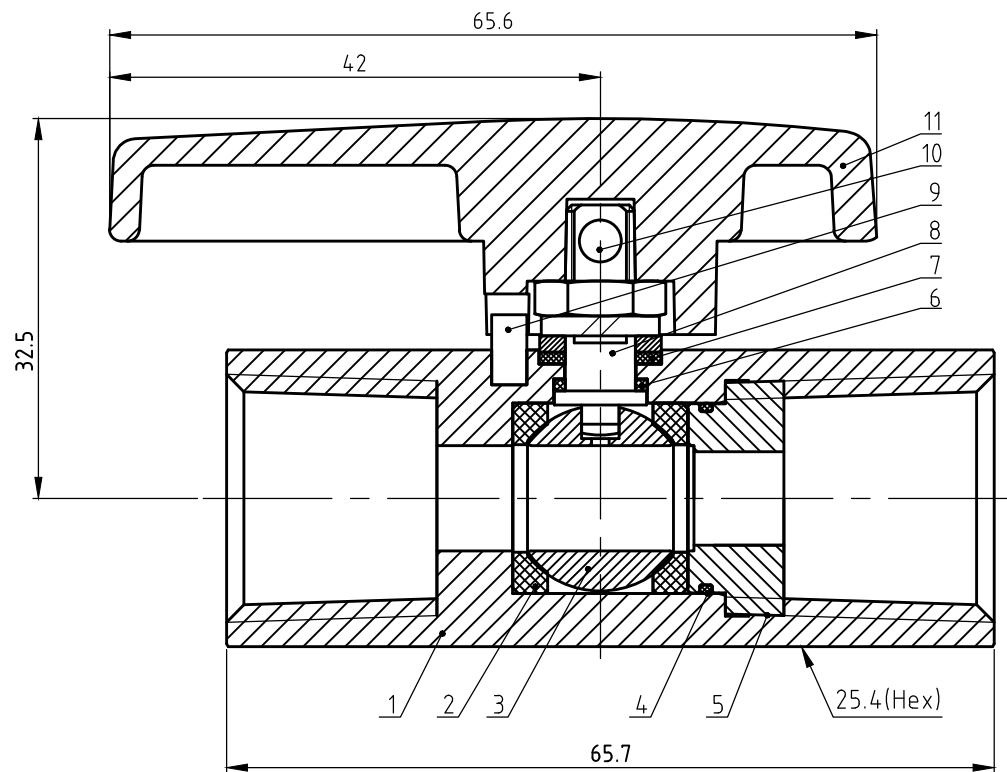




No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	Galvanized steel
11	Handle	ADC12/JIS H5302

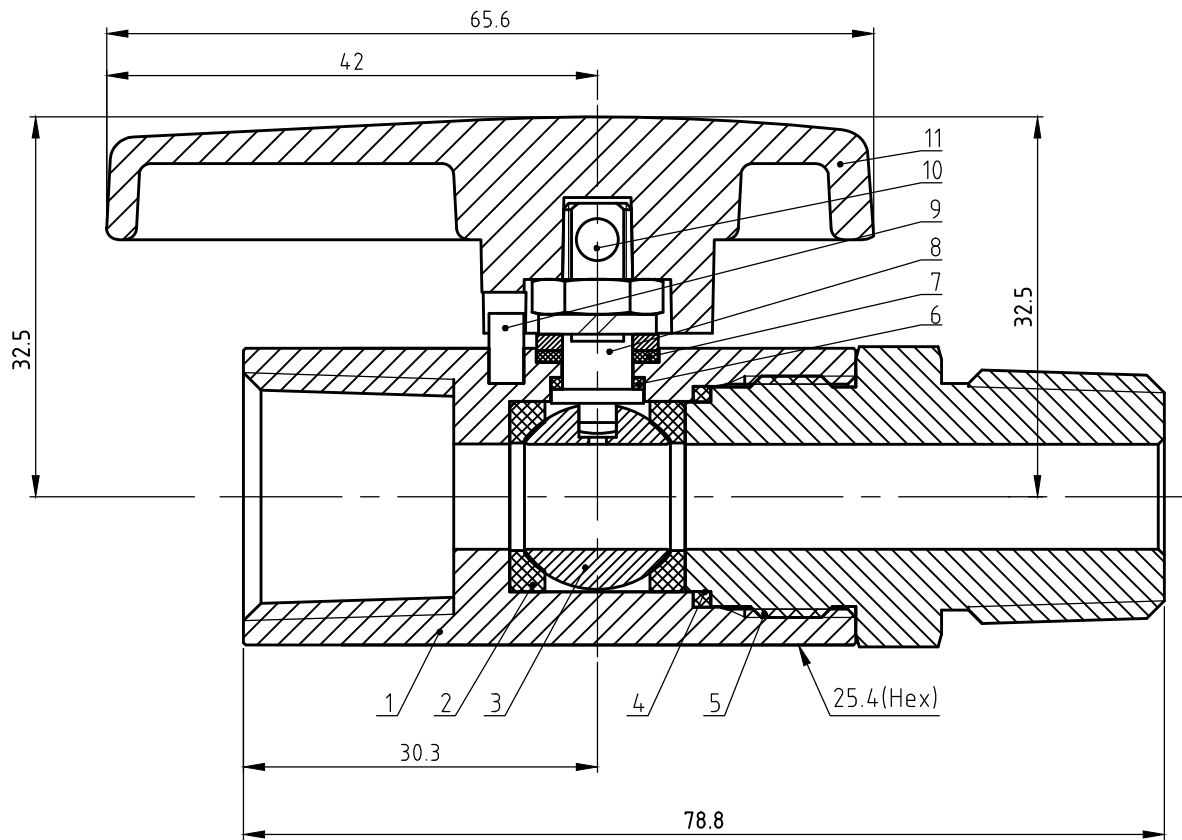
Technical Data:

Orifice Size	9 mm
Inlet Size	1/2 BSPT(F)
Outlet Size	1/2 BSPT(F)
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.27.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-FBT8-T09-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

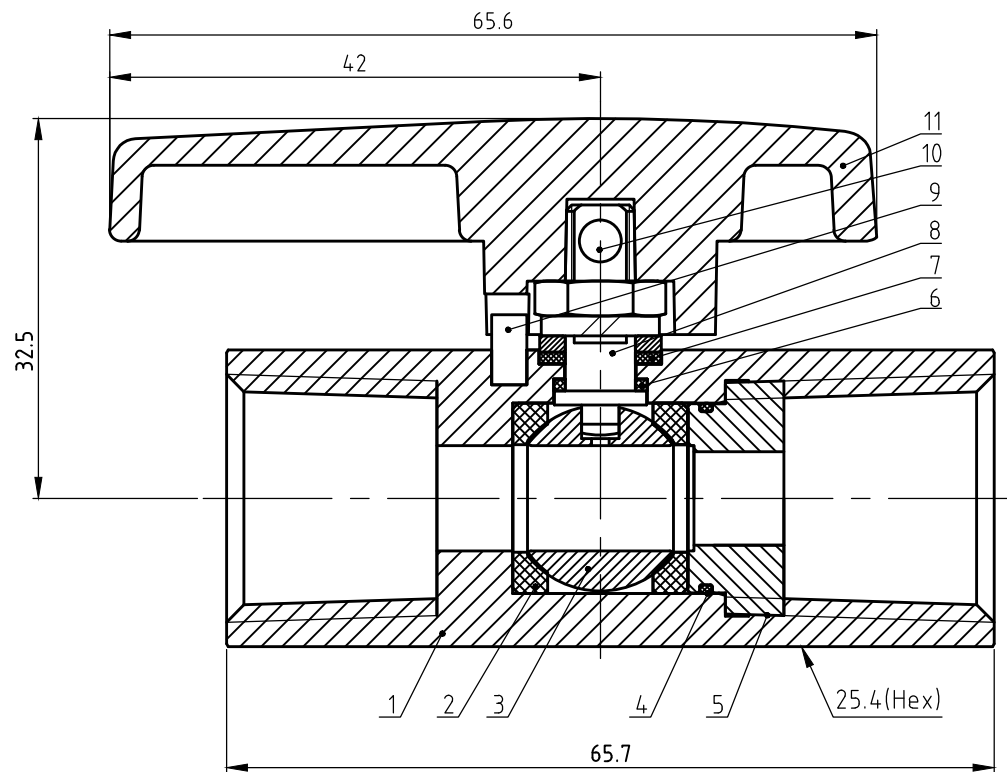
Technical Data:

