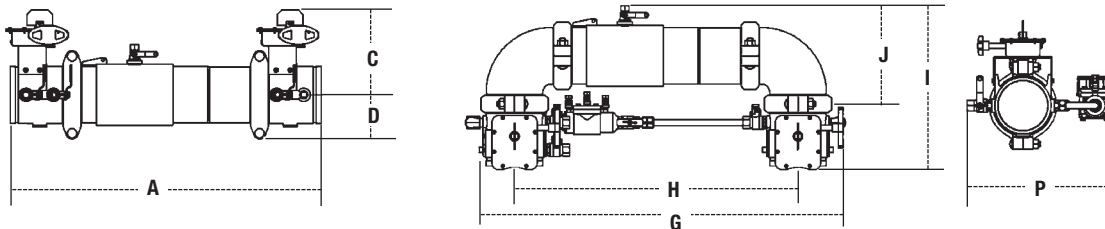
Temperature Range: 33°F – 140°F (0.5°C – 60°C)

Maximum Working Pressure: 175 psi (12.1 bar)



C300, C300N

| SIZE (DN) | | DIMENSIONS | | | | | | | | | | WEIGHT | | | | | | | | | |
|-----------|-----|------------|------|---------|------|-----|-----|-----|------|-----|------|--------|-----|-----|-----|-----|-----|------|------|-------|------|
| in. | mm | A | | C (OSY) | | D | | G | | H | | I | | J | | P | | C300 | | C300N | |
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kgs. | lbs. | kgs. |
| 2½ | 65 | 30¾ | 781 | 16⅞ | 416 | 3½ | 89 | 29⅞ | 738 | 21½ | 546 | 15½ | 393 | 8⅜ | 223 | 13⅜ | 335 | 139 | 63 | 147 | 67 |
| 3 | 80 | 31¾ | 806 | 18⅞ | 479 | 3⅜ | 94 | 30¼ | 768 | 22¼ | 565 | 17⅞ | 435 | 9⅞ | 233 | 14½ | 368 | 159 | 72 | 172 | 78 |
| 4 | 100 | 33¾ | 857 | 22¾ | 578 | 4 | 102 | 33 | 838 | 23½ | 597 | 18½ | 470 | 9⅞ | 252 | 15⅜ | 386 | 175 | 79 | 198 | 90 |
| 6 | 150 | 43½ | 1105 | 30⅞ | 765 | 5½ | 140 | 44¾ | 1137 | 33¼ | 845 | 23⅞ | 589 | 13⅞ | 332 | 19 | 483 | 309 | 140 | 350 | 159 |
| 8 | 200 | 49¾ | 1264 | 37¾ | 959 | 6⅜ | 170 | 54⅞ | 1375 | 40⅞ | 1019 | 27⅞ | 697 | 15⅞ | 399 | 21⅜ | 538 | 494 | 224 | 569 | 258 |
| 10 | 250 | 57¾ | 1467 | 45¾ | 1162 | 8⅞ | 208 | 66 | 1676 | 49½ | 1257 | 32½ | 826 | 17⅞ | 440 | 24 | 610 | 795 | 361 | 965 | 438 |



C300BFG, C300NBFG

| SIZE (DN) | | DIMENSIONS | | | | | | | | | | WEIGHT | | | | | | | | | |
|-----------|-----|------------|------|-----|-----|-----|-----|-----|------|-----|------|--------|-----|-----|-----|-----|-----|---------|------|----------|------|
| in. | mm | A | | C | | D | | G | | H | | I | | J | | P | | C300BFG | | C300NBFG | |
| | | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | lbs. | kgs. | lbs. | kgs. |
| 2½ | 65 | 27¾ | 705 | 8 | 203 | 3½ | 89 | 29⅞ | 759 | 21½ | 546 | 14⅞ | 379 | 8⅜ | 223 | 13 | 330 | 70 | 32 | 78 | 35 |
| 3 | 80 | 28¼ | 718 | 8⅞ | 211 | 3⅜ | 94 | 30⅞ | 779 | 22¼ | 565 | 15⅞ | 392 | 9⅞ | 233 | 13½ | 343 | 68 | 31 | 81 | 37 |
| 4 | 100 | 29 | 737 | 8⅞ | 227 | 3⅜ | 94 | 31⅞ | 811 | 23½ | 597 | 16¼ | 412 | 9⅞ | 252 | 14 | 356 | 75 | 34 | 98 | 44 |
| 6 | 150 | 36½ | 927 | 10 | 254 | 5 | 127 | 43⅞ | 1097 | 33¼ | 845 | 19⅞ | 500 | 13⅞ | 332 | 14½ | 368 | 131 | 59 | 171 | 78 |
| 8 | 200 | 42¾ | 1086 | 12¼ | 311 | 6½ | 165 | 51⅞ | 1297 | 40⅞ | 1019 | 23⅞ | 592 | 15⅞ | 399 | 18⅞ | 462 | 275 | 125 | 351 | 159 |

