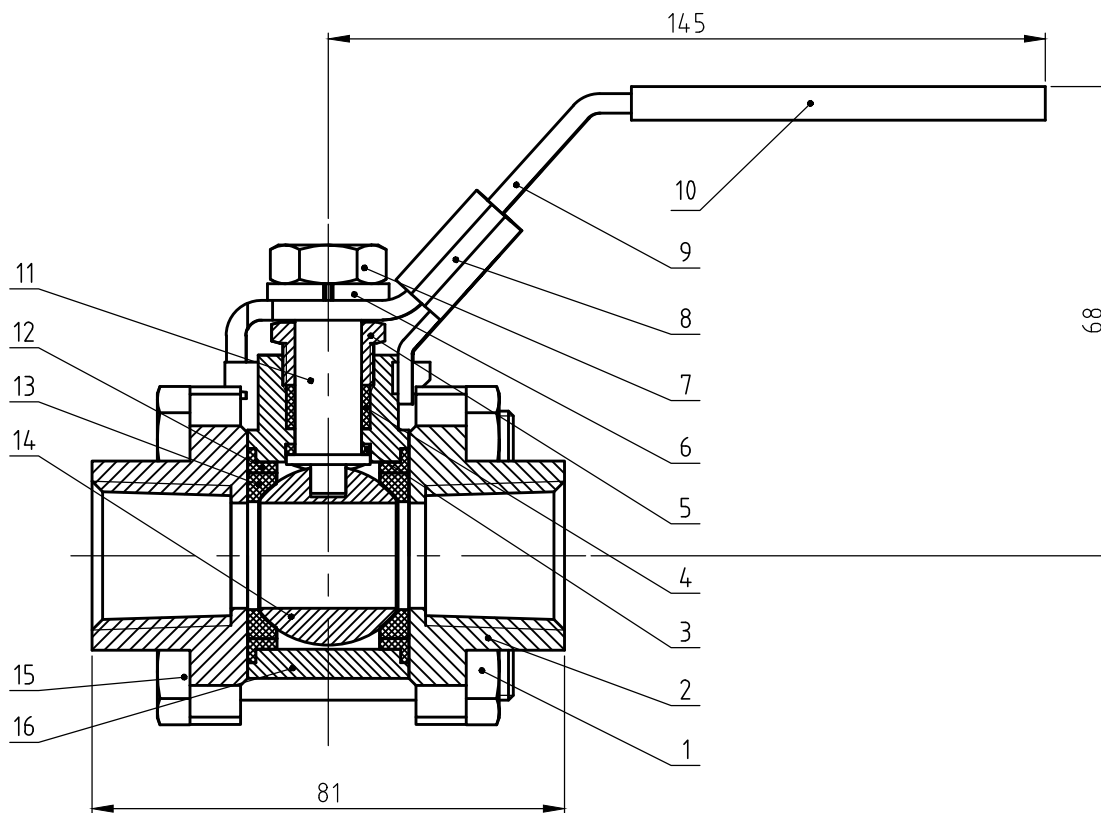




Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

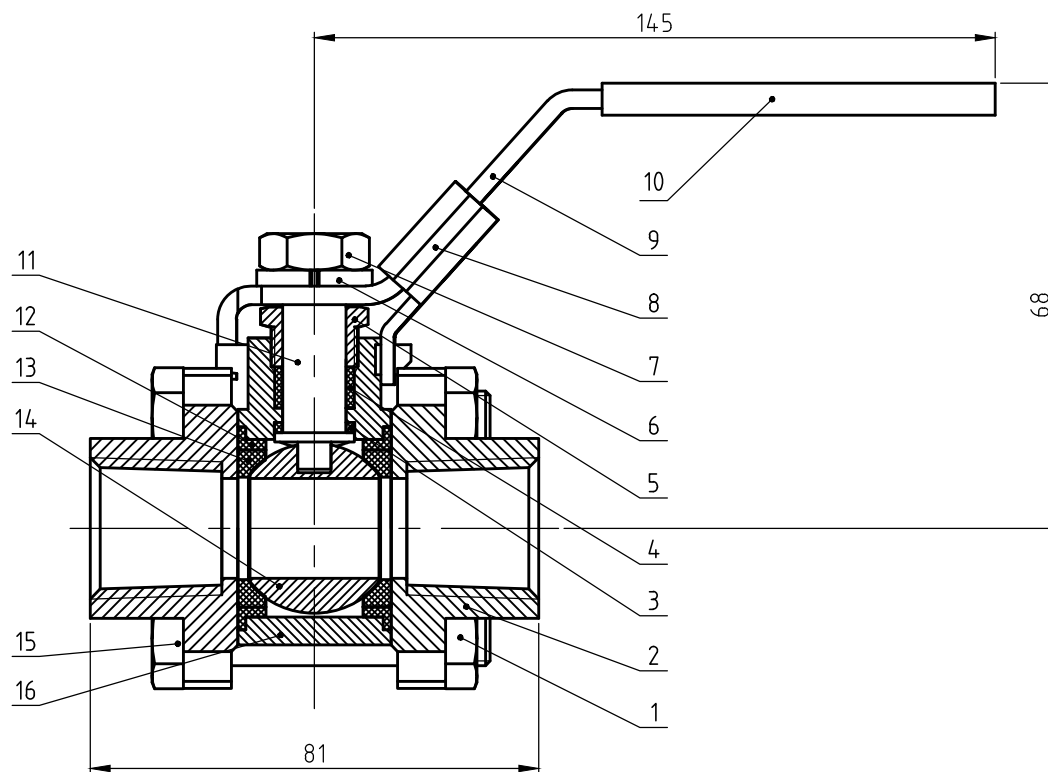
Technical Data:

Orifice Size	25.4mm
Inlet Size	1 NPT(F)
Outlet Size	1 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Oct.12.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV5-FNPT16-T25-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	TFM1600
4	Packing	TFM1600
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	TFM1600
13	Seat	TFM1600
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

