

Check Valves

Metal Hinged

U.S. Valve

Our new, high-performance check valves are significantly superior in quality to any other valves on the market today. If you are looking for top-of-the-line check valves, then our metal-hinge, double disc valves are exactly what you need.

Durable

Our metal-hinge check valves are designed and engineered to provide superior performance over a wide range of flows and fluid conditions.

Low Maintenance

You can install our check valves with confidence. A protective coating secures our valves against corrosion and enhances appearance, making priming and painting unnecessary. The seals, bolts and screws will stay securely in place and will perform as intended. All our valves 6" and larger have lifting eye-bolts.

Reliable

Each of our check valves is individually inspected and tested to ensure peak performance. Most manufacturers will check only random valves. **We test every, single one.**

Highest Quality

Our valves are designed and manufactured with the highest quality materials. All our valve plates, fittings, pins, springs and screws are 316 stainless steel.

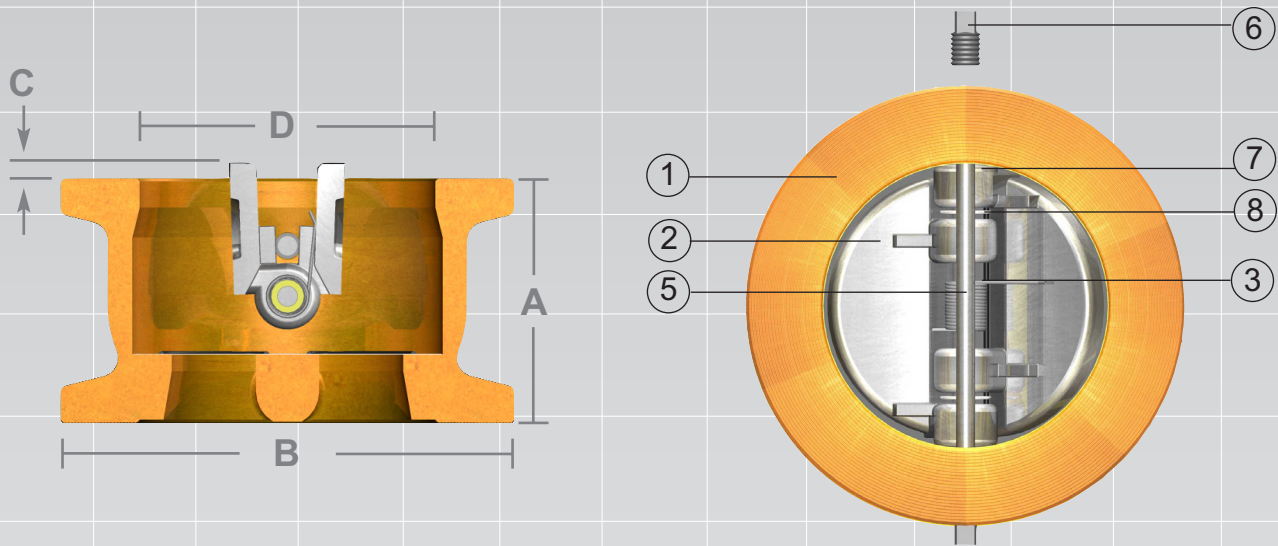
In Stock

We stock a vast inventory of valves so most common sizes and materials can ship the same day.

