

Model 2000SE Double Detector Check Valve 6" to 8"

SPECIFICATIONS



FEATURES

- Short lay length makes retrofit easy
- Patented cam-check valve provides low headloss
- Stainless steel body is half the weight of competitive designs reducing installation and shipping costs
- Stainless steel body provides long term corrosion protection and maximum strength
- Easy maintenance via top mounted single access cover
- No special tools required for servicing
- Compact construction for smaller valve vaults and enclosures

This model is designed to prevent the reverse flow of polluted water from entering a potable water supply, and can be applied on non health hazard installations. It consists of two independently operating cam-check valves located between two resilient seated shut-offs with four test cocks.

The cam-check valves are constructed of thermoplastic, with stainless steel hinge pins, cam arm and bearing. The valves utilize a single torsion spring design to minimize pressure drop through the assembly. The check valves are modular and seal to the main body with an o-ring. The cam-check valve seats are also molded thermoplastic. The valve cover is held in place by a single grooved two-bolt coupling.

MODELS

Suffix:

- NRS - non-rising stem resilient seated gate valves
- OSY - UL/FM outside stem and yoke resilient seated gate valves
- LG - without shutoff valves

MATERIALS

All internal metal parts: 300 Series stainless steel

Main valve body: 300 Series stainless steel

Check assembly: Noryl®

Flange dimension in accordance with AWWA Class D

Noryl® is a registered trademark of General Electric Company.

PRESSURE - TEMP

Temperature Range: 33°F - 140°F

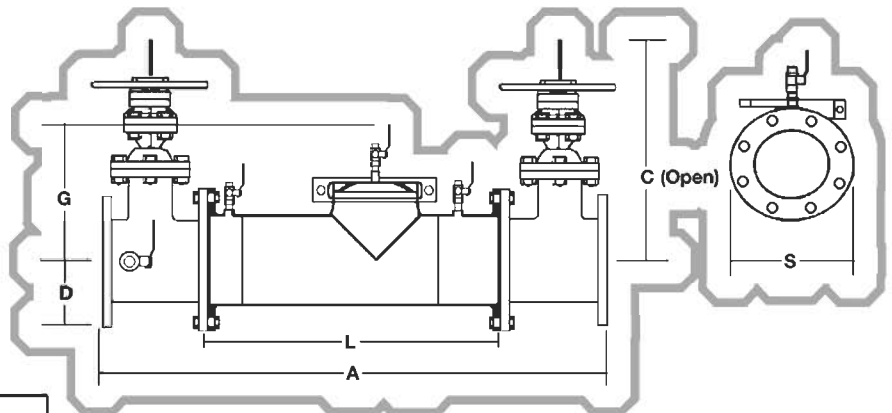
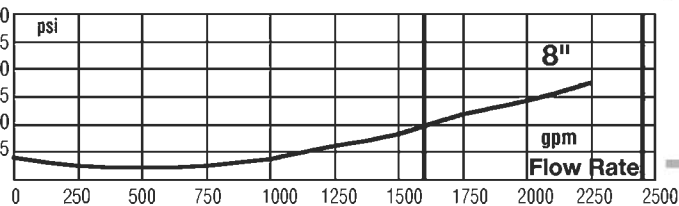
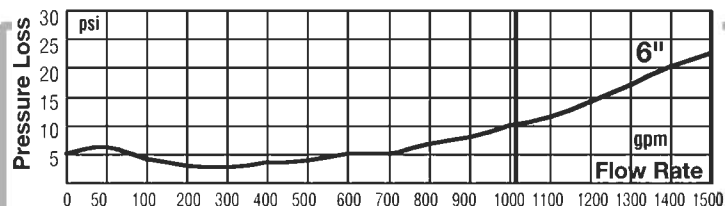
Maximum Working Pressure: 175psi