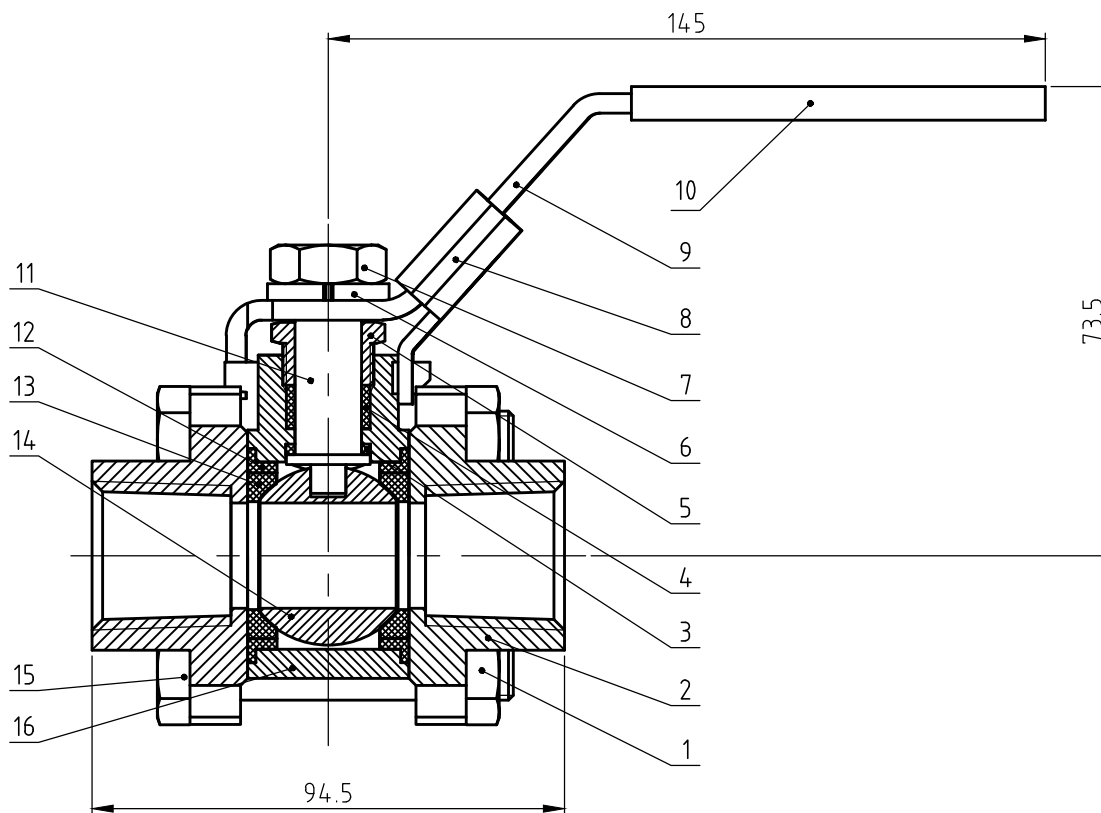
Technical Data:

Orifice Size	25.4mm
Inlet Size	1 NPT(F)
Outlet Size	1 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Jun.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT16-T25-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

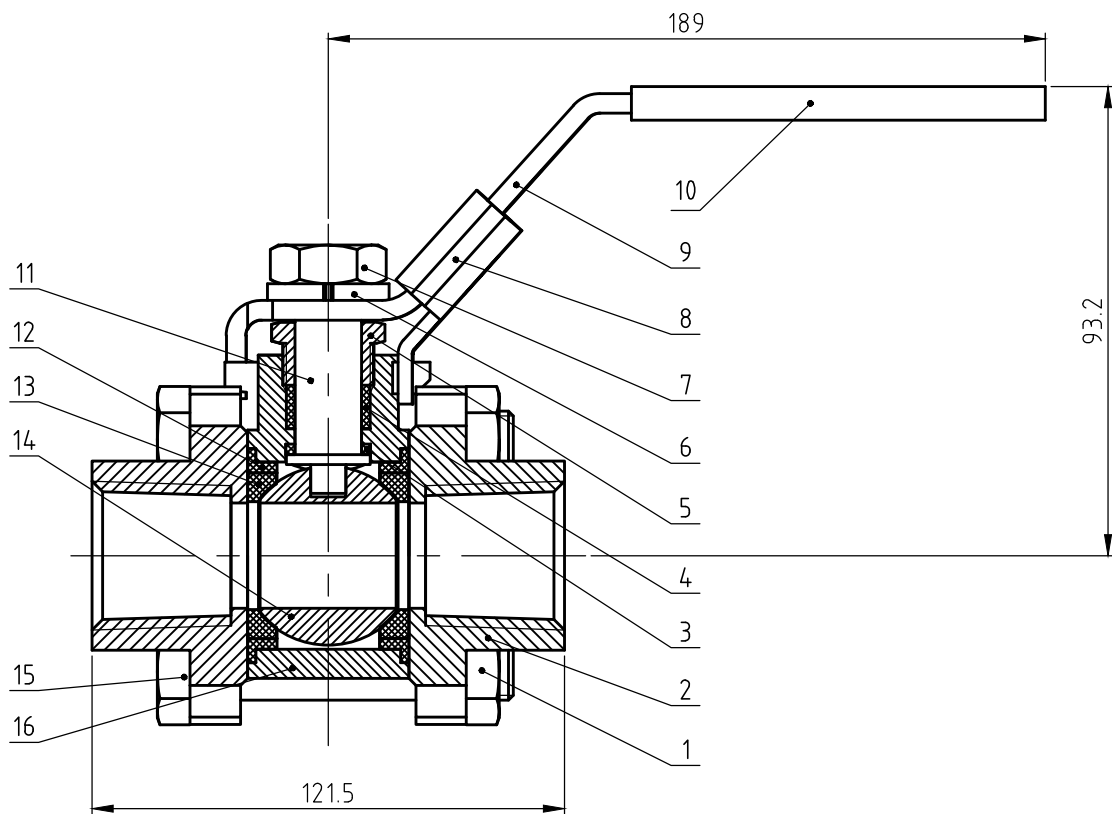
Technical Data:

Orifice Size	32mm
Inlet Size	1-1/4 NPT(F)
Outlet Size	1-1/4 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Nov.25.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT20-T32-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

