



Ball Check Valves

Storm Water and Wastewater Applications

- Threaded Model 208, 208B, 208T
- Flanged Model 408, 408²
- Threaded/Flanged Model 508



From America's #1 Ball Check Valve Manufacturer...

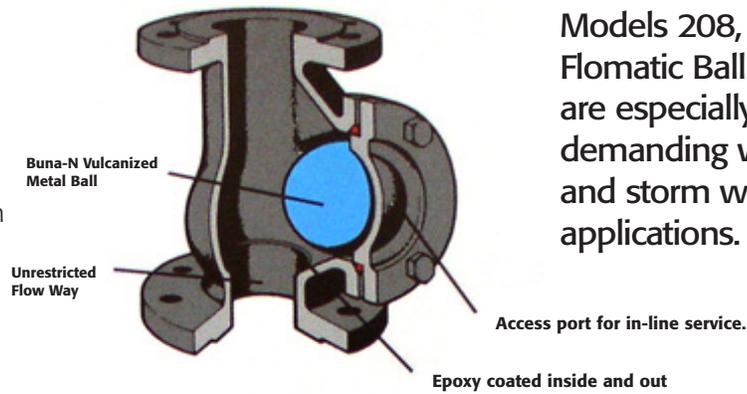
Benefits & Features

- Valves that end clogging
- Flow Efficient
- Low Maintenance Cost

Recommended for flow velocities of 3' to 5' per sec. Horizontal installation requires 20' static head for positive sealing.

Available in:

- Cast iron
- Ductile Iron
- Stainless Steel
- PVC



Models 208, 408, 408² and 508 Flomatic Ball Check Valves are especially designed for demanding wastewater and storm water pumping applications.

Model 508 (Formally Model 50)	Model 208	Model 408 & 408 ²
<p>3" 4"</p>	<p>1 1/4" - 2"</p>	<p>3" - 14"</p>

Model 208



Epoxy coated Cast Iron body Model 208. Features NITRILE (Buna-N) "Sinking Ball" or Floating Ball (ad "FB" to part number). E-Z access port for cleaning or backflush. Size Range: 1 1/4" - 1 1/2" 2". Temp Max: 180°(80C)

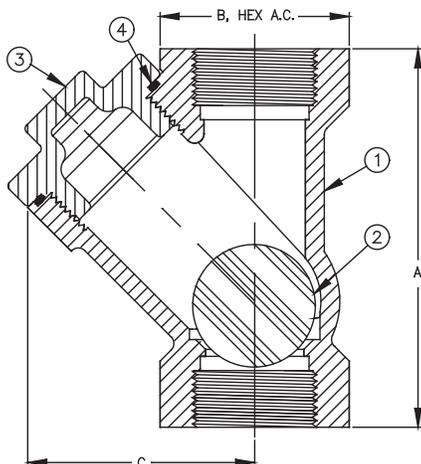
* Optional bosses for rail mounting available on the 208B model.

Model 208T



Model 208T, corrosion resistant PVC body. Threaded female x female connection. Nitrile (Buna-N) seal. Also available with PVC socket weld Model 208S. Sizes: 1", 1 1/4", 1 1/2", 2". Temp Max: 150°(65C) *Not for ground burial.*

Model 208 Ball Check Valve - Cast Iron

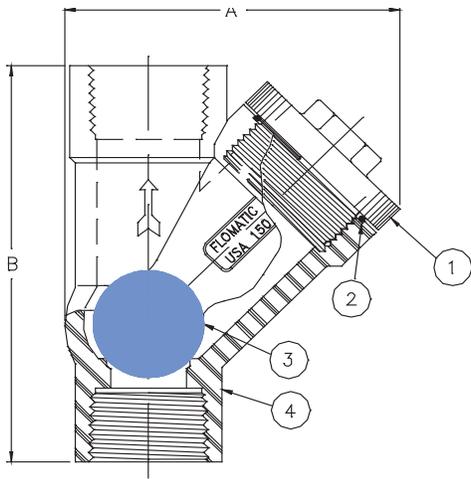


Size (in.)	Part #	A	B	C	WGT.(lbs.)
1 1/4"	2141	5 1/16"	2 1/2"	3"	4.5
1 1/2"	2142-0	6 3/4"	3 1/2"	4 3/16"	9.5
2"	2142	6 3/4"	3 1/2"	4 3/16"	9

Item	Qty.	Description	Material	ASTM#
1	1	Valve Body (EPOXY COATED)	Cast Iron	A126 Class B
2	1	Ball (SINKING)	Buna-N	-----
3	1	Cap	Cast Iron	A126 Class B
4	1	O-Ring	Buna-N	-----

Model 208T PVC Ball Check - Plastic

Size Range: 1" - 2"