APPROVALS

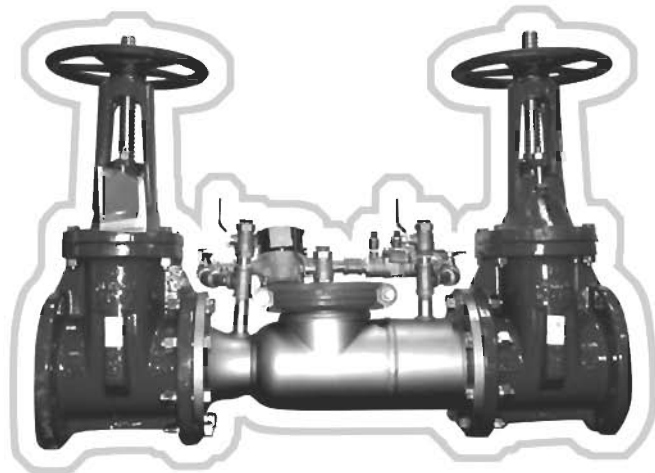
ASSE,
UL Classified (OSY models only)

Repair Parts for this model can be found after the 3000 SS model page.

FLOW CURVES



Size	A	C (OSY)	C(NRS)	D	G	L	S	Net Weight w/Gates	Net Weight w/o Gates
6	41½"	30¾"	16"	5½"	11½"	20"	11"	328	58
8	52½"	37¾"	19 ¹⁵ / ₁₆ "	6¾"	17½"	29½"	13½"	540	120



Model 3000SE Double Check Detector Assembly 6" to 8"

FEATURES

- Short lay length makes retrofit easy
- Patented cam-check valve provides low headloss
- Stainless steel body is half the weight of competitive designs reducing installation and shipping costs
- Stainless steel body provides long term corrosion protection and maximum strength
- Easy maintenance via top mounted single access cover
- No special tools required for servicing
- Compact construction for smaller valve vaults and enclosures
- 350psi hydrostatic test pressure

MODELS

- LG - without shutoff valves
- OSY - UL/FM outside stem and yoke resilient seated gate valves
- CFM - cubic feet per minute meter
- GPM - gallons per minute meter

MATERIALS

All internal metal parts: 300 Series stainless steel
 Main valve body: 300 Series stainless steel
 Check assembly: Noryl®
 Flange dimension in accordance with AWWA Class D

PRESSURE - TEMPERATURE

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

APPROVALS

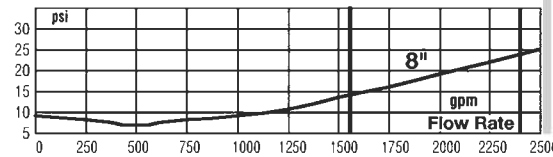
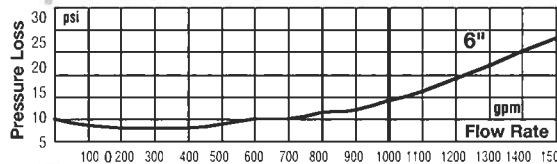
ASSE
 UL Classified (OSY only)

SPECIFICATIONS

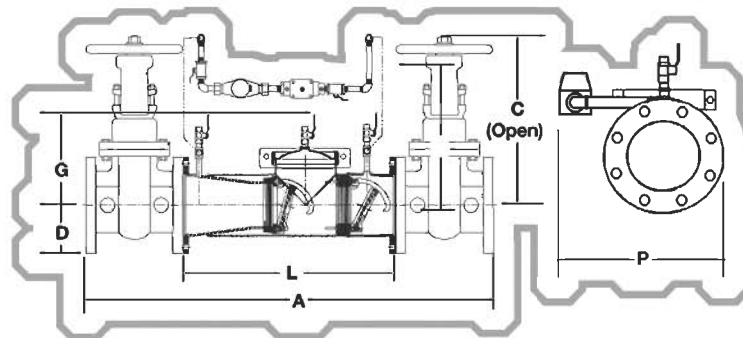
This model is designed to prevent the reverse flow of polluted water from entering a potable water supply, and can be applied on non health hazard installations. It consists of two independently operating cam-check valves located between two resilient seated shut-offs with four test cocks and a hydraulically balanced metered bypass line to detect low flows.

