

Model M200 / M200N Double Check Valve Assemblies 2-1/2" to 10"

Models

- OSY - UL/FM outside stem and yoke resilient seated gate valves
- BFG - UL/FM grooved gear operated butterfly valves w/tamper switch
- NRS - non-rising stem resilient seated gate valves



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 Checks Provides Lowest Pressure Loss
- Unmatched Ease of Serviceability
- Available with Grooved Butterfly Valve Shutoffs
- Replaceable Check Disc Rubber

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

Pressure — Temperature

Temperature Range: 33°F – 140°F
Maximum Working Pressure: 175psi

Approvals

ASSE 1015, UL Listed 28S6, CSA B64.5, FM Approved, USC Approved.

MAXIM SERIES

Configurations

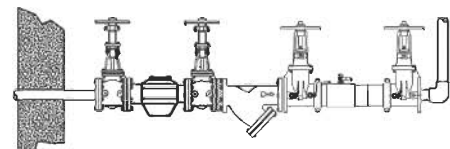
- Horizontal
- Vertical up
- "N" pattern horizontal

Specifications

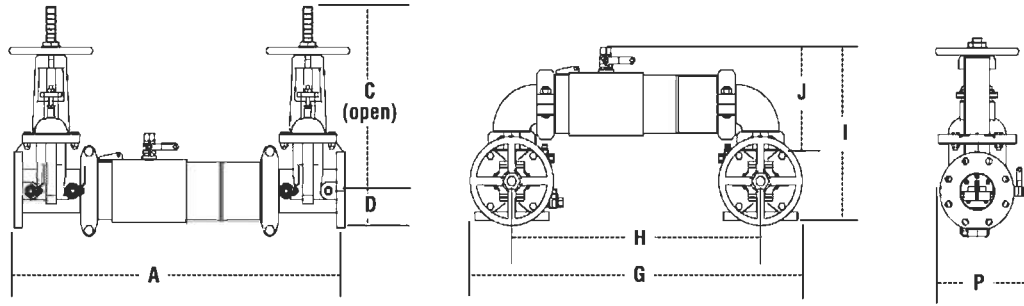
The Maxim M200/M200N Double Check Valve Assemblies are used to prevent backflow of pollutants, that are objectionable but not toxic, from entering the potable water supply system. The Maxim M200/M200N may be installed under continuous pressure service and may be subjected to back-pressure. For use in non-health hazard applications. The Double Check Valve 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. The housing shall be constructed with groove end connections. Tri-Link Checks shall produce drip tight closure against the reverse flow of liquid.

Installation

The system should be flushed before the valve is installed. The Series M200/M200N must be installed in accordance with the direction of the flow arrow on the assembly and according to the local water authority. The assembly should be installed with adequate clearance to allow inspection, testing and servicing. 12" should be the minimum clearance above grade.

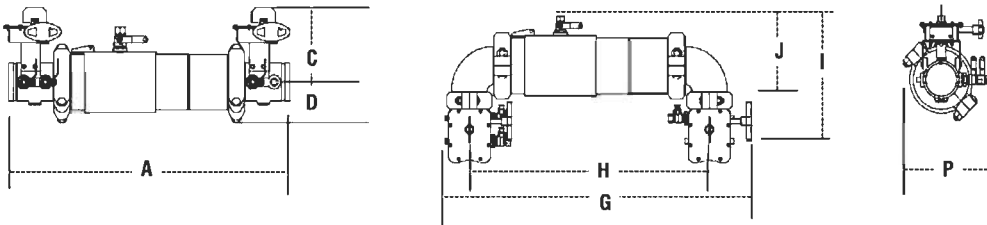


Horizontal Installation



M200/M200N

SIZE (DN)	DIMENSIONS										WEIGHT			
	A	C (OSY)	C (NRS)	D	G	H	I	J	P	M200OSY	M200NRS	M200NOSY	M200NNRS	
2½	31	16¾	9¾	3½	29⅛	22¾	15⅜	8⅜	9⅜	125	115	133	122	
3	31⅛	18¾	10¼	3⅛	30¾	22¾	17⅛	9⅜	10½	145	131	158	144	
4	33⅛	22¾	12⅜	4	33	30¾	18½	9⅜	11⅜	219	219	242	242	
6	44	30⅜	16	5½	44¾	38	23⅜	13⅜	15	390	368	430	408	
8	50	37¾	19⅜	6⅛	54⅜	45⅝	27⅜	15⅜	17⅜	564	522	640	598	
10	57½	45¾	23⅜	8⅜	66	50	32½	17⅜	20	781	721	951	890	