Orifice Size	9 mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34)to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.22.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-FNPT8-NPT8-T09-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

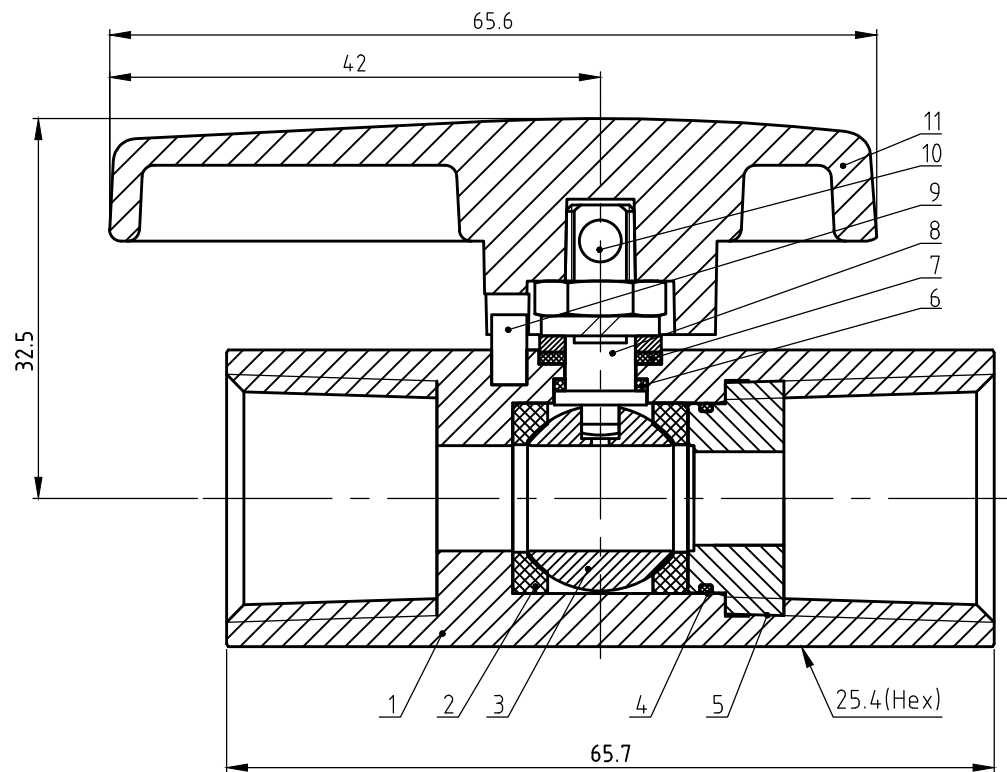
Technical Data:

Orifice Size	9 mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34)to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.08.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-FNPT8-T09-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

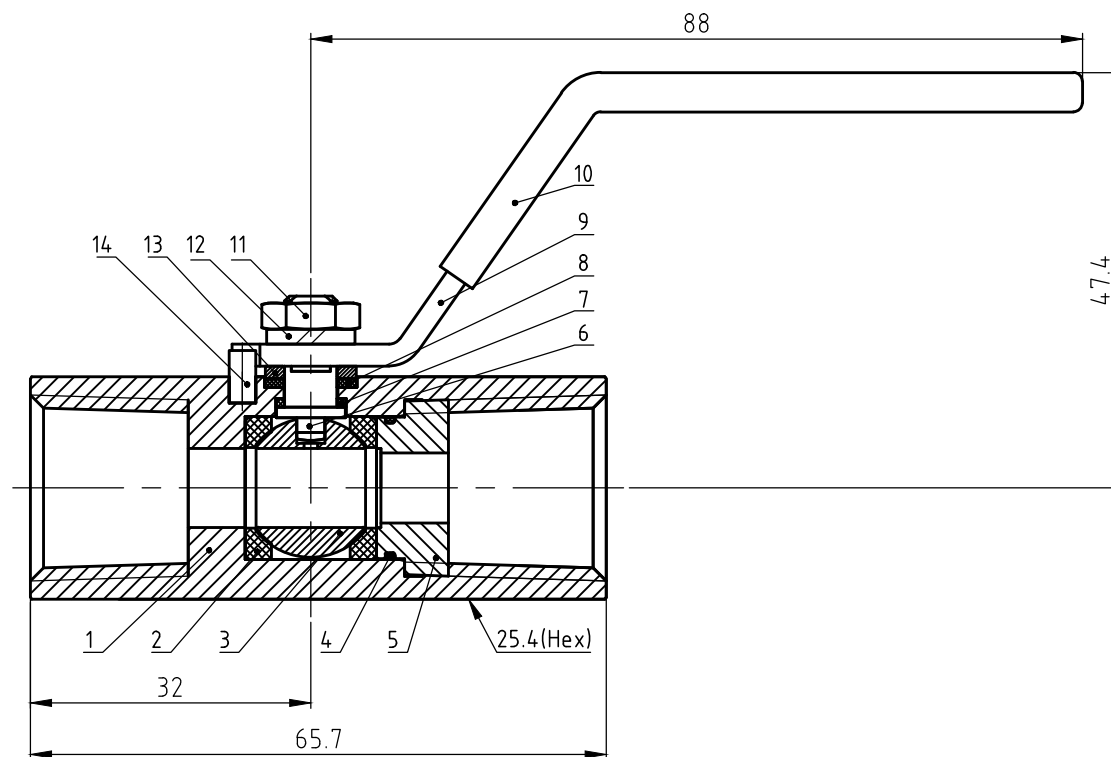
Technical Data:

Orifice Size	9 mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.22.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-FNPT8-T09-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	O-Ring	FKM
5	Plug	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Bearing	PTFE/ASTM D1710
8	Packing	PTFE/ASTM D1710
9	Handle	304 S.S.
10	Handle Sleeve	PVC
11	Nut	304 S.S.
12	Spring Washer	304 S.S.
13	Gland	316 S.S./ASTM A479
14	Pin	304 S.S.