The cam-check valves are constructed of thermoplastic, with stainless steel hinge pins, cam arm and bearing. The valves utilize a single torsion spring design to minimize pressure drop through the assembly. The check valves are modular and seal to the main body with an o-ring. The cam-check valve seats are also molded thermoplastic. The valve cover is held in place by a single grooved two-bolt coupling. The assembly includes a metered bypass line, small double check and isolation valves.

FLOW CURVES



Repair Parts for this model can be found after the 3000 SS model page.



Size	A	OS&Y		D	G	L	P	Weight	
		C (open)						w/Gates	w/o Gates
6	41½	30⅝		5½	11⅝	20	16½	341	71
8	52½	37¾		6¾	17½	29½	17½	555	135

American Backflow Specialties

www.americanbackflow.com

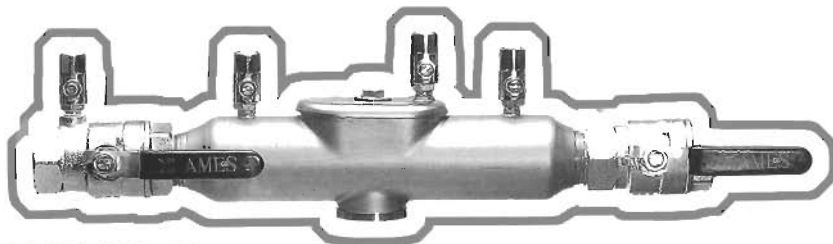
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Model 2000SS Double Check Detector Assembly 3/4" to 2"

FEATURES

- Non-corrosive 300 series stainless steel body construction.
- Single bolt O-ring seated stainless steel access cover for easy servicing.
- Cartridge check assembly for long term reliability and ease of serviceability.
- Simple service procedures, requires no special tools.
- Temperature rated to 110° F.
- 175 PSI rated working pressure.
- Assembly ASSE 1015 approved.
- Horizontal or vertical installation.
- Wye strainer optional.
- Straight through flow-way.
- Documented low pressure loss.

SPECIFICATIONS

The Ames 2000ss provides positive drip-tight closure against the reverse flow of non potable liquids caused by a cross connection. The 2000ss can be used in fire protection systems, plumbing systems, irrigation systems and other systems requiring low and intermediate hazard protection.

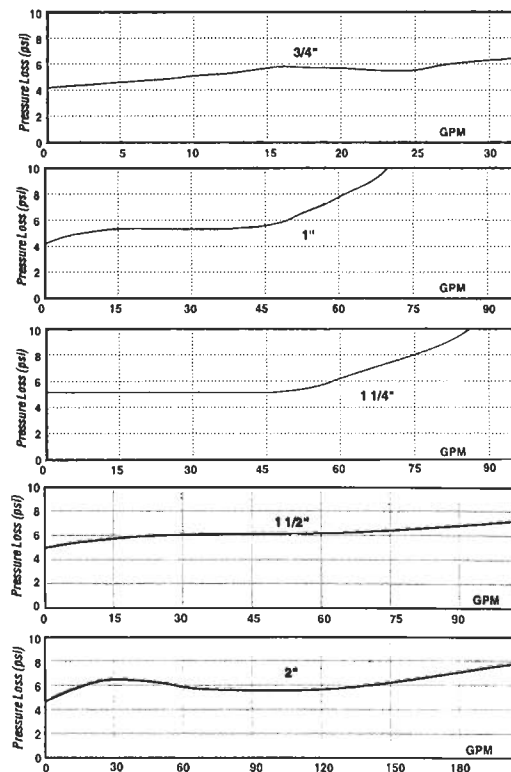
In normal flow conditions the independently operating cartridge checks remain closed until there is a demand for water. Each of the cartridge checks in series is designed to open at approximately (1) PSI pressure differential in the direction of flow. At cessation of flow or under a back pressure condition, both cartridge checks will close until the resumption of normal flow.