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)
- AWWA C551-92

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



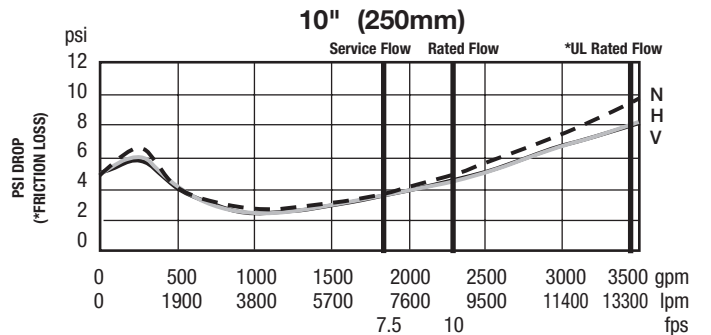
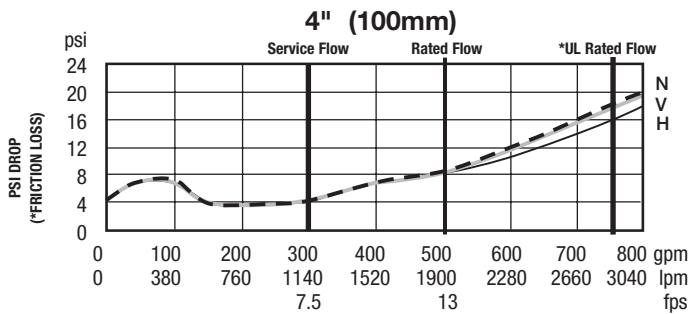
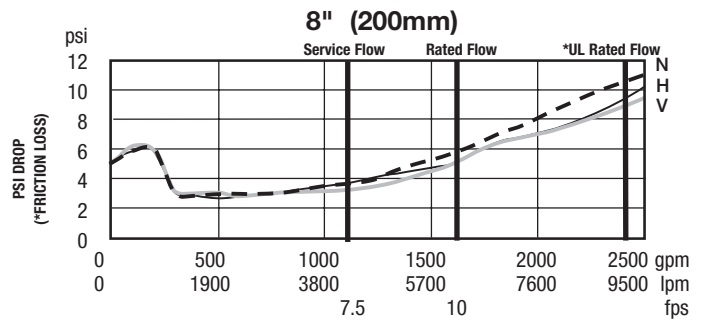
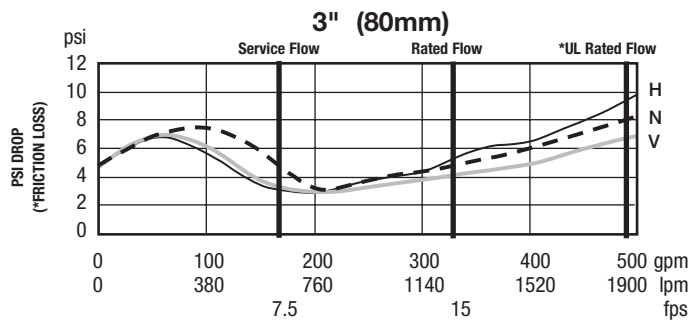
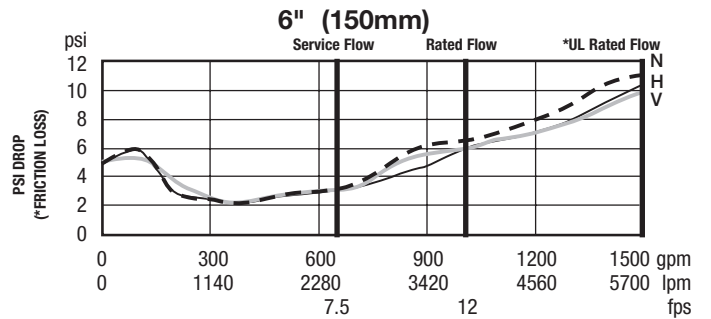
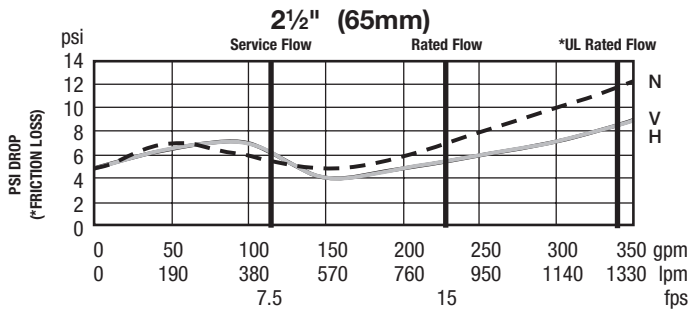
Capacity

UL/FM Certified Flow Characteristics
Flow characteristics collected using butterfly shutoff valves.

Flow capacity chart identifies valve performance based upon rated water velocity up to 25fps

- Service Flow is typically determined by a rated velocity of 7.5fps based upon schedule 40 pipe.
- Rated Flow identifies maximum continuous duty performance determined by AWWA.
- UL Flow Rate is 150% of Rated Flow and is not recommended for continuous duty.
- AWWA Manual M22 [Appendix C] recommends that the maximum water velocity in services be not more than 10fps.

_____ Horizontal _____ Vertical - - - - - N - Pattern



NOTICE

Inquire with governing authorities for local installation requirements



A WATTS Brand

ES-A-C300/C300N 1730

USA: Backflow Tel: (978) 689-6066 • Fax: (978) 975-8350 • AmesFireWater.com
USA: Control Valves Tel: (713) 943-0688 • Fax: (713) 944-9445 • AmesFireWater.com
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068 • AmesFireWater.ca
Latin America: Tel: (52) 81-1001-8600 • AmesFireWater.com

© 2018 Ames Fire & Waterworks