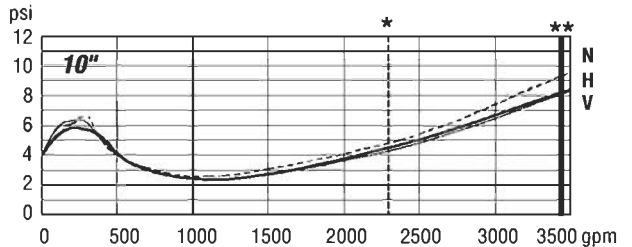
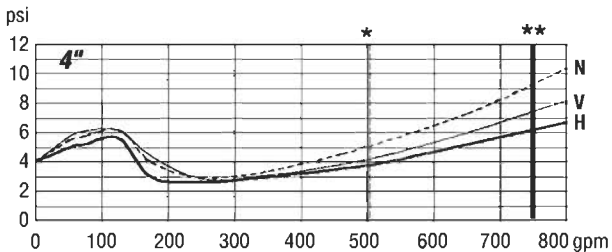
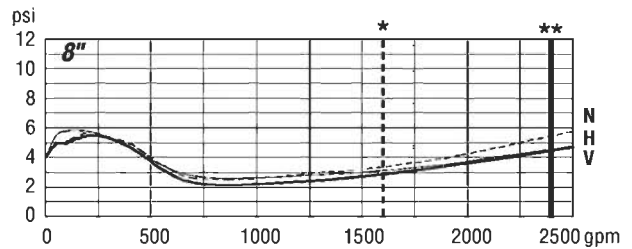
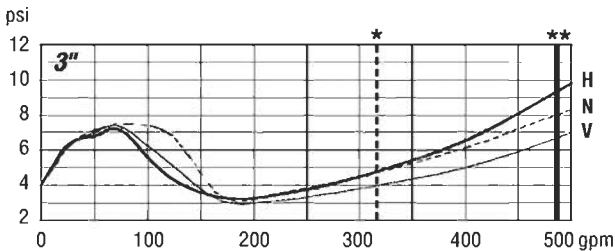
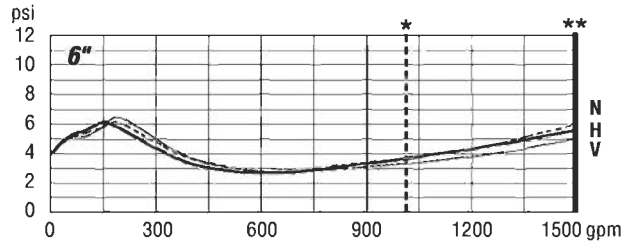
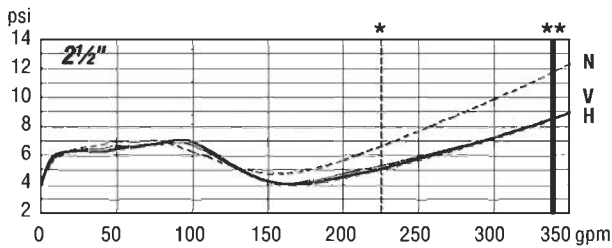
M200BFG/M200NBFG

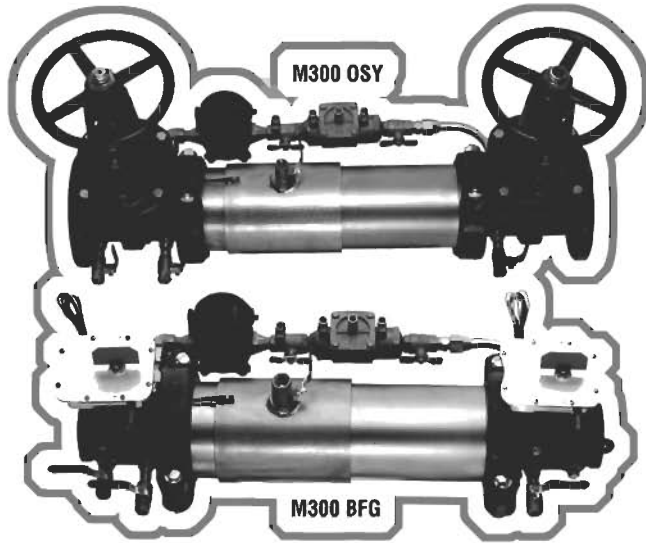
SIZE (DN)	DIMENSIONS									WEIGHT	
	A	C	D	G	H	I	J	P	M200BFG	M200NBFG	
2½	28	8	3½	29⅞	22⅛	14⅝	8⅜	9	56	64	
3	28½	8⅝	3⅛	30¾	22¾	15⅞	9⅜	9½	54	67	
4	36	8⅜	4⅜	39	30¾	18	11⅜	11	119	142	
6	40⅛	10	6	47⅞	38	20⅜	14⅜	15½	211	251	
8	48	12⅜	6⅜	56	45⅝	24⅞	16¾	17½	345	421	