CHARACTERISTICS

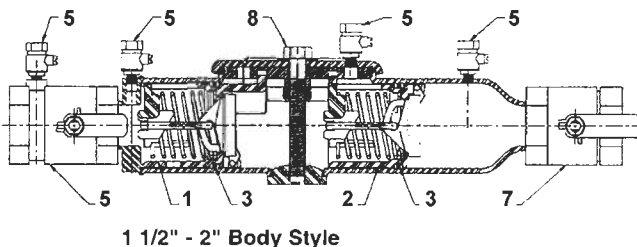
Rated working pressure - 175 psi
Temperature range - 32°F - 110°F
Construction 300 series stainless steel construction
Assembly ASSE 1015 approved



FLOW CURVES

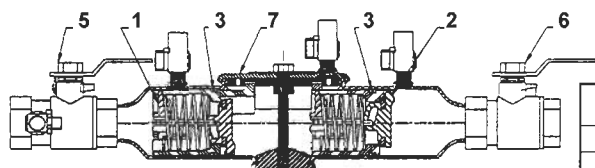


REPAIR PARTS

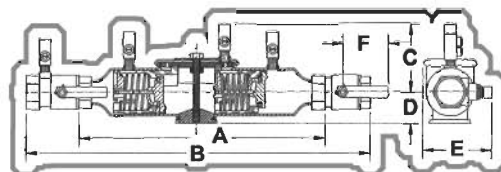


1 1/2" - 2" Body Style

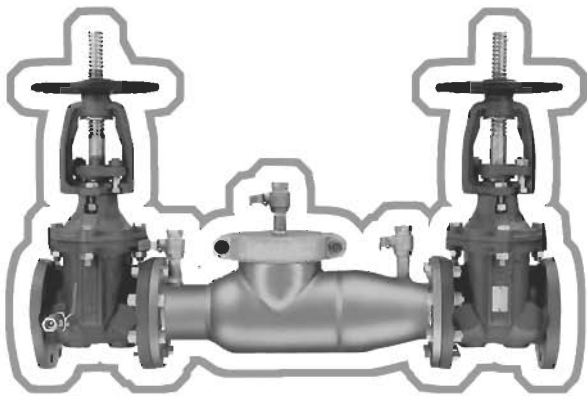
DESCRIPTION	QTY.	3/4", 1", 1-1/4"	1-1/2", 2"
1. 1st Cartridge Check Assy.	1	A00006-03500	A00006-04080
2. 2nd Cartridge Check Assy.	1	A00006-03501	A00006-04082
3. Cartridge Check O-Ring	1	A00006-03025	A00006-04014
4. Rubber Kit (Lid O-Ring, Cartridge Check O-Rings, Washer, Lid Bolt, Bottom Plug O-Ring, Lubricant (not shown))	1	A00006-03511	A00006-04098
5. Test Cock 1/8" x 1/4"	4	A00006-03117	A00006-03117
6. Shut-Off Ball Assembly Inlet-	1	3/4" A00006-03112	1-1/2" A00006-03109
	1	1" A00006-03114	2" A00006-03108
	1	1 1/4" A00006-03116	
7. Shut-Off Ball Assembly Outlet-	1	3/4" A00006-03111	1-1/2" A00006-03110
	1	1" A00006-03113	2" A00006-03107
	1	1 1/4" A00006-03115	
8. Lid Assembly (Lid, Lid Insert, Lid O-Ring, Nut, Bolt, Washer, Lubricant)	1	3/4" A00006-03505	A00006-04085
	1	1" A00006-03505	
	1	1 1/4" A00006-03509	



3/4" - 1 1/4" Body Style



SIZE	A	B	C	D	E	F	Net Wt. (lb.) w/Gates	Net Wt. (lb.) w/o Gates
3/4"	10 3/4"	15"	3"	1 1/2"	3 3/4"	4"	4.75#	3#
1"	10 3/4"	16"	3"	1 1/2"	4"	4 1/2"	5.75#	3#
1 1/4"	10 3/4"	16 1/2"	3"	1 1/2"	4 1/2"	4 3/4"	7#	3#
1 1/2"	15"	23 1/2"	4"	2 1/2"	5 1/2"	6 1/2"	20#	14#
2"	15"	25"	4"	2 1/2"	5 3/4"	6 1/2"	25#	14#