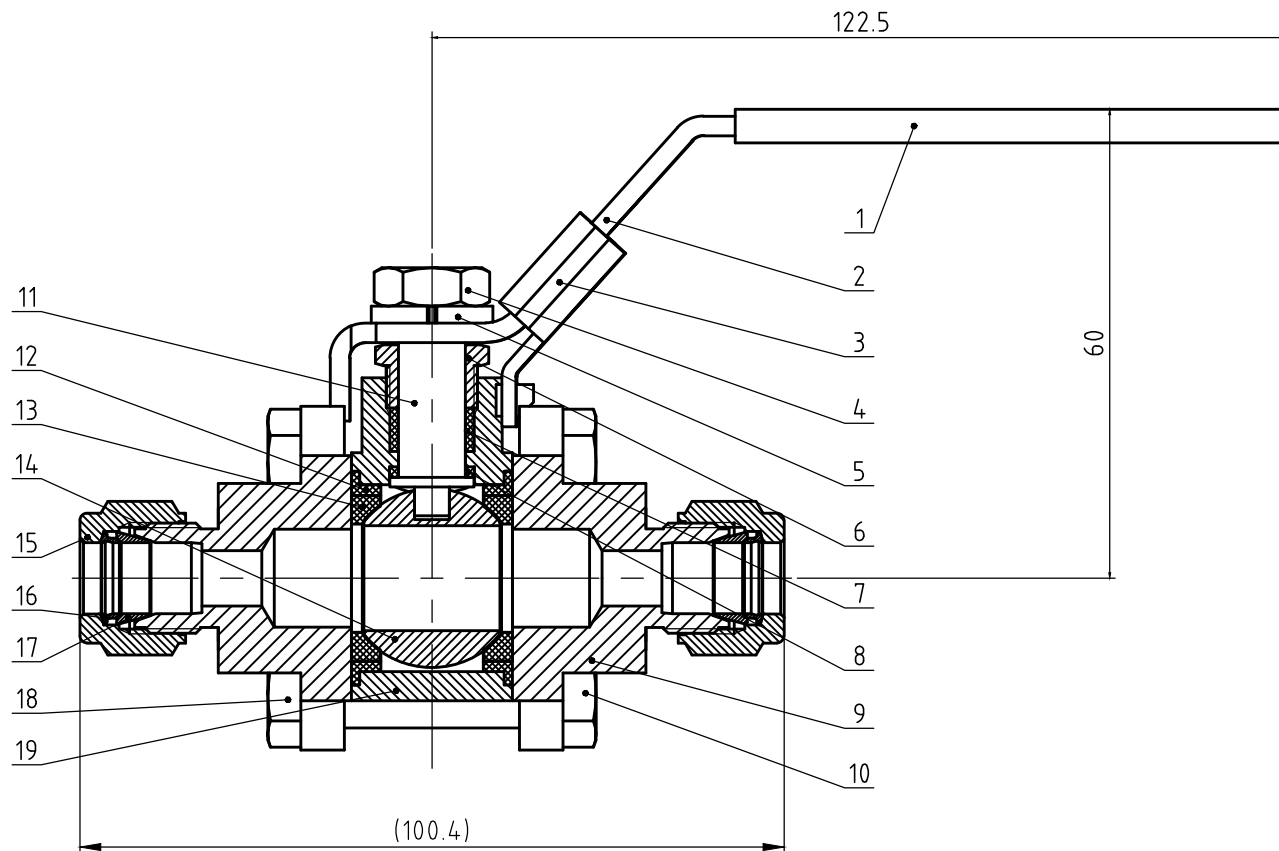
Technical Data:

Orifice Size	50mm
Inlet Size	2 NPT(F)
Outlet Size	2 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Nov.25.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT32-T50-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Handle Sleeve	PVC
2	Handle	304S.S.
3	Lock Block	304S.S.
4	Nut	304S.S.
5	Spring Washer	304S.S.
6	Panel Nut	CF8M/ASTM A351
7	Packing	PTFE/ASTM D1710
8	Bearing	PTFE/ASTM D1710
9	Connect	CF8M/ASTM A351
10	Nut	304S.S.
11	Stem	316S.S./ASTM A479
12	Seal Ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316S.S./ASTM A479
15	Ferrule Nuts	316S.S./ASTM A479
16	Back Ferrules	316S.S./ASTM A479
17	Front Ferrules	316S.S./ASTM A479
18	Hex Bolts	304S.S.
19	Body	CF8/ASTM A351

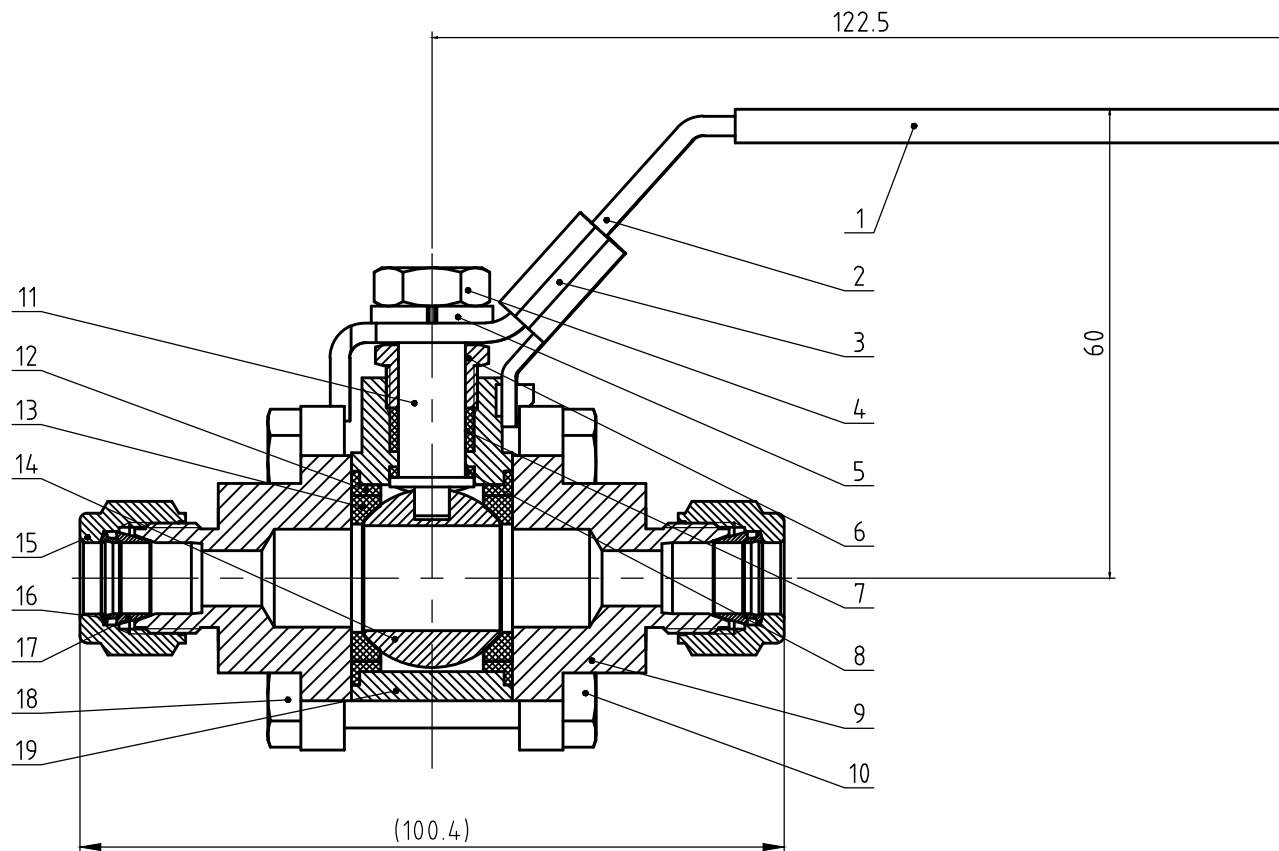
Technical Data:

Max. Work Pressure	1000psi(68bar)
Orifice Size	7.9
Work Temp.	-20(-28°C)~450°F(232°C)
Inlet Size	O.D. ϕ10
Outlet Size	O.D. ϕ10
Test Pressure	1000psi(68bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850(59)		
300 (148)	550(38)		
400 (204)	250(17)		
450 (232)	100(7)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV5-M10-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Handle Sleeve	PVC
2	Handle	304S.S.
3	Lock Block	304S.S.
4	Nut	304S.S.
5	Spring Washer	304S.S.
6	Panel Nut	CF8M/ASTM A351
7	Packing	PTFE/ASTM D1710
8	Bearing	PTFE/ASTM D1710
9	Connect	CF8M/ASTM A351
10	Nut	304S.S.
11	Stem	316S.S./ASTM A479
12	Seal Ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316S.S./ASTM A479
15	Ferrule Nuts	316S.S./ASTM A479
16	Back Ferrules	316S.S./ASTM A479
17	Front Ferrules	316S.S./ASTM A479
18	Hex Bolts	304S.S.
19	Body	CF8/ASTM A351

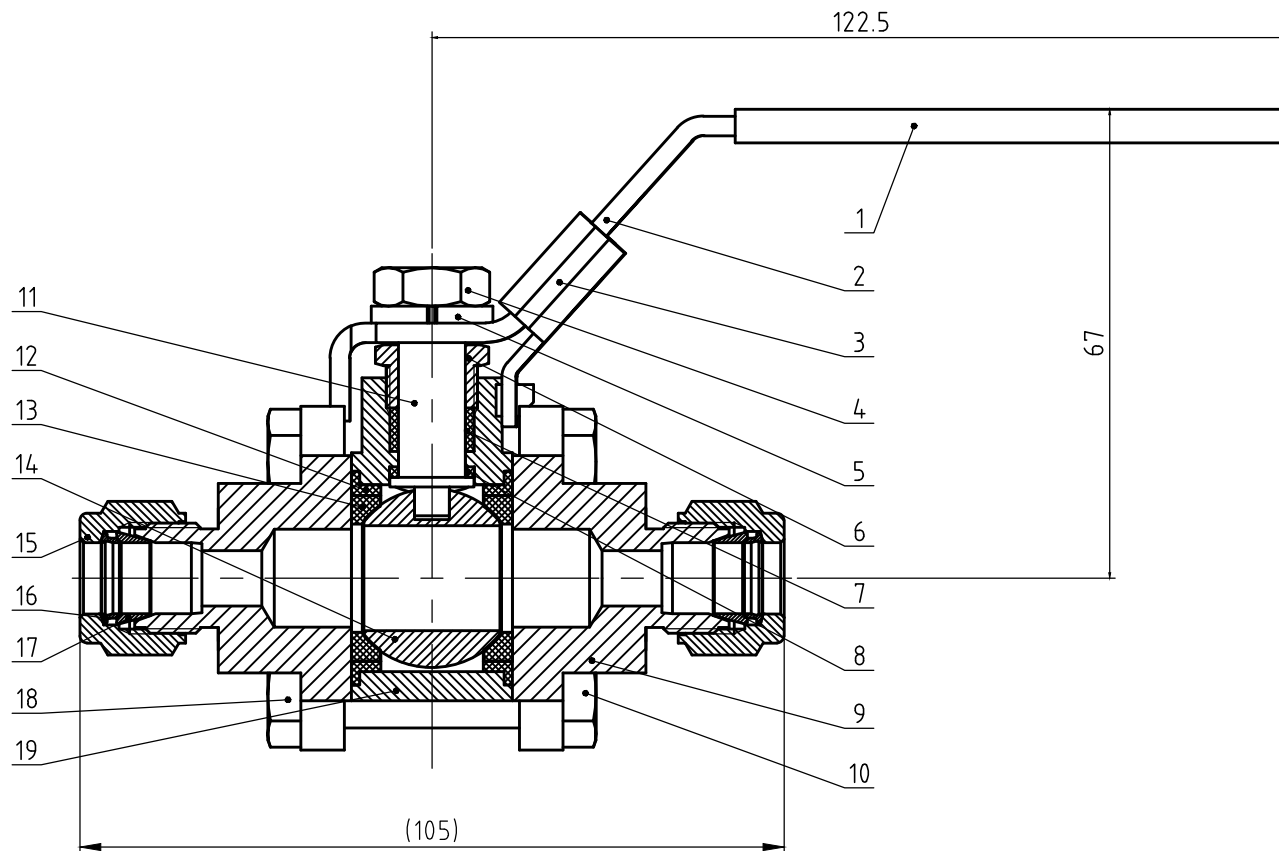
Technical Data:

Max. Work Pressure	1000psi(68bar)
Orifice Size	7.9
Work Temp.	-20(-28°C)~450°F(232°C)
Inlet Size	O.D. ϕ10
Outlet Size	O.D. ϕ10
Test Pressure	1000psi(68bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850(59)		
300 (148)	550(38)		
400 (204)	250(17)		
450 (232)	100(7)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV5-M10-T07-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Handle Sleeve	PVC
2	Handle	304S.S.
3	Lock Block	304S.S.
4	Nut	304S.S.
5	Spring Washer	304S.S.
6	Panel Nut	CF8M/ASTM A351
7	Packing	PTFE/ASTM D1710
8	Bearing	PTFE/ASTM D1710
9	Connect	CF8M/ASTM A351
10	Nut	304S.S.
11	Stem	316S.S./ASTM A479
12	Seal Ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316S.S./ASTM A479
15	Ferrule Nuts	316S.S./ASTM A479
16	Back Ferrules	316S.S./ASTM A479
17	Front Ferrules	316S.S./ASTM A479
18	Hex Bolts	304S.S.
19	Body	CF8/ASTM A351