Dimensional Data: (inches)*

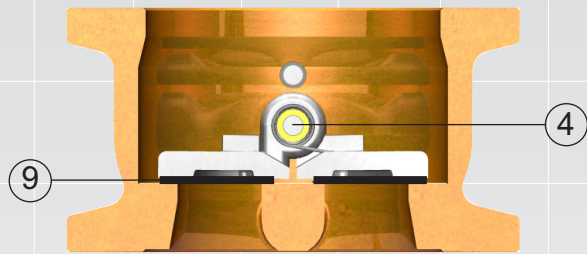
Valve Size	ANSI Class	A	B	C	D
2"	125	2 ¹ / ₈	4 ¹ / ₈	0	2.4
2"	150	2 ³ / ₈	4 ¹ / ₈	0	2.4
2"	300	2 ³ / ₈	4 ³ / ₈	0	2.4
2 ¹ / ₂ "	125	2 ¹ / ₈	4 ⁷ / ₈	.40	2.9
2 ¹ / ₂ "	150	2 ⁵ / ₈	4 ⁷ / ₈	.12	2.9
2 ¹ / ₂ "	300	2 ⁵ / ₈	5 ¹ / ₈	.12	2.9
3"	125	2 ¹ / ₄	5 ³ / ₈	.60	3.5
3"	150	2 ⁷ / ₈	5 ³ / ₈	.16	3.5
3"	300	2 ⁷ / ₈	5 ⁷ / ₈	.16	3.5
4"	125	2 ¹ / ₂	6 ⁷ / ₈	.90	4.5
4"	150	2 ⁷ / ₈	6 ⁷ / ₈	.71	4.5
4"	300	2 ⁷ / ₈	7 ¹ / ₈	.71	4.5
5"	125	2 ³ / ₄	7 ³ / ₄	0.9	5.6
5"	150	3 ³ / ₈	7 ³ / ₄	1.0	5.6
5"	300	3 ³ / ₈	8 ¹ / ₂	1.0	5.6
6"	125	3	8 ³ / ₄	1.7	6.6
6"	150	3 ⁷ / ₈	8 ³ / ₄	1.2	6.6
6"	300	3 ⁷ / ₈	9 ⁷ / ₈	1.2	6.6
8"	125	3 ³ / ₄	11	2.5	8.6
8"	150	5.0	11	2.3	8.6
8"	300	5.0	12 ¹ / ₈	2.3	8.6
10"	125	4 ¹ / ₄	13 ³ / ₈	3.3	10.8
10"	150	5 ³ / ₄	13 ³ / ₈	2.5	10.8
10"	300	5 ³ / ₄	14 ¹ / ₄	2.5	10.8
12"	125	5 ⁵ / ₈	16 ¹ / ₈	3.3	12.8
12"	150	7 ¹ / ₈	16 ¹ / ₈	2.7	12.8
12"	300	7 ¹ / ₈	16 ⁵ / ₈	2.7	12.8
14"	125	7 ¹ / ₄	17 ³ / ₄	3.1	14
14"	150	7 ¹ / ₄	17 ³ / ₄	3.1	14
16"	125	7 ¹ / ₂	20 ¹ / ₄	4.1	16
16"	150	7 ¹ / ₂	20 ¹ / ₄	4.1	16
18"	125	8	21 ⁵ / ₈	5.3	18
18"	150	8	21 ⁵ / ₈	5.3	18
20"	125	8 ³ / ₈	23 ⁷ / ₈	6.1	20
20"	150	8 ⁵ / ₈	23 ⁷ / ₈	6.1	20
24"	125	8 ³ / ₄	28 ¹ / ₄	7.7	24
24"	150	8 ³ / ₄	28 ¹ / ₄	7.7	24

*All dimensions ± .060"



Parts and Description:

Item	Description
①	Body
②	Plate
③	Spring
④	Hinge Pin
⑤	Stop Pin
⑥	Plug
⑦	Body Bearing
⑧	Plate Bearing
⑨	Seal



Standard Metal Hinged Models and Materials*

Model	Body	Discs
31-1-4	Carbon Steel ASTM A216 WCB	Stainless Steel ASTM A351 CF8M (316)
31-2-4	Cast Iron ASTM A126 Gr.B	Stainless Steel ASTM A351 CF8M (316)
31-4-4	Stainless Steel ASTM A351 CF8M (316)	Stainless Steel ASTM A351 CF8M (316)