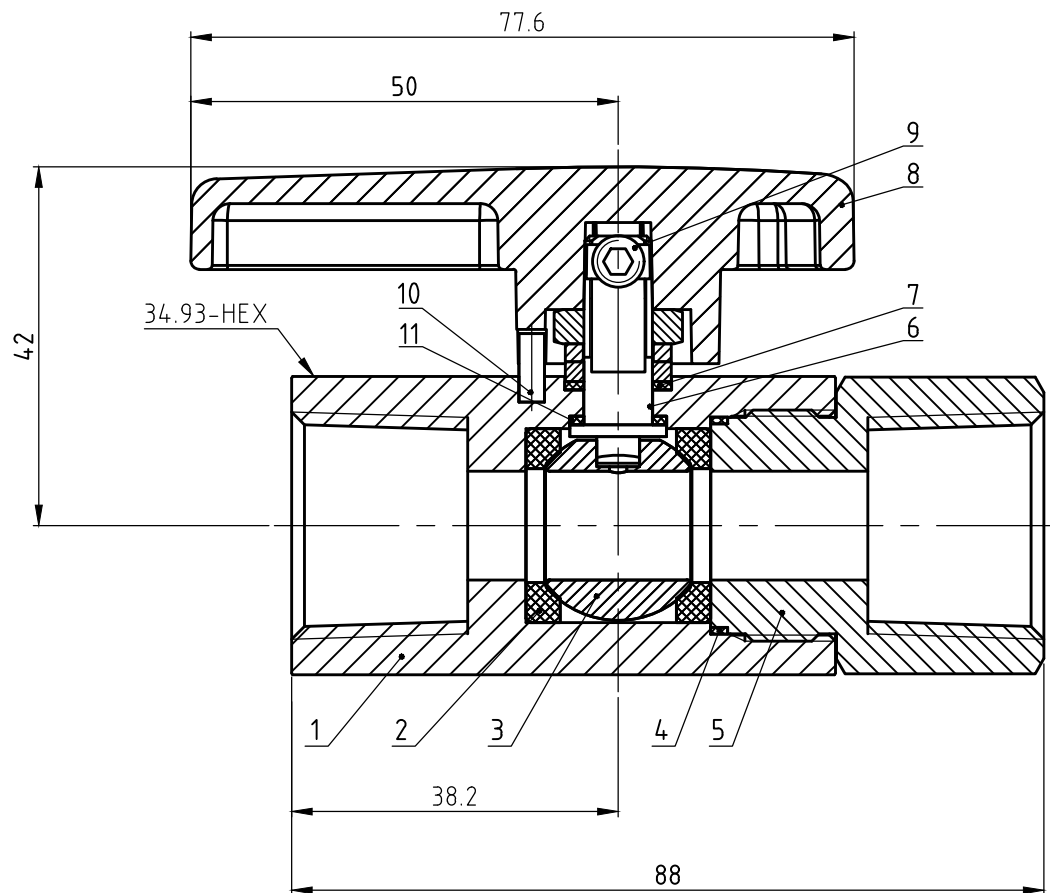
Technical Data:

Orifice Size	9mm
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)
-30(-34)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	Jul.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-FNPT8-T09-LL-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Seal ring	PTFE/ASTM D1710
5	Seat Bolt	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	ADC12/JIS H5302
9	Nut	304 S.S.
10	Pin	304 S.S.
11	Bearing	PTFE/ASTM D1710

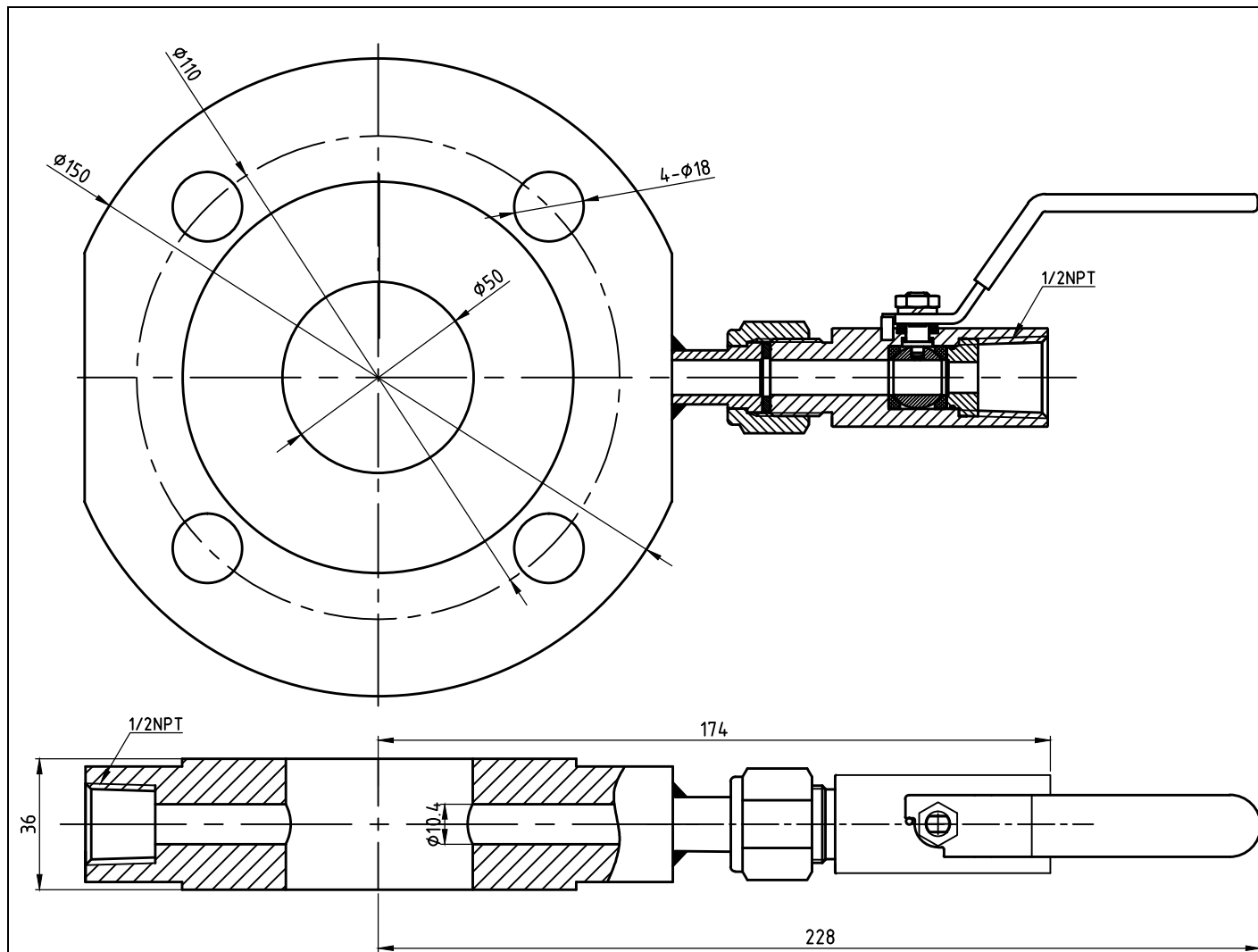
Technical Data:

Orifice Size	12.7mm
Inlet Size	3/4 NPT (F)
Outlet Size	3/4 NPT (F)
Cv	8.0

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-76(-60)to 100(37)	1500 (103)		
200(93)	1000 (68)		
300(148)	800 (55)		
400(204)	330 (23)		

A	Jun.10, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-FNPT12-T13-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Flange	316S.S/ASTM A182
2	Ball Valve	316S.S/ASTM A479