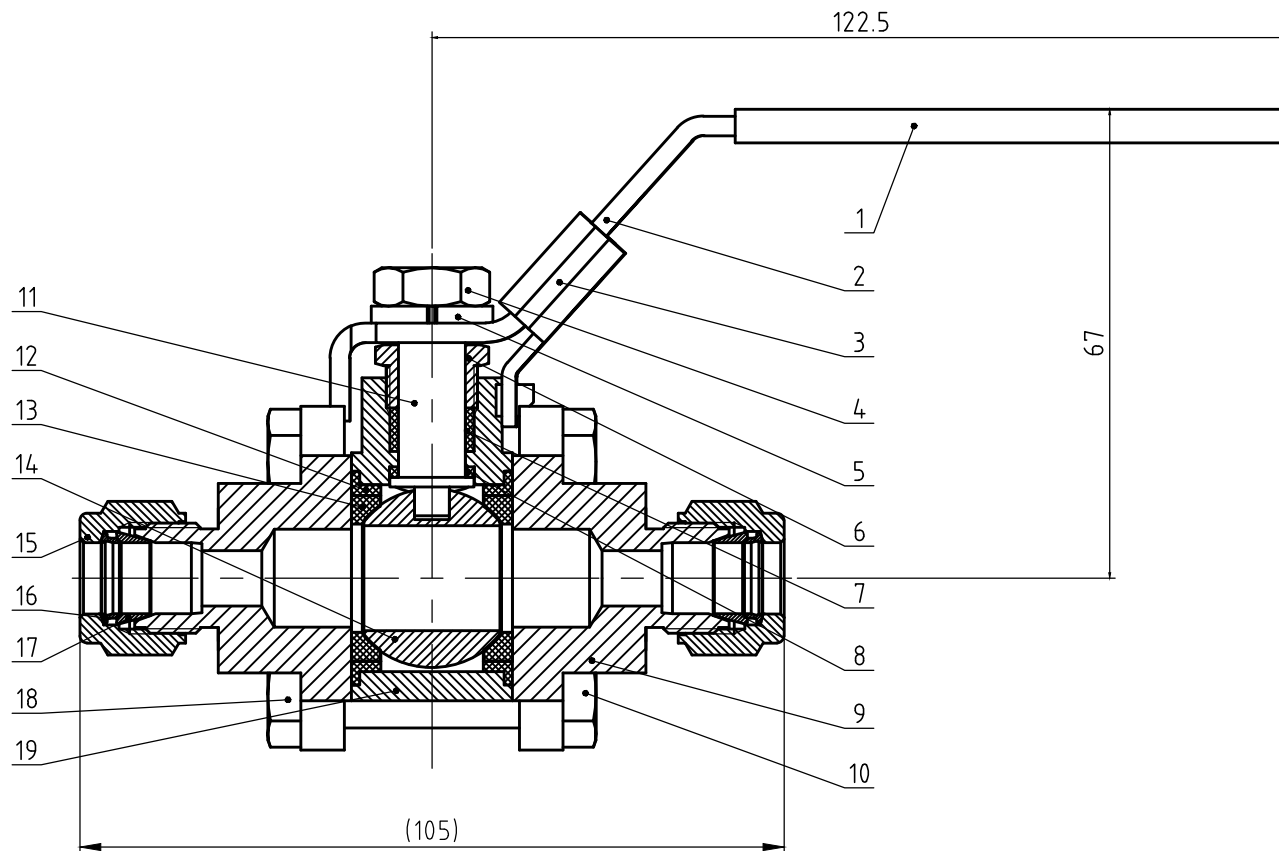
Technical Data:

Max. Work Pressure	1000psi(68bar)
Orifice Size	10.0
Work Temp.	-20(-28°C)~450°F(232°C)
Inlet Size	O.D. Ø12
Outlet Size	O.D. Ø12
Test Pressure	1000psi(68bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850(59)		
300 (148)	550(38)		
400 (204)	250(17)		
450 (232)	100(7)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV5-M12-T10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Handle Sleeve	PVC
2	Handle	304S.S.
3	Lock Block	304S.S.
4	Nut	304S.S.
5	Spring Washer	304S.S.
6	Panel Nut	CF8M/ASTM A351
7	Packing	PTFE/ASTM D1710
8	Bearing	PTFE/ASTM D1710
9	Connect	CF8M/ASTM A351
10	Nut	304S.S.
11	Stem	316S.S./ASTM A479
12	Seal Ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316S.S./ASTM A479
15	Ferrule Nuts	316S.S./ASTM A479
16	Back Ferrules	316S.S./ASTM A479
17	Front Ferrules	316S.S./ASTM A479
18	Hex Bolts	304S.S.
19	Body	CF8/ASTM A351