Model 2000SS Double Check Detector Valve 2-1/2" to 10"

FEATURES

- Patented Cam-Check Assembly provides low head loss
- Short lay length is ideally suited for retrofit installations
- Stainless Steel body is half the weight of competitive designs reducing installation and shipping cost
- Stainless steel construction provides long term corrosion protection and maximum strength
- Single top access cover with two-bolt grooved style coupling for ease of maintenance
- No special tools required for servicing
- Compact construction allows for smaller vaults and enclosures
- May be installed in horizontal or vertical "flow up" position

MODELS

- NRS – non-rising stem resilient seated gate valves
- OSY – UL/FM outside stem and yoke resilient seated gate valves
- 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
- LG – without shutoff valves

MATERIALS

All internal metal parts: 300 Series stainless steel
 Main valve body: 300 Series stainless steel
 Check assembly: Noryl[®]
 Flange dimension in accordance with AWWA Class D
 Noryl[®] is a registered trademark of General Electric Company.

Size	C		D	L	S	Weight		
	A	(OSY) (NRS)				Gates	w/o Gates	
2 1/2	37	16 3/8	9 3/8	3 3/8	22	7	140	53
3	38	18 3/8	10 3/4	3 3/4	22	7 1/2	215	55
4	40	22 3/4	12 3/16	4 1/2	22	9	225	58
6	48 1/2	30 1/8	16	5 1/2	27 1/2	11	375	105
8	52 1/2	37 3/4	19 15/16	6 3/4	29 1/2	13 1/2	561	169
10	55 1/2	45 3/4	23 13/16	8	29 1/2	16	763	179
12	57 1/2	53 1/4	26 3/4	9 1/2	29 1/2	19	1033	209

PRESSURE - TEMP

Temperature Range: 33°F – 110°F
 Maximum Working Pressure: 175psi

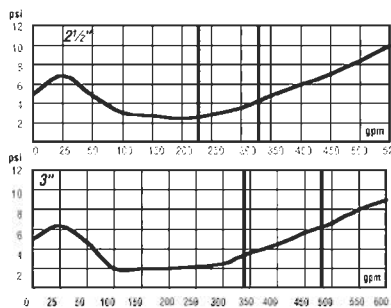
SPECIFICATIONS

A Double Check Valve Assembly shall be installed at each noted location to prevent the unwanted reversal of polluted water into the potable water supply. The main valve body shall be manufactured from 300 series stainless steel to provide corrosion resistance, 100% lead free through the waterway. The double check shall consist of two independently operated spring loaded cam-check valves, required test cocks, and optional inlet and outlet resilient seated shutoff valves. Each cam-check shall be internally loaded and provide a positive drip tight closure against the reverse flow of liquid caused by backsiphonage or backpressure. The modular cam-check includes a stainless steel spring and cam-arm, rubber faced disc and a replaceable seat. There shall be no brass or bronze parts used within the cam-check valve assembly. The valve cover shall be held in place through the use of a single grooved style two-bolt coupling. The main assembly shall consist of two independently operating torsion spring check assemblies, two resilient seated isolation valves, and four ball valve type test cocks. The assembly shall be an Ames Company Series 2000SS.