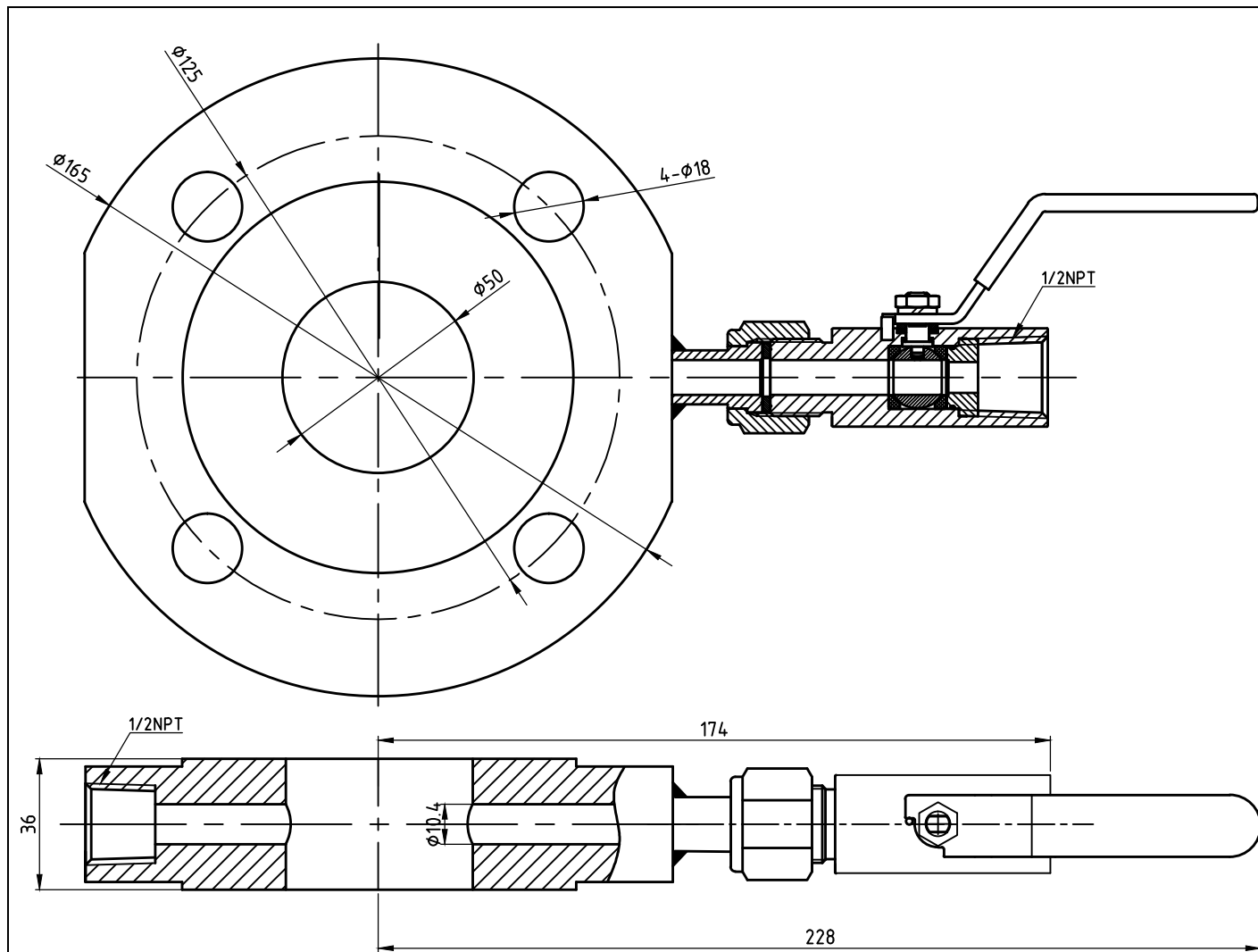
Technical Data:

Flange Size	EN1092-1 DN40 PN10 B1

Pressure vs. Temperature Ratings:

Temperature °C (°F)	Working Pressure bar (psig)	Temperature °C (°F)	Working Pressure bar (psig)
-53 (-65) to 20 (68)	9.1 (132)		
50 (122)	8.9 (129)		
100 (212)	7.8 (113)		
150 (302)	7.1 (103)		
200 (392)	6.6 (95)		

A	Jun.02,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-DN40PN10-HJC-FNPT8-316-FEF01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Flange	316S.S/ASTM A182
2	Ball Valve	316S.S/ASTM A479

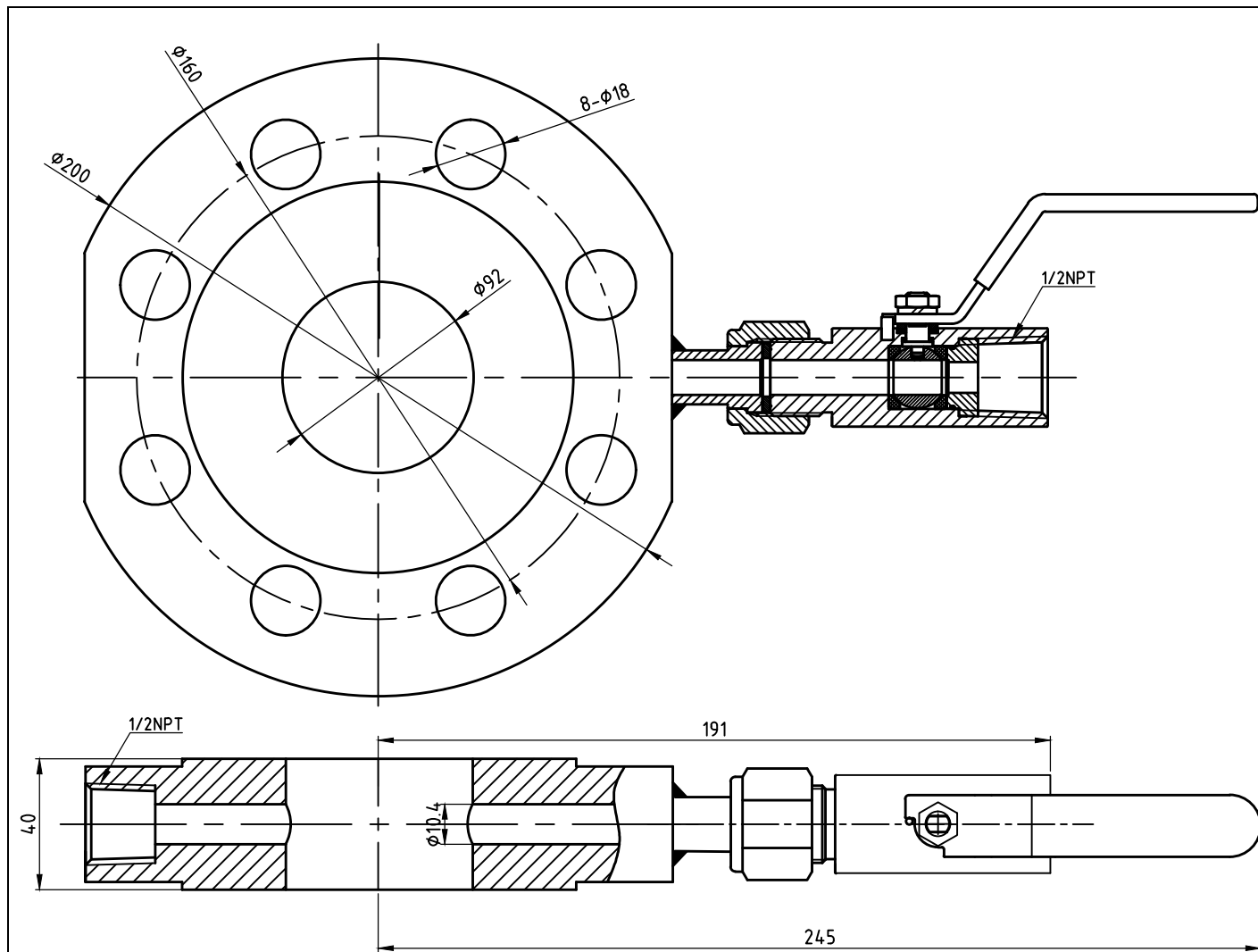
Technical Data:

Flange Size	EN1092-1 DN50 PN10 B1

Pressure vs. Temperature Ratings:

Temperature °C (°F)	Working Pressure bar (psig)	Temperature °C (°F)	Working Pressure bar (psig)
-53 (-65) to 20 (68)	9.1 (132)		
50 (122)	8.9 (129)		
100 (212)	7.8 (113)		
150 (302)	7.1 (103)		
200 (392)	6.6 (95)		