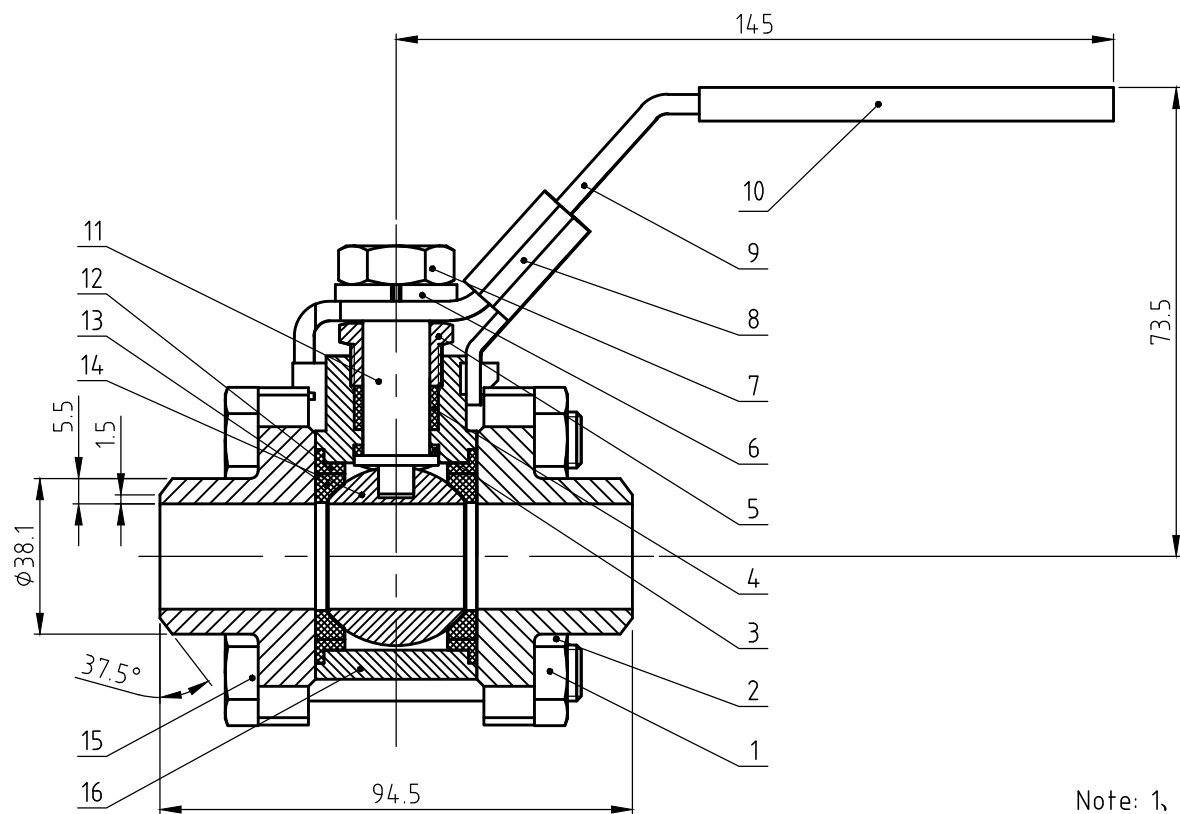
Technical Data:

Max. Work Pressure	1000psi(68bar)
Orifice Size	10.0
Work Temp.	-20(-28°C)~450°F(232°C)
Inlet Size	O.D. ϕ12
Outlet Size	O.D. ϕ12
Test Pressure	1000psi(68bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850(59)		
300 (148)	550(38)		
400 (204)	250(17)		
450 (232)	100(7)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV5-M12-T10-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304.S.S
2	Connect	CF8M.S.S/ASTM A351
3	Bearing	TFM1600
4	Packing	TFM1600
5	Panel Nut	CF8M.S.S/ASTM A351
6	Spring Washer	304.S.S
7	Nut	304.S.S
8	Lock block	304.S.S
9	Handle	304.S.S
10	Handle sleeve	PVC
11	Stem	316.S.S/ASTM A276
12	Seal ring	TFM1600
13	Seat	TFM1600
14	Ball	316.S.S/ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M.S.S/ASTM A351

Note: 1, Hydrogen sulfide environment for products.
Standard of material execution: NACE MR 0175
2, Note: Not recommended for panel mounting.

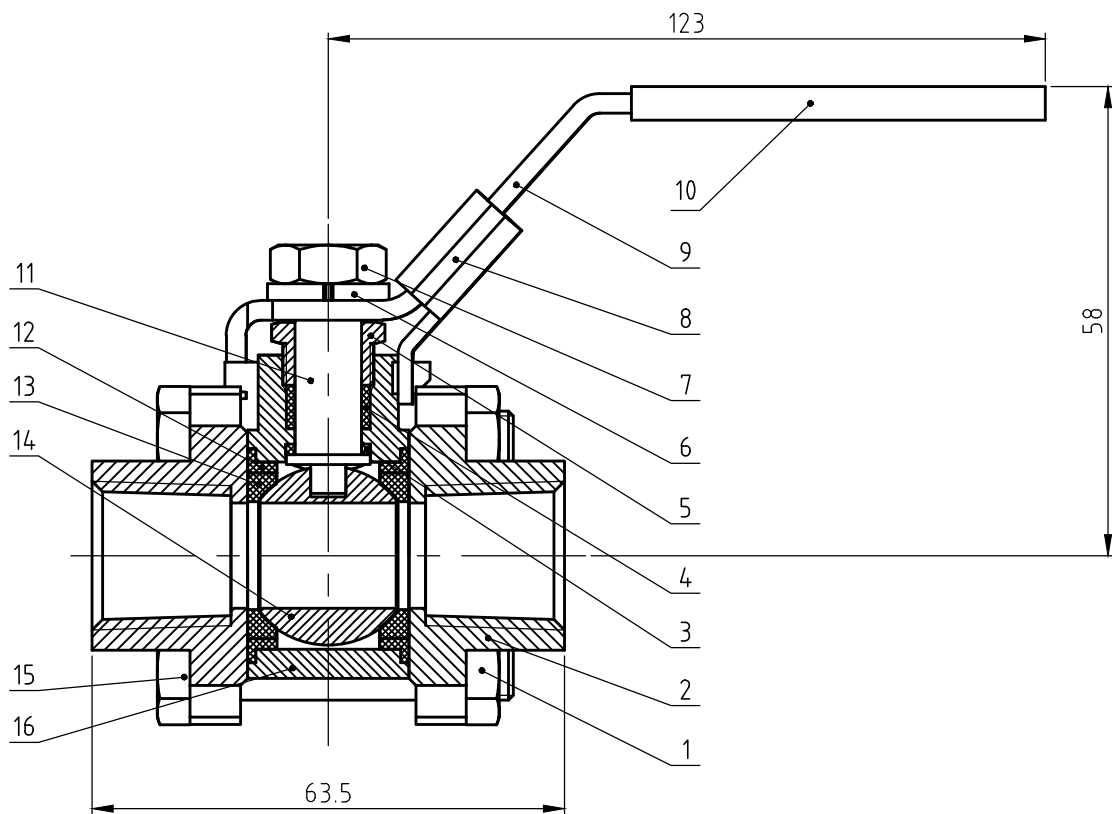
Technical Data:

Orifice Size	31.75mm

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Dec.19.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV5-FBW24-T32-316-LT-NACE		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M S.S./ASTM A351
16	Body	CF8M S.S./ASTM A351