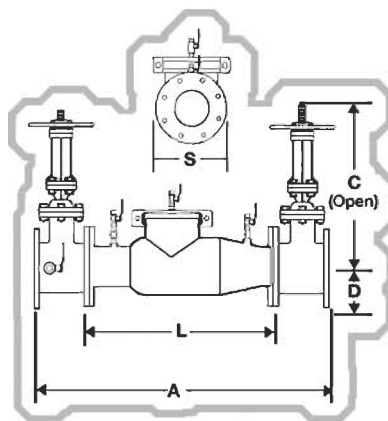
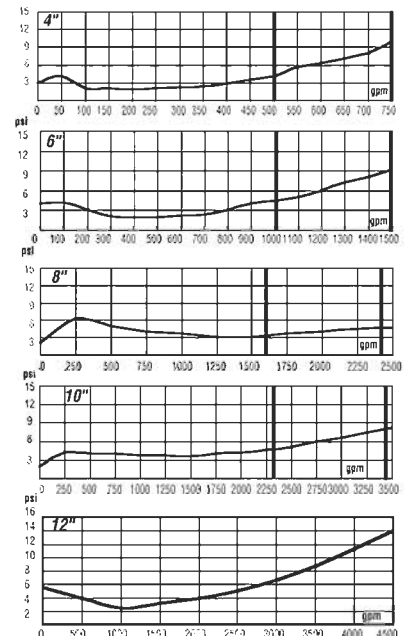
APPROVALS

ASSE, AWWA
 UL Classified (OSY only), FM

FLOW CURVES

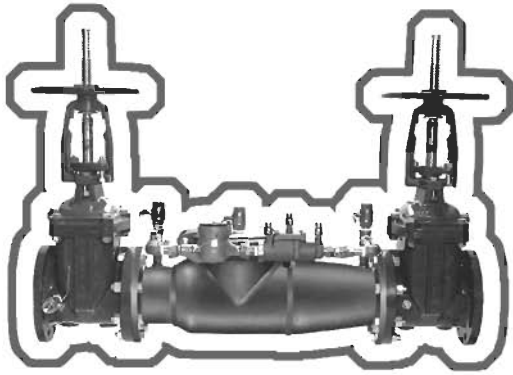


Repair Parts for this model can be found after the 3000 SS model page.



American Backflow Specialties

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Model 3000SS Double Check Detector Assembly 2-1/2" to 10"



FEATURES

- Patented Cam-Check Assembly valve provides low head loss
- Short lay length is ideally suited for retrofit installations
- Stainless Steel body is half the weight of competitive designs, provides long term corrosion protection and maximum strength
- Single top access cover with two-bolt grooved style coupling for ease of maintenance
- No special tools for servicing
- Compact construction allows for smaller vaults and enclosures
- Furnished with 5/8" x 3/4" bronze meter (gpm or cfm)
- Maybe installed horizontal or vertical "flow up" position

SPECIFICATIONS

A Double Check Detector Assembly shall be installed on fire protection systems when connected to a potable water supply. The DCDA consists of two independently operating, spring loaded check valves, two UL, FM, OSY resilient seated gate valves, and bypass assembly. Cam-check has a stainless steel arm and spring, rubber faced disc and a replaceable seat. The check valve seats shall be of molded thermoplastic construction. The bypass line shall be hydraulically sized to accurately measure low flow. The bypass line shall consist of a meter, a small diameter double check assembly with test cocks and isolation valves. The bypass line double check valve shall have a single access cover, two independently operating modular poppet check valves, and top mounted test cocks.

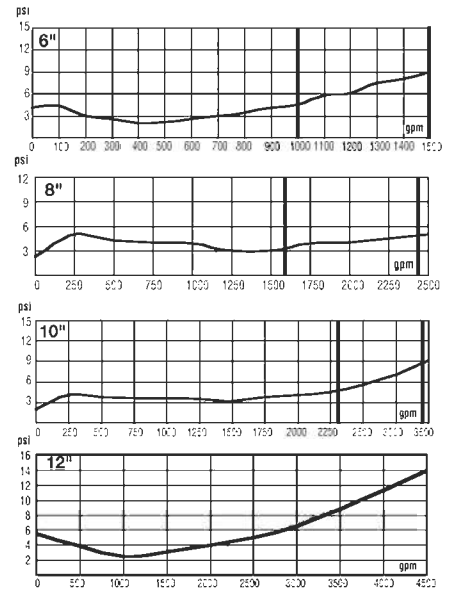
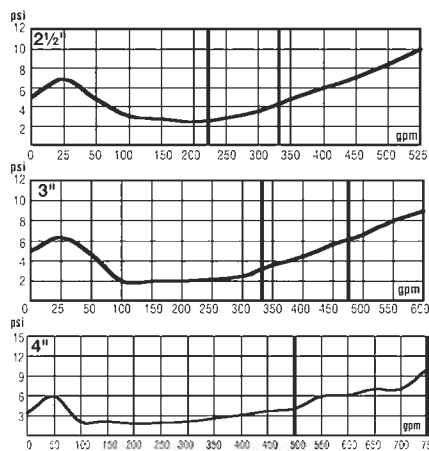
APPROVALS