"A"- Size	Part Number	A Maximum Width	B Maximum	Ball Diameter	Weight (Pounds)
1" - NPT	2131T	6 ²⁷ / ₃₂ "	4 1/2"	1 1/2"	1.0
1"-Socket	2131S	6 ²⁵ / ₃₂ "	4 1/2"	1 1/2"	1.0
1 1/4"-NPT	2132T	5 ²¹ / ₃₂ "	4 1/2"	1 1/2"	1.0
1 1/4"-Socket	2132S	5 5/8"	4 1/2"	1 1/2"	1.0
1 1/2"-NPT	2133T	8 ¹³ / ₆₄ "	6 ¹¹ / ₃₂ "	2 1/2"	1.5
1 1/2"-Socket	2133S	8 ¹³ / ₆₄ "	6 ¹¹ / ₃₂ "	2 1/2"	1.5
2"-NPT	2134T	7 1/16"	6 ¹¹ / ₃₂ "	2 1/2"	1.5
2"-Socket	2134S	7 1/16"	6 ¹¹ / ₃₂ "	2 1/2"	1.5

* Available NPT, BSPP or solvent weld connections. Valve can be used at temperatures up to 180°F(80°C).

- 1-PVC CAP
- 2-NITRILE "O" RING
- 3-NITRILE BALL
- 4-PVC BODY

- Add "T" after part number for NPT threads.
- Add "S" after part number for solvent weld.
- Add "P" after part number for BSPP threads.
- Not for ground burial.
- New Vacuum Relief feature to reduce water hammer & noise in pipe lines

Model 508 and 508FB

Size Range: 1" - 4"

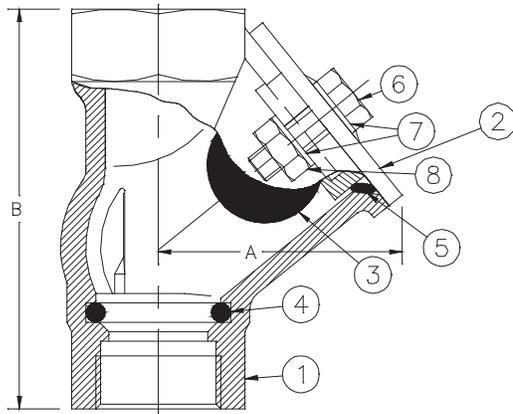


Epoxy coated Cast Iron body with corrosion resistant phenolic "Sinking Ball" (floating optional Model 508FB. Simple two bolt access cover for clean out. Feature replaceable NITRILE (Buna-N) valve seat.)

3" & 4" have no access cover
4" model is flanged.

Model 508/508FB are available in seven different sizes: 1", 1 1/4", 1 1/2", 2", 2 1/2", 3" and 4"

Model	Max. Temperature	Max. Pressure
508 and 508FB	180°F	150 PSI



Size	Part Number	"A"	"B"	Width	Weight (Pounds)
1"	3232	4 1/2"	2 ²¹ / ₃₂ "	3 ¹⁵ / ₁₆ "	3.5
1 1/4"	3233	5 ¹³ / ₆₄ "	3 ⁷ / ₆₄ "	4 1/4"	4.5
1 1/2"	3234	5 ⁴⁵ / ₆₄ "	3 ¹³ / ₃₂ "	4 ⁵¹ / ₆₄ "	6
2"	3235	6 ²⁷ / ₃₂ "	4"	5 ⁷ / ₁₆ "	8
2 1/2"	3236	7 7/8"	4 ²⁹ / ₃₂ "	6 1/4"	11.5
3"	2044	9 19/32"	5"	8 9/16"	30
4"	2045	10 ⁹ / ₁₆ "	6"	10 ¹⁹ / ₃₂ "	45

Item	Quantity	Description	Material	ASTM
1	1	Body (Epoxy Coated)	Cast Iron	A - 48
2	1	Cover (Epoxy Coated)	Cast Iron	A - 48
3	1	*Ball	Phenolic	—————
4	1	Seat Seal	Nitrile	—————
5	1	Bonnet Seal	Nitrile	—————
6	2	Bolt	Stainless Steel	304
7	4	Washer	Stainless Steel	304
8	2	Hex Nut	Stainless Steel	304

*FLOATING BALL ALSO AVAILABLE, ADD "FB" TO PART NUMBER
FOR REFERENCES USE ONLY, SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Model 408, 408² & 408FB

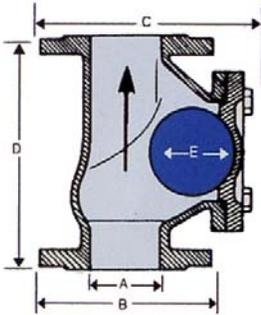
Size Range: 3" - 14"



A favorite and proven valve Model in the submersible water and wastewater industry for decades. The 408 features a clean-out port permitting access to the inside of the valve without removal from the pipe line. Flanged ANSI 125 connections. Model 408FB is equipped with a "floating" rather than a "sinking" ball to prevent backflow from drains.