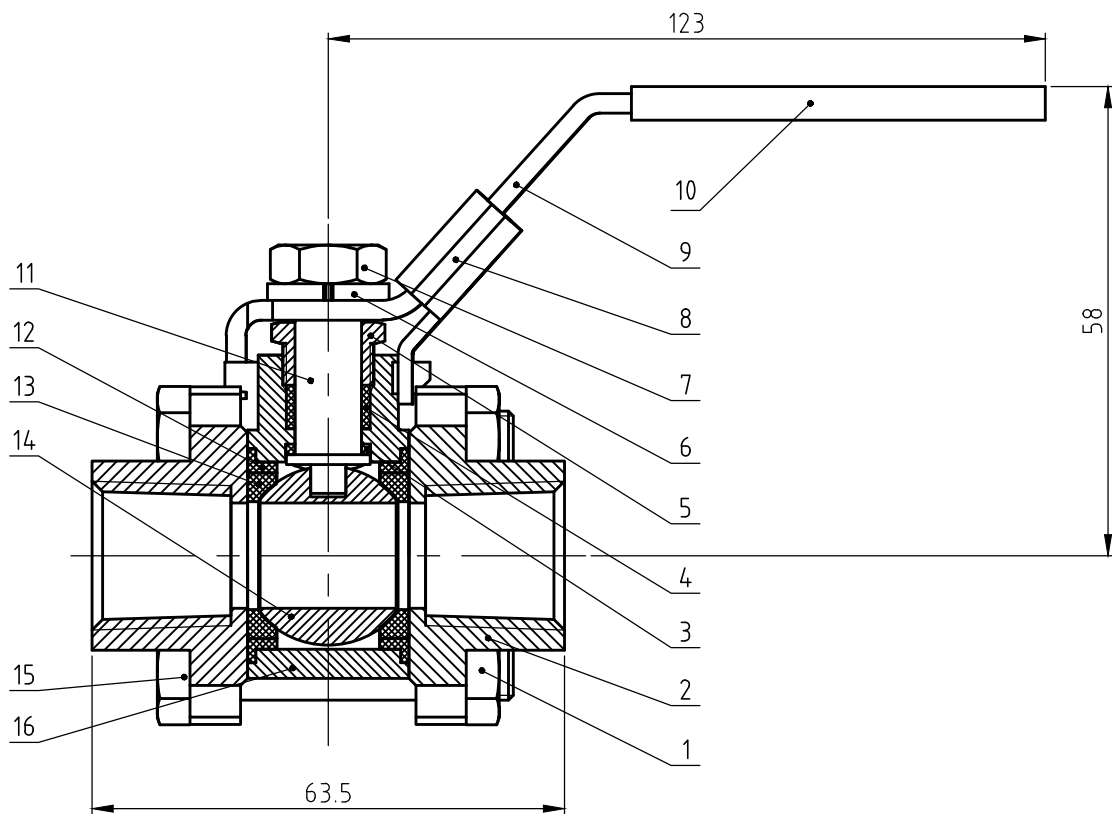
Technical Data:

Orifice Size	15mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	15

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Mar.21, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT8-T15-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M S.S./ASTM A351
16	Body	CF8M S.S./ASTM A351

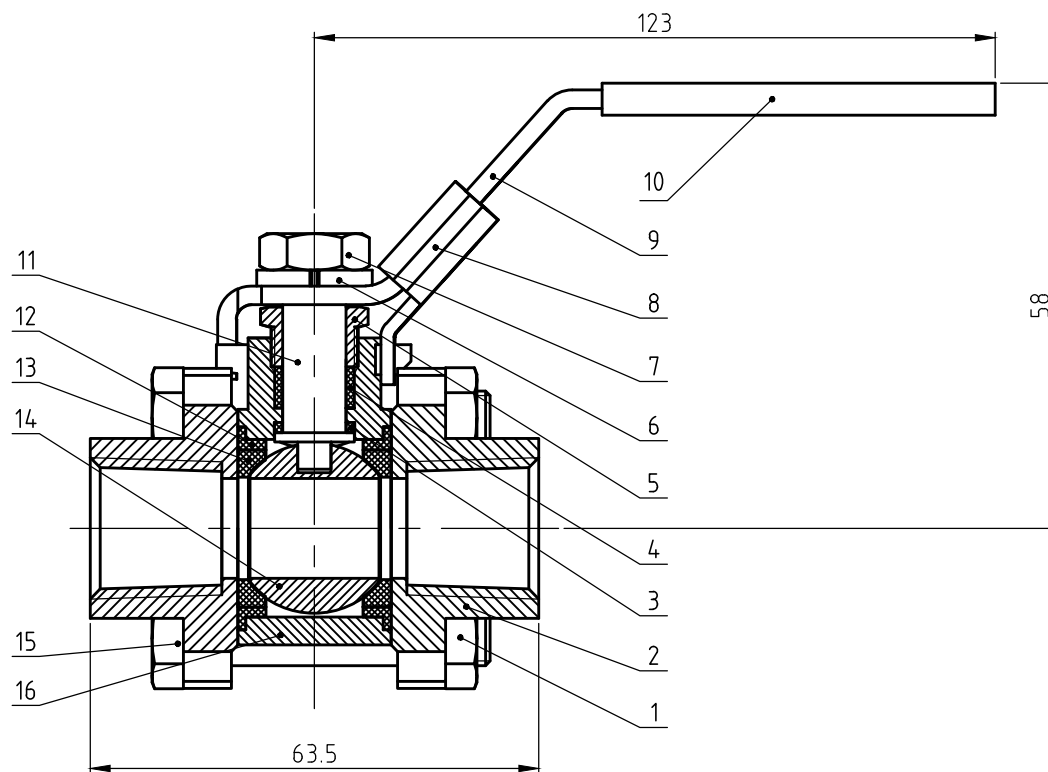
Technical Data:

Orifice Size	15mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	15

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Mar.21, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT8-T15-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	TFM1600
4	Packing	TFM1600
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	TFM1600
13	Seat	TFM1600
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M S.S./ASTM A351
16	Body	CF8M S.S./ASTM A351