Flow Curves

* = Rated flow ** = UL Tested

— Horizontal — Vertical - - - - N-Pattern





Model M300 / M300N Double Check Detector Assemblies 2-1/2" to 10"

Models

- OSY - UL/FM outside stem and yoke resilient seated gate valves
- BFG - UL/FM grooved gear operated butterfly valves w/tamper switch



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 Checks Provides Lowest Pressure Loss
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- Available with Grooved Butterfly Valve Shutoffs
- Replaceable Check Disc Rubber

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

Pressure — Temperature

Temperature Range: 33°F – 140°F
Maximum Working Pressure: 175psi

Approvals

ASSE 1048, UL Listed 28S6, CSA B64.5, FM Approved, USC Approved.

MAXIM SERIES

Configurations

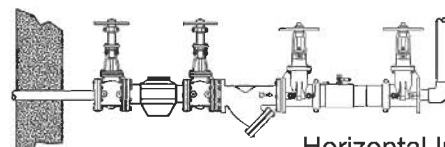
- Horizontal
- Vertical up
- "N" pattern horizontal

Specifications

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. For use in non-health hazard applications where it is necessary to monitor the unauthorized use of water. The DCDAs 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. The housing shall be constructed with groove end connections. The bypass assembly features a register meter, double check valve assembly, and the required test cocks.

Installation

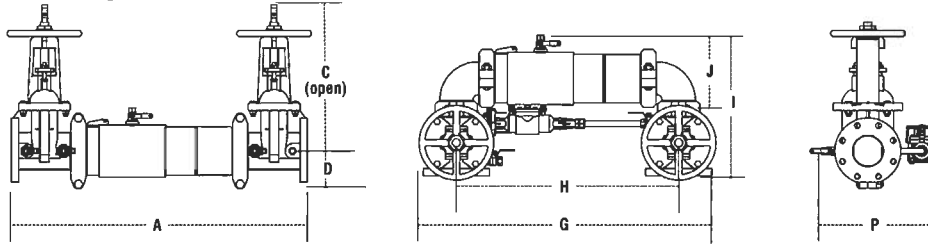
The system should be flushed before the valve is installed. The Series M300/M300N must be installed in accordance with the direction of the flow arrow on the assembly and according to the local water authority. The assembly should be installed with adequate clearance to allow inspection, testing and servicing. 12" should be the minimum clearance above grade.



Horizontal Installation

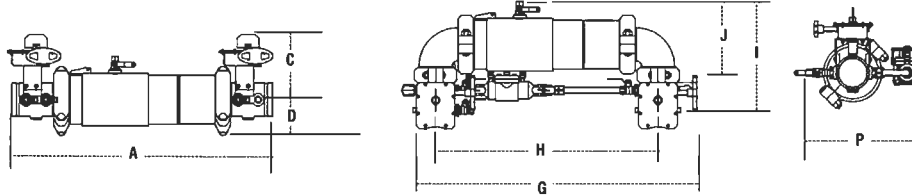
Dimensions — Weights

M300/M300N



SIZE (DN)	DIMENSIONS								WEIGHT	
	A	C (OSY)	D	G	H	I	J	P	M300	M300N
2 1/2	31	16 3/8	3 1/2	29 1/16	22 3/4	15 13/16	8 13/16	13 3/16	139	147
3	31 11/16	18 7/8	3 11/16	30 1/2	22 3/4	17 1/8	9 3/16	14 1/2	159	172
4	40 1/2	22 3/4	5	39 3/4	30 3/4	20 3/8	11 11/16	15 3/16	233	256
6	48 3/16	30 1/8	6 1/2	40	38	24 3/4	14 3/16	19 1/2	404	444
8	55	37 3/4	7 1/2	59 1/8	45 5/8	28 3/8	16 3/4	21 1/2	578	654
10	57 1/2	45 3/4	8 3/16	66	50	32 1/2	17 5/16	24	795	965

