ONE PIECE BALL VALVE
NR-1

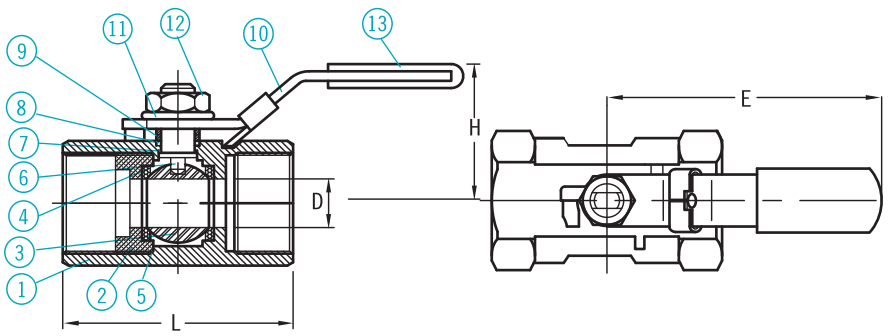


Technical Data

Full Port, 1 piece type
Material: Wetted parts ASTM A351 CF8M / 316
Connection Size: ¼"(8mm), ⅜"(10mm), ½"(15mm), ¾"(20mm), 1"(25mm), 1¼"(32mm), 1½"(40mm), 2"(50mm)
Connection Type: Thread
Locking Device: Valve operated locking in open or closed position
Working Temperature Limited: -20°F ~ 350°F (-5°C ~ 175°C)
Wokring Pressure Limited: 1000psi (70kg/cm²) for ¼"~1"; 800psi (56kg/cm²) for 1¼"~2";
Valves inspected and tested according to **API 598 standard**.

Dimensions

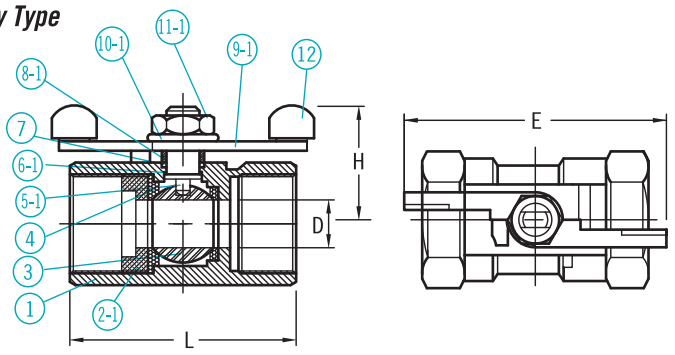
General Type



unit=mm

mm	Size inch	øD±0.5	L±2.0	H±3.0	E±3.0	CV Factor	TORQUE Inch/Lbs	Wt/Kg
08	¼	5	40	27	72	3.8	11	0.07
10	⅜	6.8	44	29	87	4	11	0.12
15	½	9.2	55	35	100	4.5	12	0.20
20	¾	12.5	59	45	100	9	18	0.29
25	1	15	70	53	117	16	34	0.43
32	1¼	20	78	55	117	24	44	0.71
40	1½	25	83	71	158	37	64	0.84
50	2	32	99	77	158	68	80	1.35

Butterfly Type



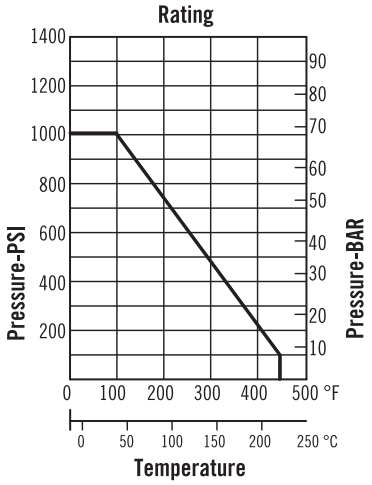
unit=mm

mm	Size inch	øD±0.5	L±2.0	H±3.0	E±3.0	CV Factor	TORQUE Inch/Lbs	Wt/Kg
08	¼	5	40	29	50	3.8	11	0.07
10	⅜	6.8	44	30	54	4	11	0.12
15	½	9.2	56	35	57	4.5	12	0.20
20	¾	12.5	58	40	57	9	18	0.29

Parts List

Item	Parts Name	Material
1	Body	ASTM A351 CF8M / 316
2	Insert	ASTM A351 CF8M / 316
2-1	Seat Retauner	ASTM A351 CF8M / 316
3	Ball	ASTM A351 CF8M / 316
4	Ball Seat	PTFE (RTFE)
5	Joint Gasket	PTFE
5-1	Stem	AISI 316
6	Stem	AISI 304
6-1	Stem Packing	PTFE
7	Thurst Washer	PTFE
8	Stem Packing	PTFE
8-1	Stem Washer	PTFE
9	Stem Washer	AISI 304
9-1	Handle	AISI 304
10	Handle	AISI 304
10-1	Spring Washer	AISI 304
11	Spring Washer	AISI 304
11-1	Stem Nut	AISI 304
12	Stem Nut	AISI 304
13	Plastic Cover	Plastic

Pressure–Temperature



Ordering Information

NR-1	Code	Type
	G	General type
	B	Butterfly type

Code	Body Material
S	CF8M / SS316

Code	Connection Size			
	(A) ¼"	(B) ⅜"	(C) ½"	(D) ¾"
	(E) 1"	(F) 1¼"	(G) 1½"	(H) 2"

NR-1				Complete Ordering Code

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