A	Jun.02,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-DN50PN10-HJC-FNPT8-316-FEF01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Flange	316S.S/ASTM A182
2	Ball Valve	316S.S/ASTM A479

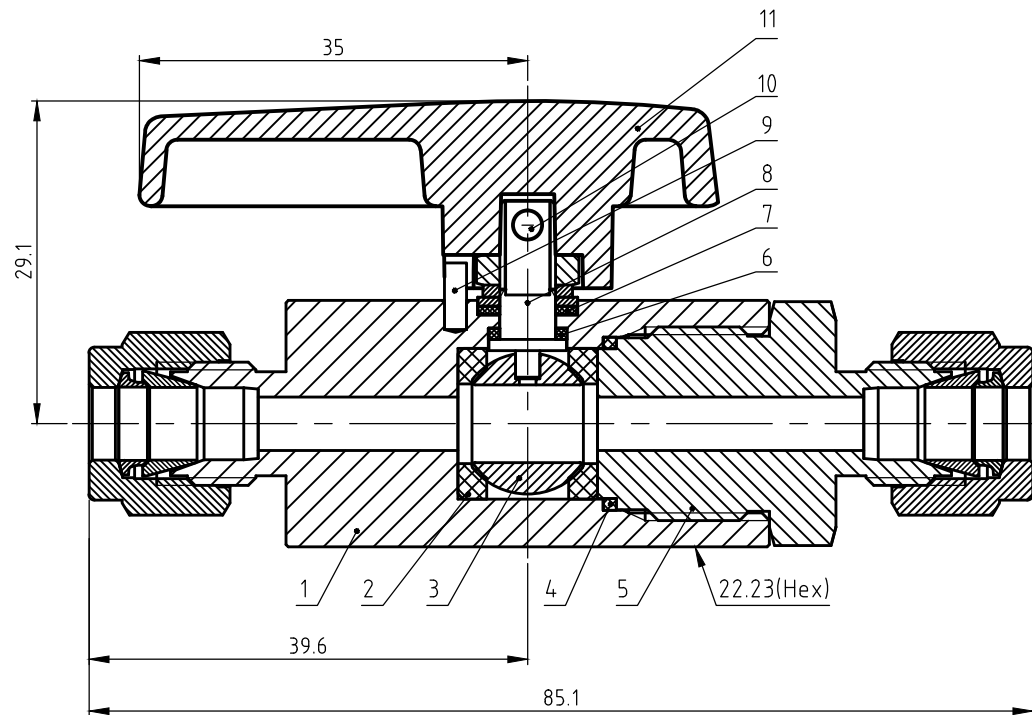
Technical Data:

Flange Size	EN1092-1 DN80 PN10 B1

Pressure vs. Temperature Ratings:

Temperature °C (°F)	Working Pressure bar (psig)	Temperature °C (°F)	Working Pressure bar (psig)
-53 (-65) to 20 (68)	9.1 (132)		
50 (122)	8.9 (129)		
100 (212)	7.8 (113)		
150 (302)	7.1 (103)		
200 (392)	6.6 (95)		

A	Jun.02,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-DN80PN10-HJC-FNPT8-316-FEF01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

Note:

Cleaning and packaging in oxygen-enriched environments meets ASTM G93 Grade C.

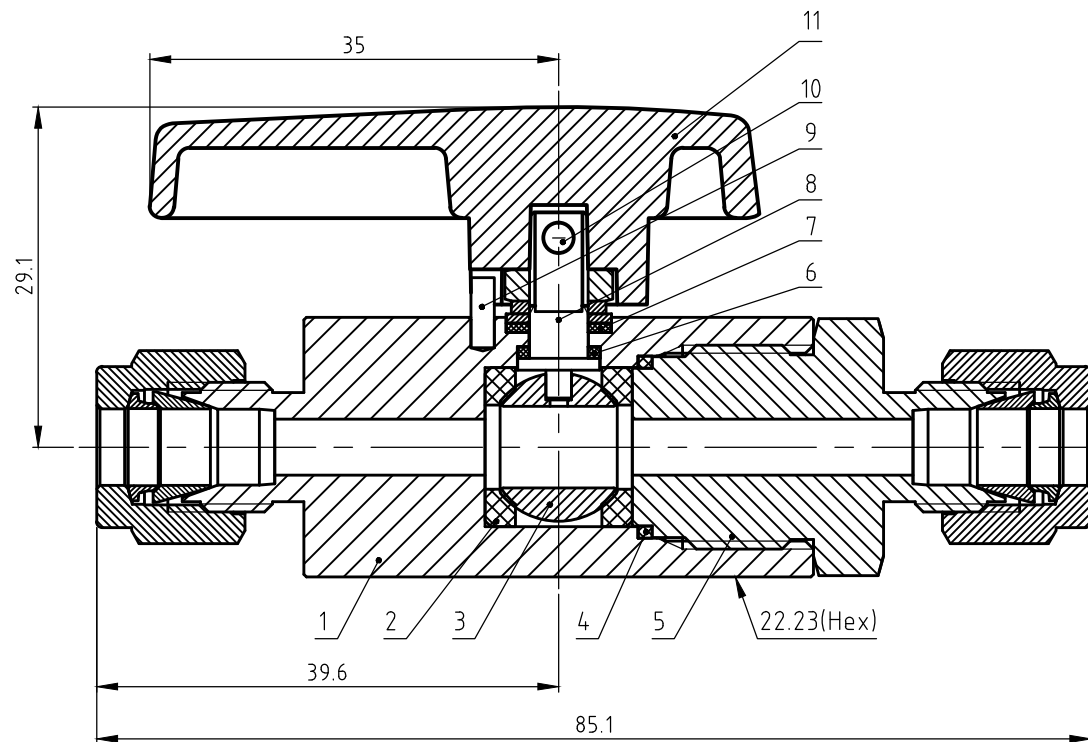
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 1/4''$
Outlet Size	O.D. $\phi 1/4''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Jun.23.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F4-T05-316-LT-CP2		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

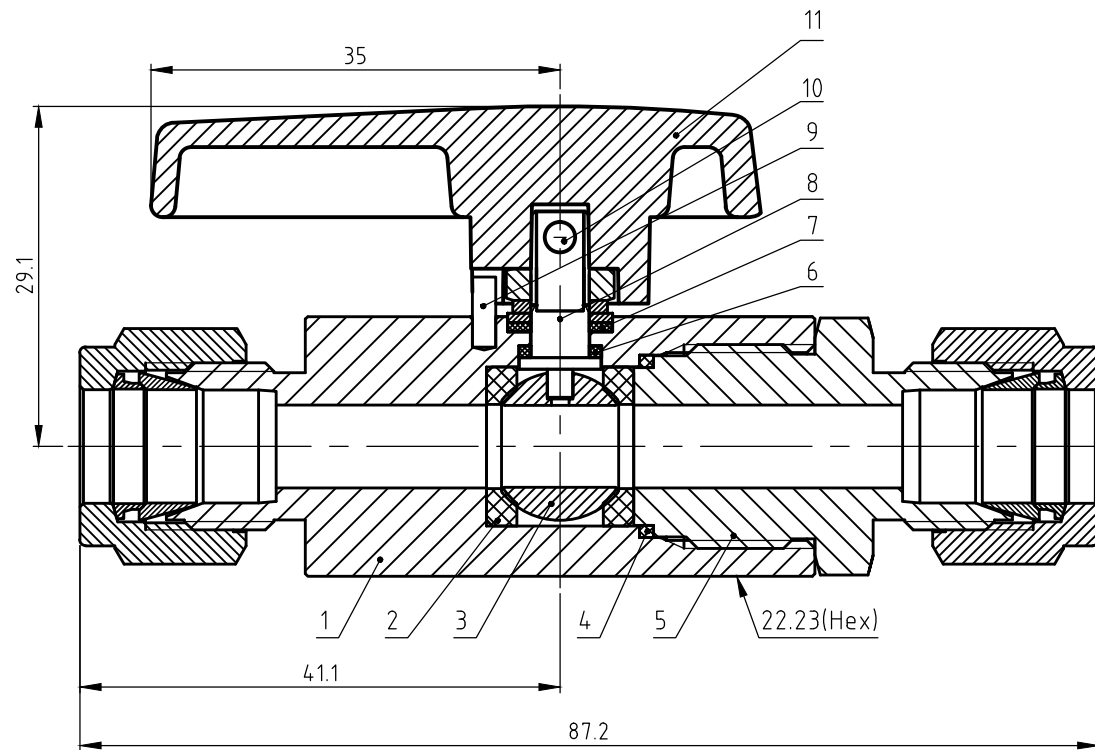
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 1/4''$
Outlet Size	O.D. $\phi 1/4''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Nov.28.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F4-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Nut	304 S.S.
11	Handle	ADC12/JIS H5302