M300BFG/M300NBFG

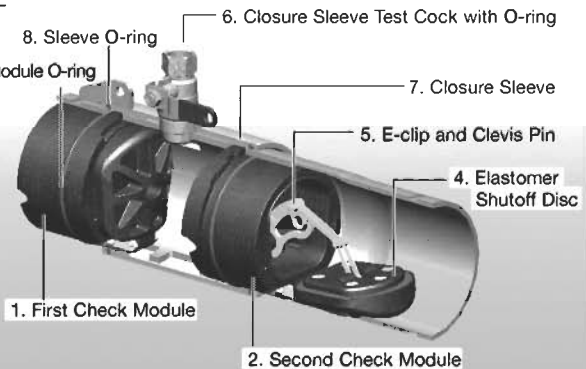


SIZE (DN)	DIMENSIONS								WEIGHT	
	A	C	D	G	H	I	J	P	M300BFG	M300NBFG
2 1/2	28	8	3 1/2	29 7/8	22 1/8	14 15/16	8 13/16	13	70	78
3	28 1/2	8 5/16	3 11/16	30 3/4	22 3/4	15 7/16	9 3/16	13 1/2	68	81
4	36	8 11/16	4 13/16	39	30 3/4	18	11 11/16	15	133	156
6	40 11/16	10	6	47 7/16	38	20 11/16	14 3/16	19 1/2	225	265
8	48	12 3/16	6 13/16	56	45 5/8	24 1/8	16 3/4	21 1/2	359	435

Flow Curves

Flow curves for this model are the same as the M200/M200N Model. See that product page for flow curves.

Repair Parts



Repair Parts - M200 / M200N & M300 / M300N Models

American Backflow Specialties

www.americanbackflow.com

(800) 66-BKFLOW

(619) 527-2525

Fax: (619) 527-2527

ITEM NO.	PART DESCRIPTION	2 1/2"	3"	4"	6"	8"	10"
1	FIRST CHECK MODULE	7018111	7018111	7018114	7018117	7018399	7018399
2	SECOND CHECK MODULE	7018113	7018113	7018116	7018119	7018400	7018400
3	CHECK MODULE O-RING	7017861	7017861	7017910	7013301	7018352	7018352
4	ELASTOMER SHUTOFF DISC	7017855	7017855	7017903	7017928	7018348	7018348
5	GROOVED CLEVIS PIN KIT (CONTAINS: "E" CLIP & CLEVIS PIN) 5 PER PACK	7018126	7018126	7018127	7018127	7018412	7018412
6	CLOSURE SLEEVE TEST-COCK WITH O-RING	7018152	7018152	7018153	7018153	7018153	7018153
7	CLOSURE SLEEVE	7017880	7017880	7017882	7017884	7017886	7017886
8	SLEEVE O-RING or GASKET (2 REQ'D)	7017896	7017896	7017921	7017944	7018339	7018339
NS	CHECK REPAIR KIT (CONTAINS: O-RING, SHUTOFF DISC & "E" CLIP)	7018123	7018123	7018124	7018125	7018414	7018414
NS	TEST COCK, .50 FPT X FPT WITH NIPPLE	7018394	7018394	7018394	N/A	N/A	N/A
NS	TEST COCK, .75 FPT X FPT WITH NIPPLE	N/A	N/A	N/A	7018395	7018395	7018395
NS	"E" CLIP	7017870	7017870	7017821	7017821	7017974	7017974
NS	GROOVE COUPLER	7017994	7017995	7017996	7017997	7018070	7018070
NS	SLEEVE COUPLER ASSEMBLY	N/A	N/A	N/A	7018122	7018413	7018413
NS	O-RING, #3 TEST COCK	7017897	7017897	7017897	7017897	7017897	7017897
NS	STAINLESS STEEL CHECK RETAINER	7018408	7018408	7018409	7018410	7018411	7018411