UL Classified (OSY only), FM
(sizes 2 1/2" - 10", OSY only)
For 12" approvals consult factory. ASSE.

PRESSURE - TEMP

Temp Range: 33°F - 110°F
Max Working Pressure: 175psi

FLOW CURVES

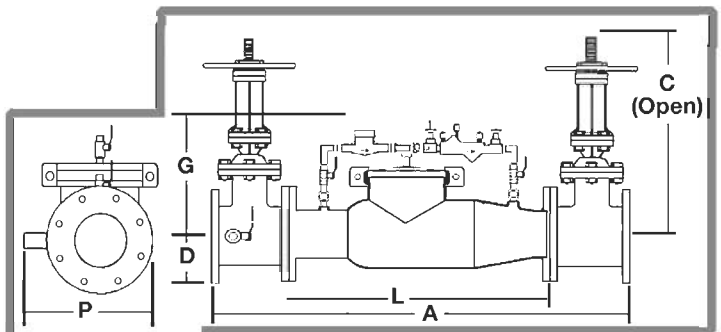


MODELS

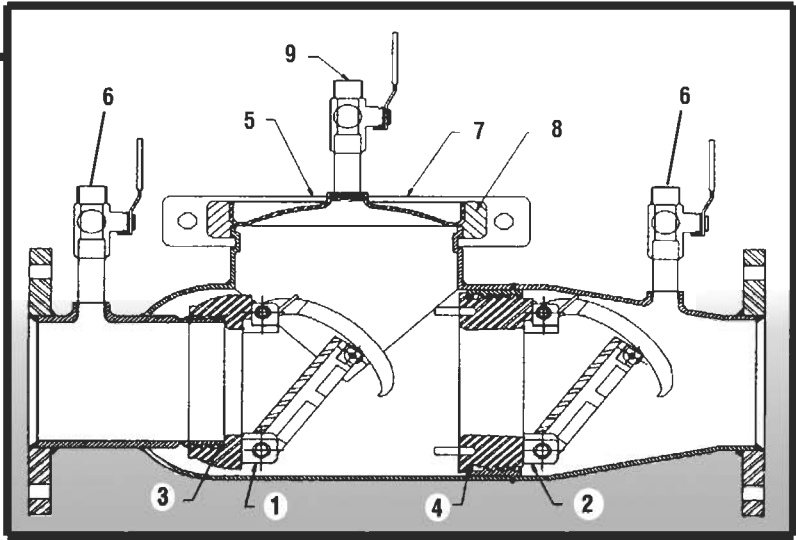
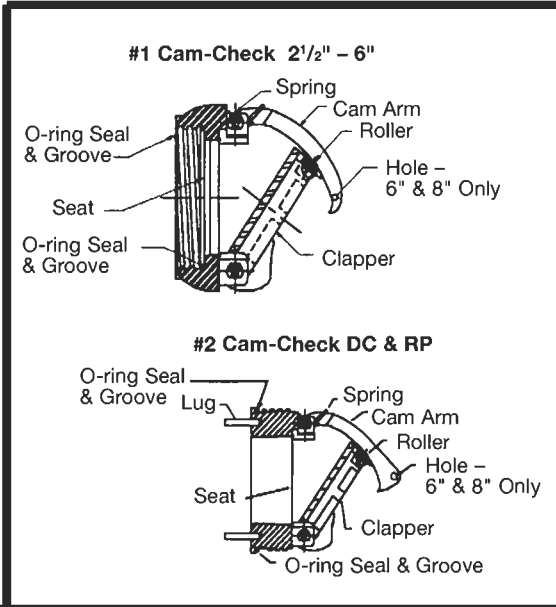
- LG - without shutoff valves
- OSY - UL/FM outside stem and yoke resilient seated gate valves
- OSY FxG - flanged inlet gate connection and grooved outlet gate connection
- OSY GxF - grooved inlet gate connection and flanged outlet gate connection
- OSY GxG - grooved inlet gate connection and grooved outlet gate connection
- CFM - cubic feet per minute
- GPM - gallons per minute meter