Model 408/408²/408FB are available in eight different sizes: 3", 4", 5", 6", 8", 10", 12" and 14".

Model	Max. Temperature	Max. Pressure
408 and 408FB	180°F	150 PSI



On special request, Flomatic offers optional high temperature and chemical resistance Model 408SS, an all stainless steel valve body with Nitrile coated metal ball or solid glass filled Teflon Ball.

A Nominal Size	Part Number	C Maximum Width	D Length	E Ball Diameter	Bolt Circle Diameter	Bolt Hole Diameter	Number of Bolts	Weight (Pounds)
3"*	2144-2	10 1/4"	9 1/2"	3 15/16"	6"	3/4"	4	45
4"*	2145-2	11 3/4"	11 1/2"	4 23/32"	7 1/2"	3/4"	8	72
5"	2143	13 1/8"	13 25/32"	6 1/64"	8 1/2"	7/8"	8	85
6"	2146	14 27/32"	16 1/16"	7 1/4"	9 1/2"	7/8"	8	132
8"	2147	18 5/8"	19 11/16"	9 21/32"	11 3/4"	7/8"	8	218
10"	2148	22 59/64"	23 5/8"	11 13/16"	14 1/4"	1"	12	272
12"	2149	28 25/64"	27 35/64"	14 13/32"	17"	1"	12	541
14"	2150	32 9/32"	34 29/64"	16 35/64"	18 3/4"	1 1/8"	12	790

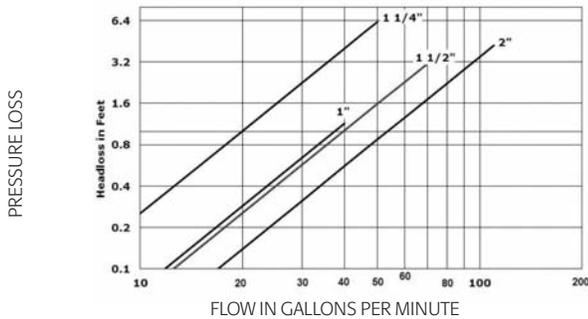
SPECIAL ADAPTATION:

All Model 408 valves can be equipped with optional Prox Switch. Optional corrosion resistant coatings are available.

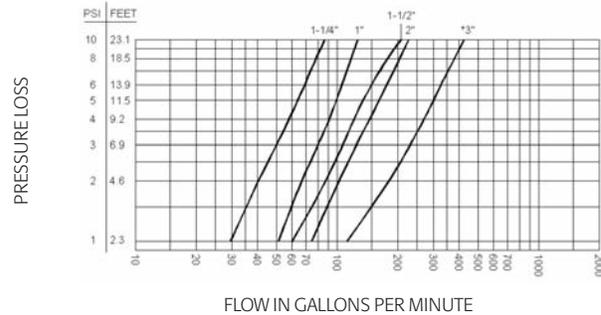
*Model 408²

HEADLOSS CHARTS

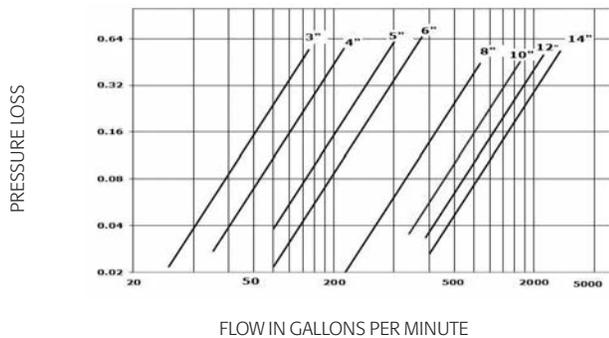
MODEL 208



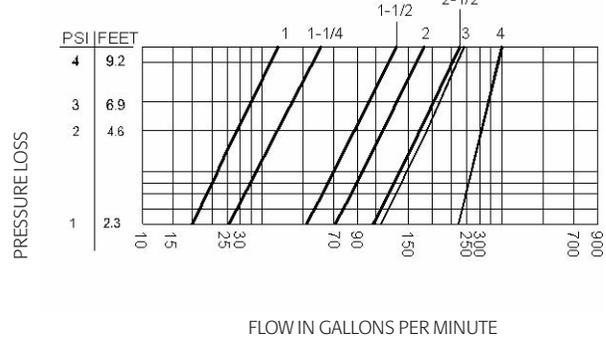
MODEL 208T



MODEL 408 & 408²



MODEL 508



Warranty: LIMITED ONE YEAR WARRANTY: The Flomatic Corporation warrants that its Ball Check Valves in all sizes are free from defects in materials and workmanship. Flomatic will replace any valve covered by this warranty found to be defective within one year from time of sale. This warranty will be void if the product has been modified in any way by the purchaser, or is subject to unreasonable use.



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