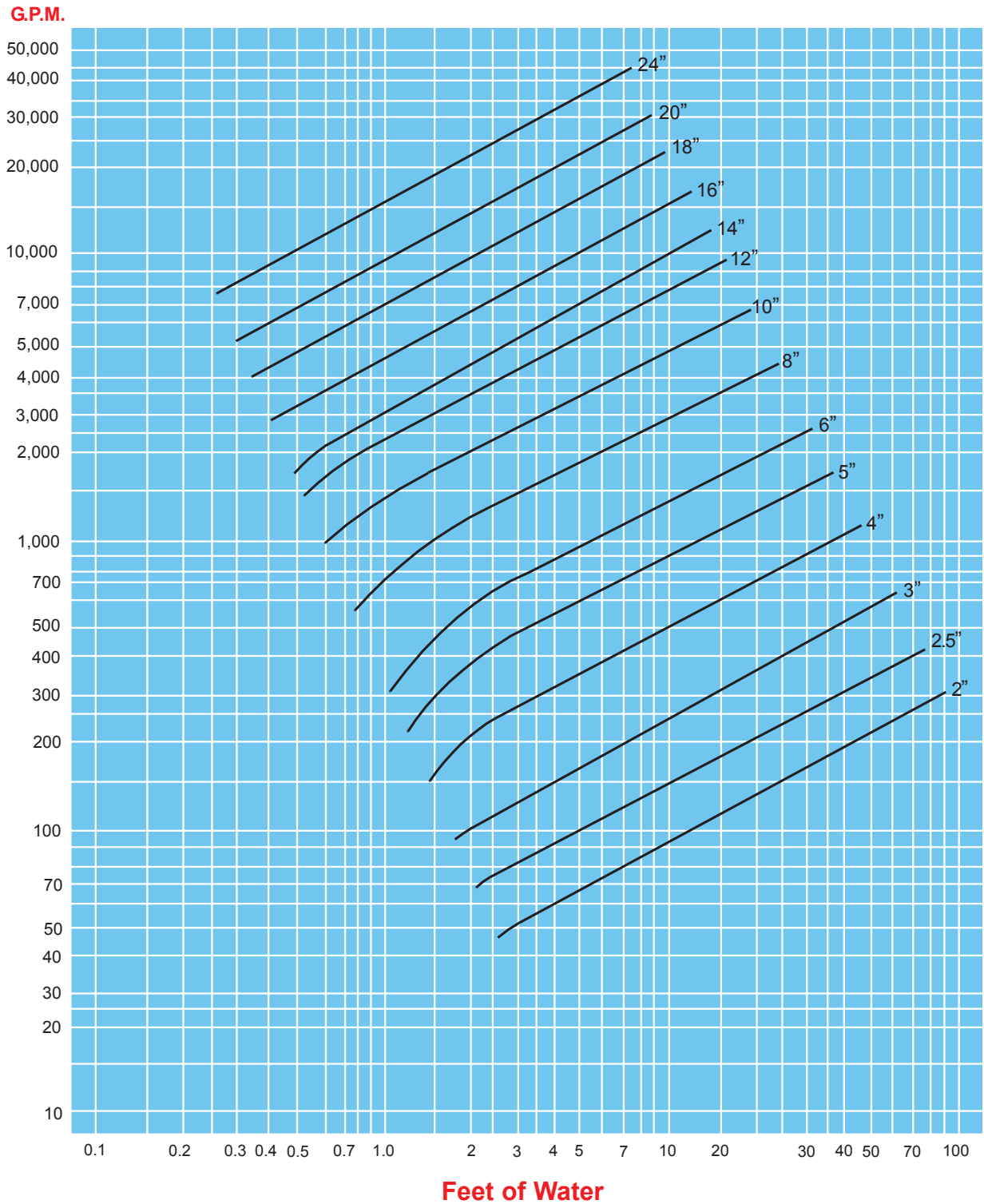
*All fasteners, stop and hinge pins, and springs are 316 stainless steel. For metal hinged valves, EPDM is standard seal on all cast iron valves. Buna is standard on all carbon steel and VITON on all stainless steel valves. Consult factory for any other special material requirements. Valves 5" and smaller have one 316 stainless steel spring. Valves 6" and larger have two 316 stainless steel springs.



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Pressure Loss Chart:



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