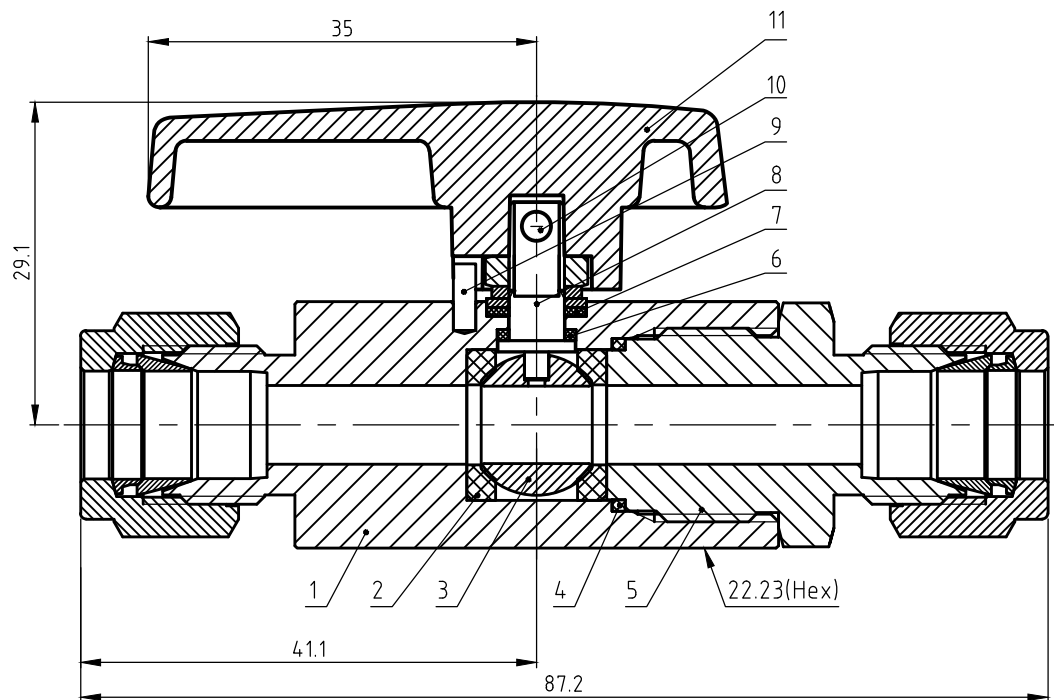
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 3/8"$
Outlet Size	O.D. $\phi 3/8"$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Mar.10.2021				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F6-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

Note:

Cleaning and packaging in oxygen-enriched environments meets ASTM G93 Grade C.

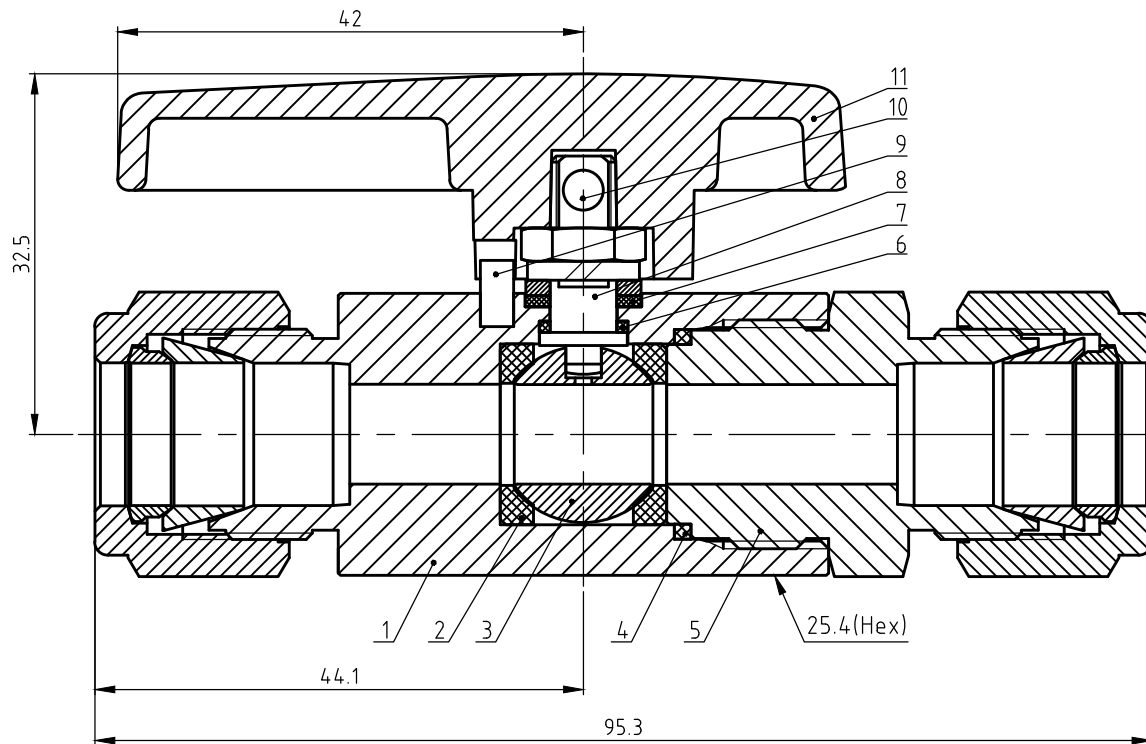
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 3/8''$
Outlet Size	O.D. $\phi 3/8''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Jun.23.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F6-T07-316-LT-CP2		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