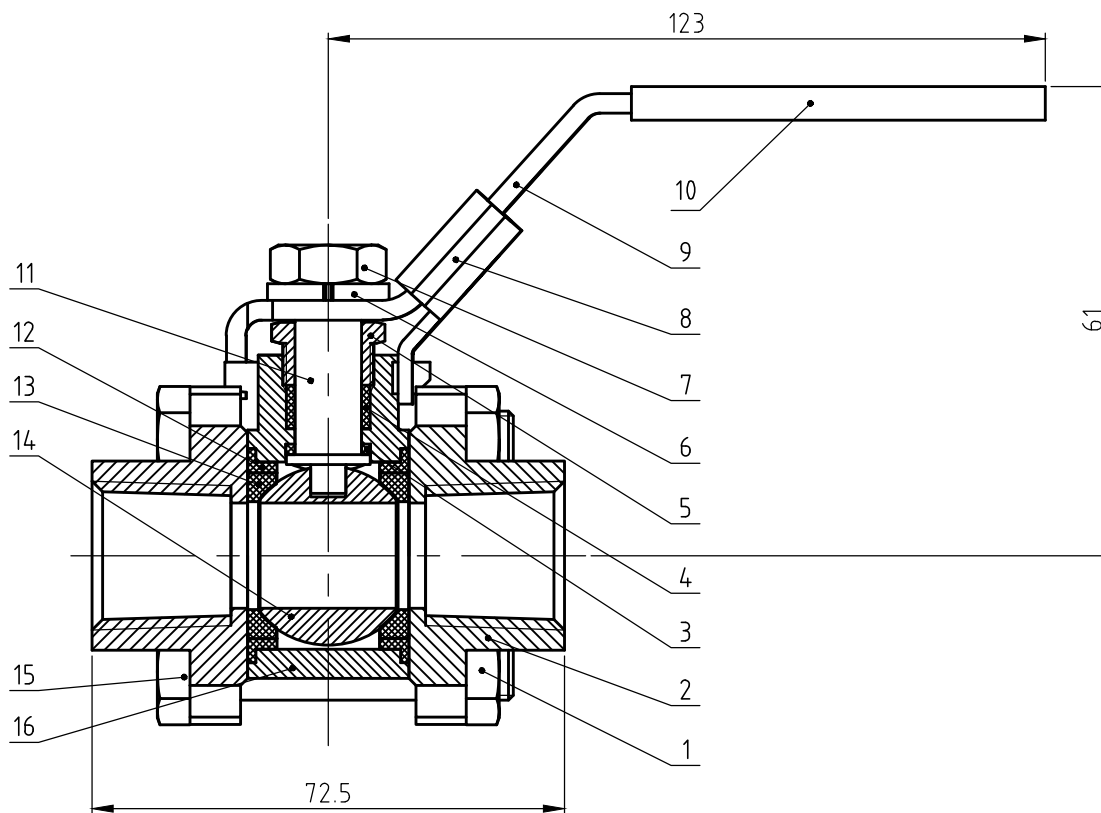
Technical Data:

Orifice Size	15mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Jun.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT8-T15-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	PTFE/ASTM D1710
4	Packing	PTFE/ASTM D1710
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	PTFE/ASTM D1710
13	Seat	PTFE/ASTM D1710
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

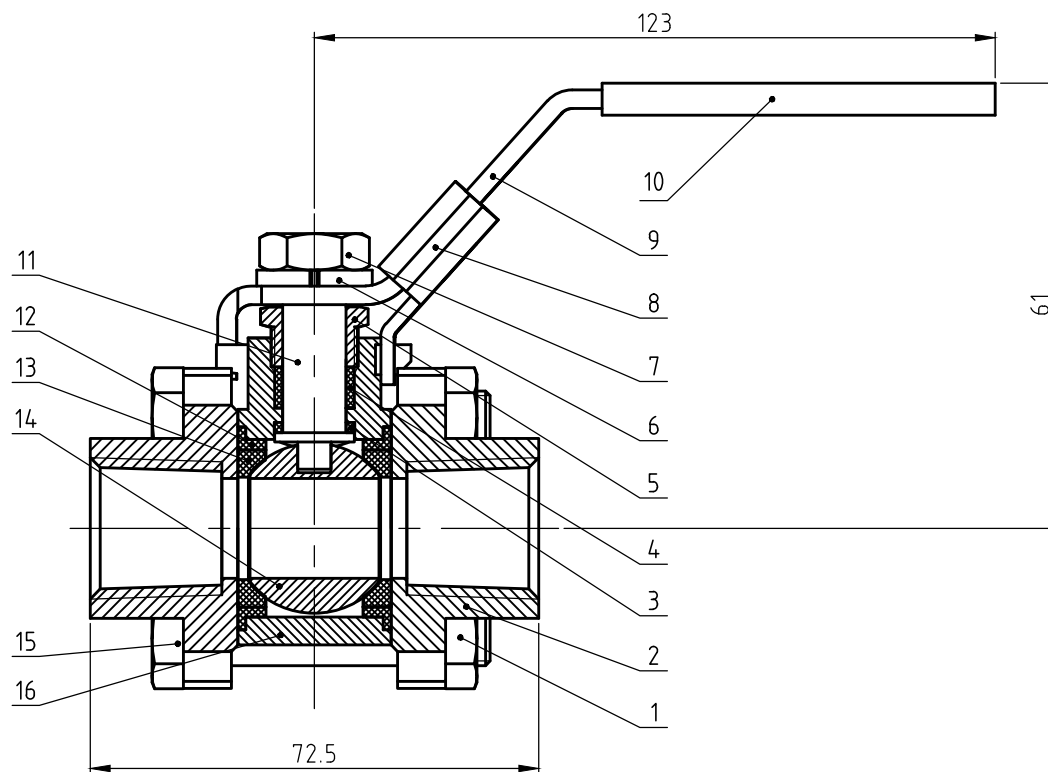
Technical Data:

Orifice Size	20mm
Inlet Size	3/4 NPT(F)
Outlet Size	3/4 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Nov.25.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT12-T20-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Nut	304 S.S.
2	Connect	CF8M S.S./ASTM A351
3	Bearing	TFM1600
4	Packing	TFM1600
5	Panel Nut	CF8M S.S./ASTM A351
6	Spring Washer	304 S.S.
7	Nut	304 S.S.
8	Lock block	304 S.S.
9	Handle	304 S.S.
10	Handle sleeve	PVC
11	Stem	316 S.S./ASTM A276
12	Seal ring	TFM1600
13	Seat	TFM1600
14	Ball	316 S.S./ASTM A276
15	Hex Bolts	CF8M/ASTM A351
16	Body	CF8M S.S./ASTM A351

Technical Data:

Orifice Size	20mm
Inlet Size	3/4 NPT(F)
Outlet Size	3/4 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 100 (37)	1000 (69)		
200 (93)	850 (59)		
300 (148)	550 (38)		
400 (204)	250 (17)		
450 (232)	100 (7)		

A	Jun.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV5-FNPT12-T20-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		