DIMENSIONS & WEIGHTS

Size	A	C (OSY)	D	G	L	P	Net Weight w/ Gates	Net Weight w/o Gates
2 1/2	37	16 3/8	3 1/2	10	22	12 1/2	155	68
3	38	18 1/8	3 3/4	10	22	13	230	70
4	40	22 3/4	4 1/2	10	22	14 1/2	240	73
6	48 1/2	30 1/8	5 1/2	15	27 1/2	15 1/2	390	120
8	52 1/2	37 3/4	6 3/4	15	29 1/2	18 1/2	572	180
10	55 1/2	45 3/4	8	15	29 1/2	19 1/2	774	190
12	57 1/2	53 1/8	9 1/2	15	29 1/2	21	1044	220

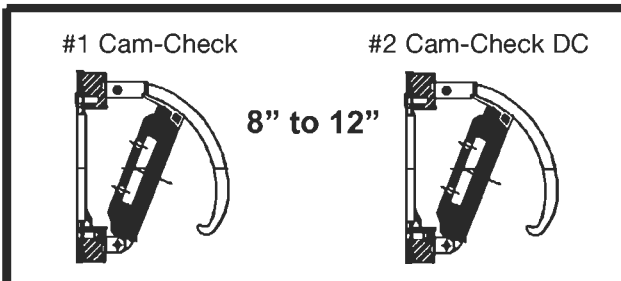


**MODELS 2000SS & 3000SS
2000SE & 3000SE
REPAIR PARTS**



Sizes 2-1/2" to 6" SS (6" & 8" SE) REPAIR PARTS

Item #	Description	Qty	2 1/2"SS	3"SS	4"SS	6"SS	6"SE	8"SE
1.	#1 Cam-Check	1	7015559	7015559	7015559	7015564	7015559	7015564
2.	#2 Cam-Check	1	7015560	7015560	7015560	7015565	7015560	7015565
3.	#1 Cam-Check O-ring	1	7015333	7015333	7015333	7013280	7015333	7013280
4.	#2 Cam-Check O-ring	1	7013229	7013229	7013229	7013281	7013229	7013281
5.	Cover Plate	1	7013241	7013241	7013241	7013289	7013474	7013289
6.	Ball Valve	2	A000449	A000449	A000449	A000449	A000449	A000449
7.	Groove Coupler	1	7013194	7013194	7013194	7013287	7013194	7013287
8.	Groove Coupler Gasket	1	7013248	7013248	7013194	7013308	7013248	7013308
9.	Ball Valve (Cover)	1	A603134	A603134	A603134	7013034	7013034	7013034



SIZES 8" through 12" REPAIR PARTS

Item #	Part Description	Qty	8" SS	10" SS	12" SS
1.	#1 Cam-Check	1	7015569	7015569	7015569
2.	#2 Cam-Check	1	7015569	7015569	7015569
3.	#1 Cam-Check O-ring	1	7011610	7011610	7011610
4.	#2 Cam-Check O-ring	1	7011610	7011610	7011610
5.	Ball Valve	4	A000449	A000449	A000449
6.	Cover Plate	1	7013495	7013495	7013495
7.	Groove Coupler	1	7018150	7018150	7018150
8.	Washer, shutoff disk	1	7013499	7013499	7013499
9.	Groove Coupler Gasket	1	7014806	7014806	7014806

