



Gray cast iron is the most versatile of all foundry metals. Its high carbon percentage makes foundry fusion and manufacturing of machinery easier. This grade of iron has a high resistance and it obtains its maximum hardness as a result of a refined control of the chemical composition, size, and type of the graphite flake. D-LINE® cast iron valves are designed under MSS-SP, ASME, ANSI standards to meet the quality required by the market.

APPLICATIONS

D-LINE® Check Valves serve multi-national end users in a wide range of applications in many industries including:

- Water Treatment
- Food industries
- Waste treatment
- Oil & Gas industries
- Steam services

DESIGN FEATURES

- Swing check valve
- Face to face to per ANSI B16.10
- Flange dimensions to per ASME B16.1
- Shell wall thickness to per ASME B16.34
- Valve design to per MSS SP-70
- Bronze seat
- Steam service working pressure: 125 PSI
- WOG service working pressure: 200 PSI

TEST SPECIFICATION	
TEST ACCORDANCE TO PER API 598	
CLASS	125
NOMINAL PRESSURE	125 PSI
SHELL TEST (WATER)	350 PSI
SEAT TEST (WATER)	200 PSI
AIR TEST	87 PSI

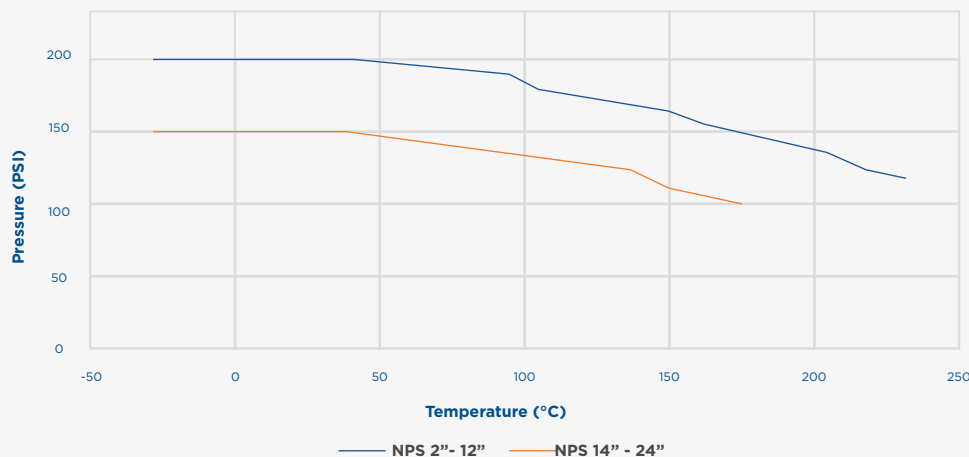
FEATURES	
SIZE	2" - 12"
CLASS	125
CONNECTION	FF
TEMPERATURE	-29°C TO 232°C

MARKING BODY	
FRONT	BACK
3	CL.B
	
125	

PRESSURE - TEMPERATURE RATING

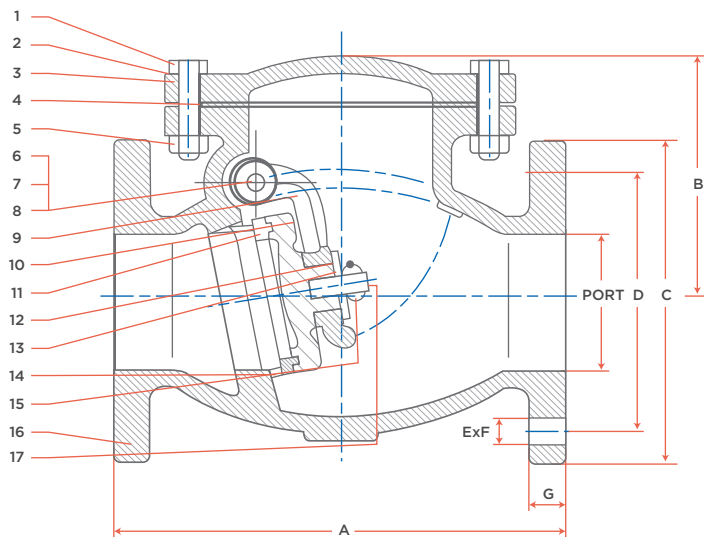
These are conservative guide for general service.

Previous experience in process or new development may permit applications above those shown.



Cast Iron ASTM A-126 Gr. B
MSS SP-70 Ratings
Material Limits

DIMENSIONS



VALVE MATERIAL LIST		
No.	DESCRIPTION	MATERIAL
1	BOLTS	ASTM A-307 Gr. B
2	NAMEPLATE	ALUMINIUM
3	COVER	ASTM A-126 Gr. B
4	BODY GASKET	GRAPHITE
5	NUTS	ASTM A-563 Gr. A
6	SIDE PLUG	ASTM B16
7	GASKET	FIBER
8	HANGER PIN	ASTM B16
9	HANGER	ASTM A-536 Gr. 65-45-12
10	DISC	ASTM A-126 Gr. B
11	DISC RING	ASTM B62
12	WASHER	ASTM A-307 Gr. B
13	SPLIT PIN	ASTM A-276 Gr. 420
14	SEAT RING	ASTM B62
15	DISC NUT	ASTM A-307 Gr. B
16	BODY	ASTM A-126 Gr. B
17	STUD BOLT	ASTM A-307 Gr. B

VALVE DIMENSIONS & WEIGHTS												
MODEL	SIZE		PORT	A	B	C	D	E	F	G	WEIGHT (KG)	CRACKING PRESSURE (PSI)
244BR-09	2"	DN50	2.00	8.00	4.45	6.00	4.76	4.00	0.75	0.63	9.35	0.40
244BR-10	2 1/2"	DN65	2.50	8.50	5.24	7.00	5.51	4.00	0.75	0.69	12.88	0.40
244BR-11	3"	DN80	3.00	9.50	5.67	7.50	6.00	4.00	0.75	0.75	15.90	0.40
244BR-12	4"	DN100	4.00	11.50	6.61	9.00	7.50	8.00	0.75	0.94	27.90	0.40
244BR-13	5"	DN125	5.00	13.00	7.80	10.00	8.50	8.00	0.87	0.94	31.85	0.40
244BR-14	6"	DN150	6.00	14.00	8.54	11.00	9.50	8.00	0.87	1.00	41.55	0.40
244BR-15	8"	DN200	8.00	19.50	10.27	13.50	11.75	8.00	0.87	1.12	82.70	0.40
244BR-16	10"	DN250	10.00	24.50	11.30	16.00	14.25	12.00	1.00	1.19	150.00	0.40
244BR-17	12"	DN300	12.00	27.50	12.56	19.00	17.00	12.00	1.00	1.25	226.05	0.40

*WEIGHT IS ESTIMATED

*ALL DIMENSIONS ARE EXPRESSED IN INCHES



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