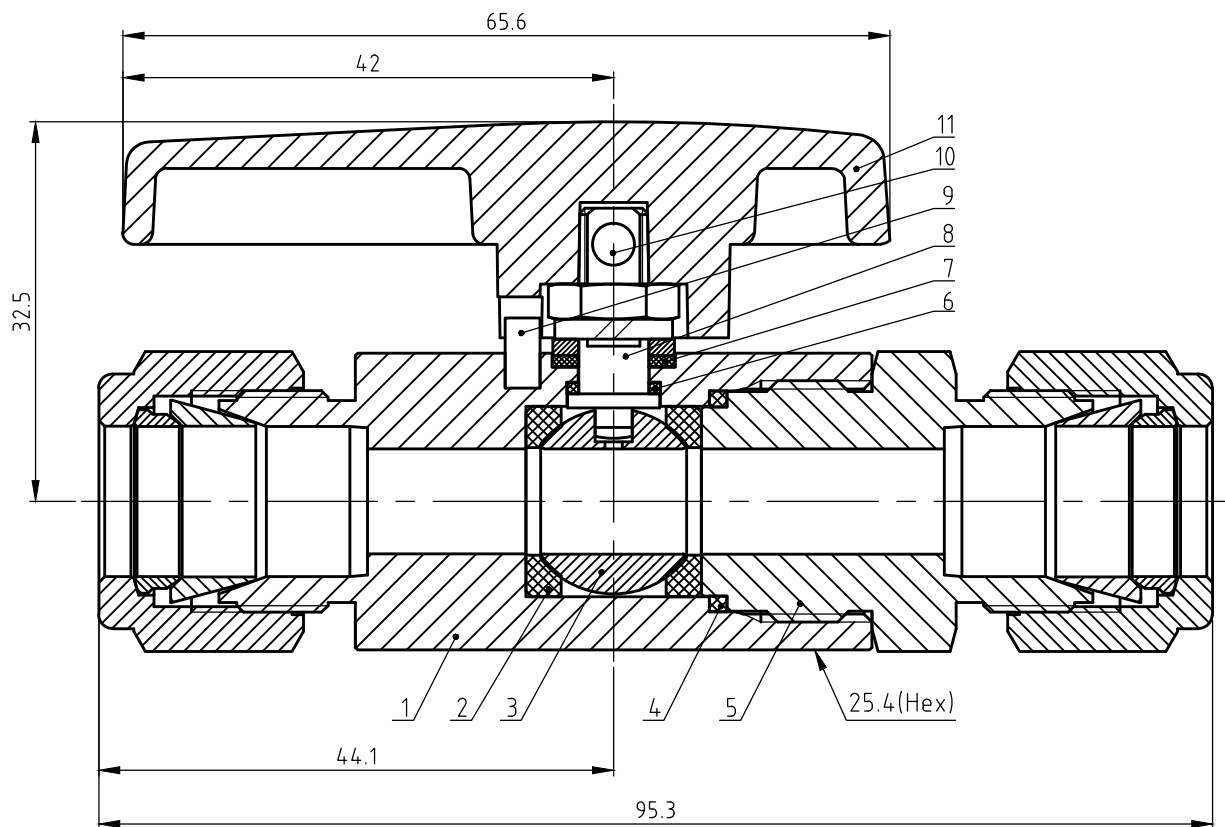
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D. ϕ 1/2"
Outlet Size	O.D. ϕ 1/2"

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Sep.22.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F8-T09-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

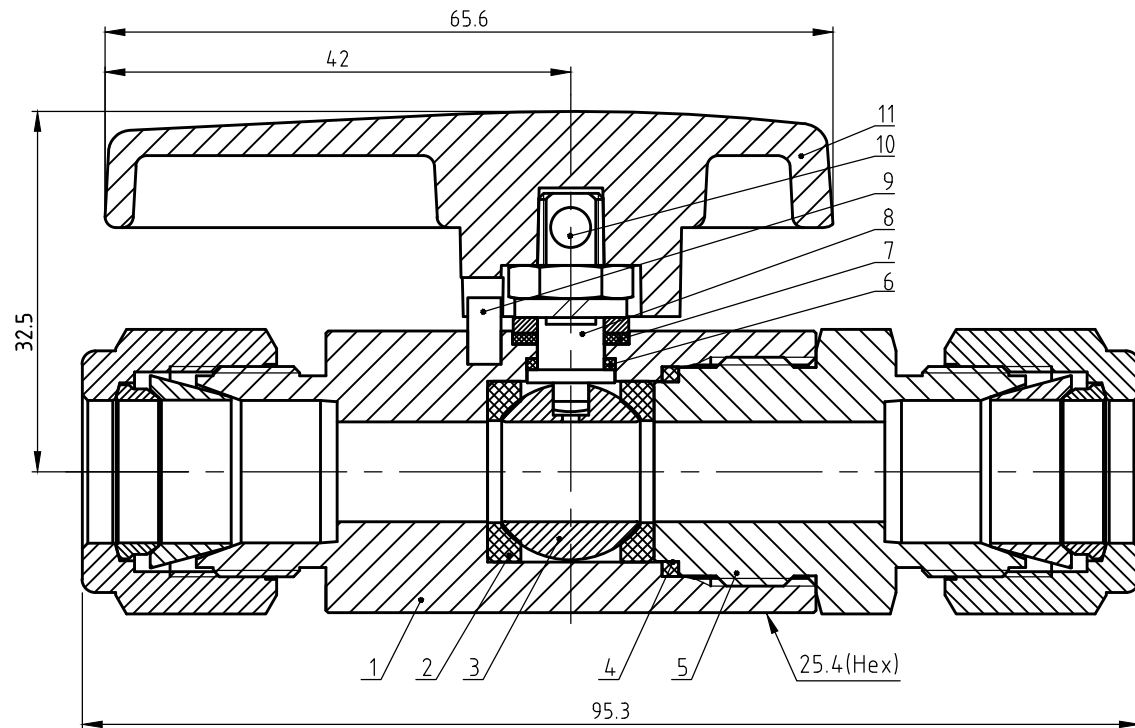
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D. ϕ 1/2"
Outlet Size	O.D. ϕ 1/2"

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	May.16.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F8-T09-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	Galvanized steel
11	Handle	ADC12/JIS H5302

Note:

Cleaning and packaging in oxygen-enriched environments meets ASTM G93 Grade C.

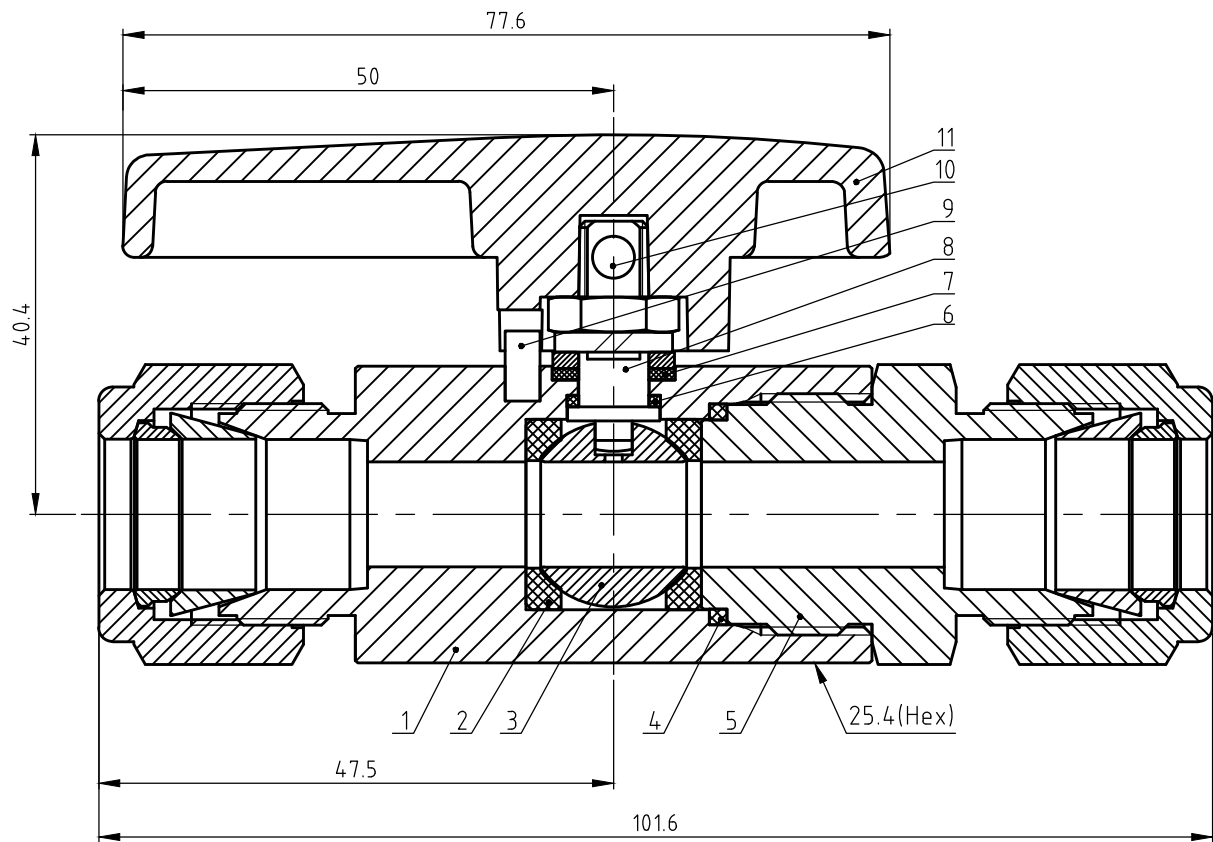
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D. $\phi 1/2''$
Outlet Size	O.D. $\phi 1/2''$
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Jun.23.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-F8-T09-316-LT-CP2		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

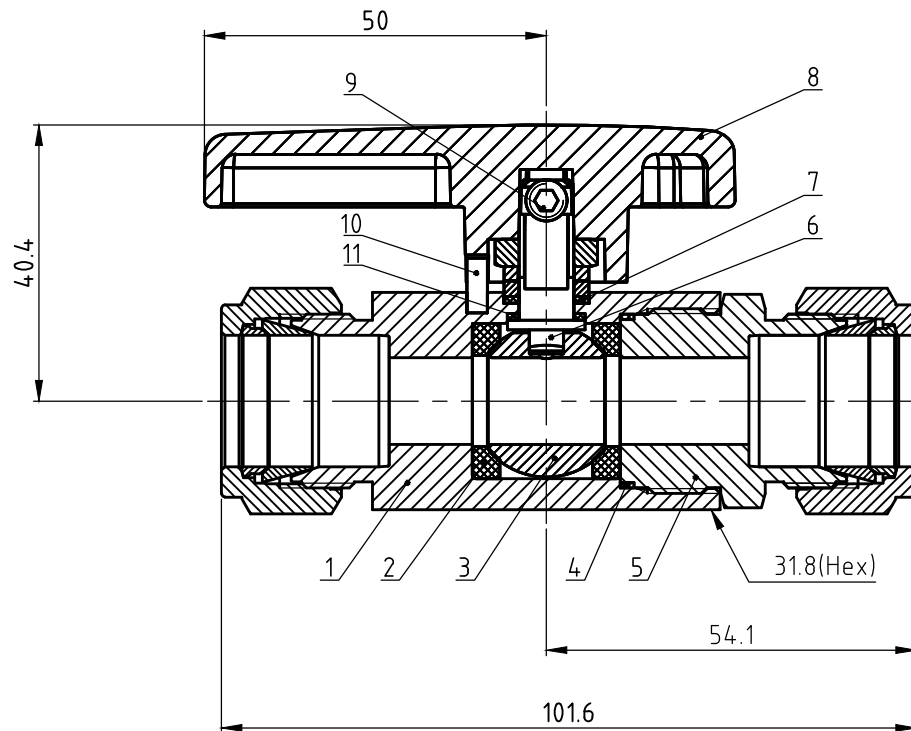
Technical Data:

Orifice Size	12.7mm
Inlet Size	O.D. $\phi 3/4"$
Outlet Size	O.D. $\phi 3/4"$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Nov.28.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F12-T13-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Seal ring	PTFE/ASTM D1710
5	Seat Bolt	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	ADC12/JIS H5302
9	Nut	304S.S.
10	Pin	304 S.S.
11	Bearing	PTFE/ASTM D1710

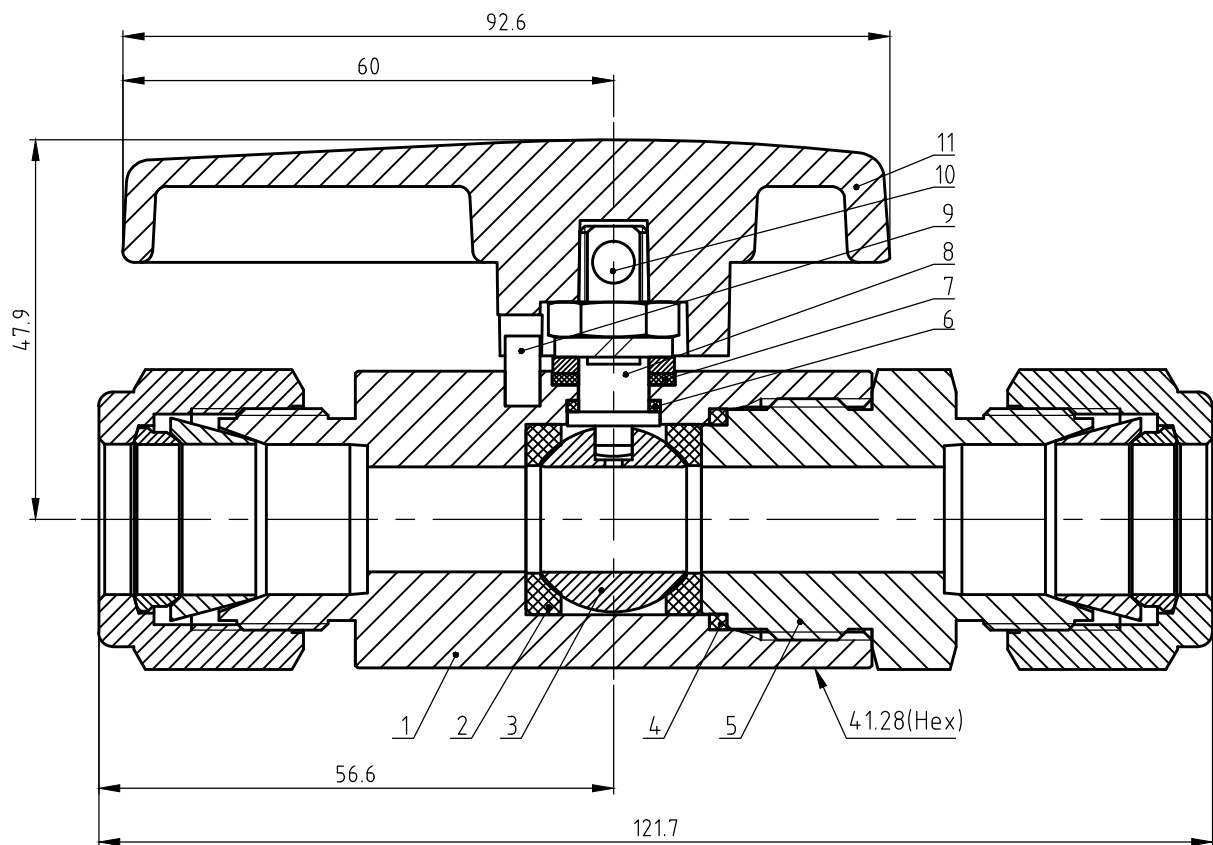
Technical Data:

Orifice Size	12.7mm
Inlet Size	3/4" O.D.
Outlet Size	3/4" O.D.
Cv	8

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000(68)		
300 (148)	800(55)		
400 (204)	330(23)		

A	Jun.06, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV3-F12-T13-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

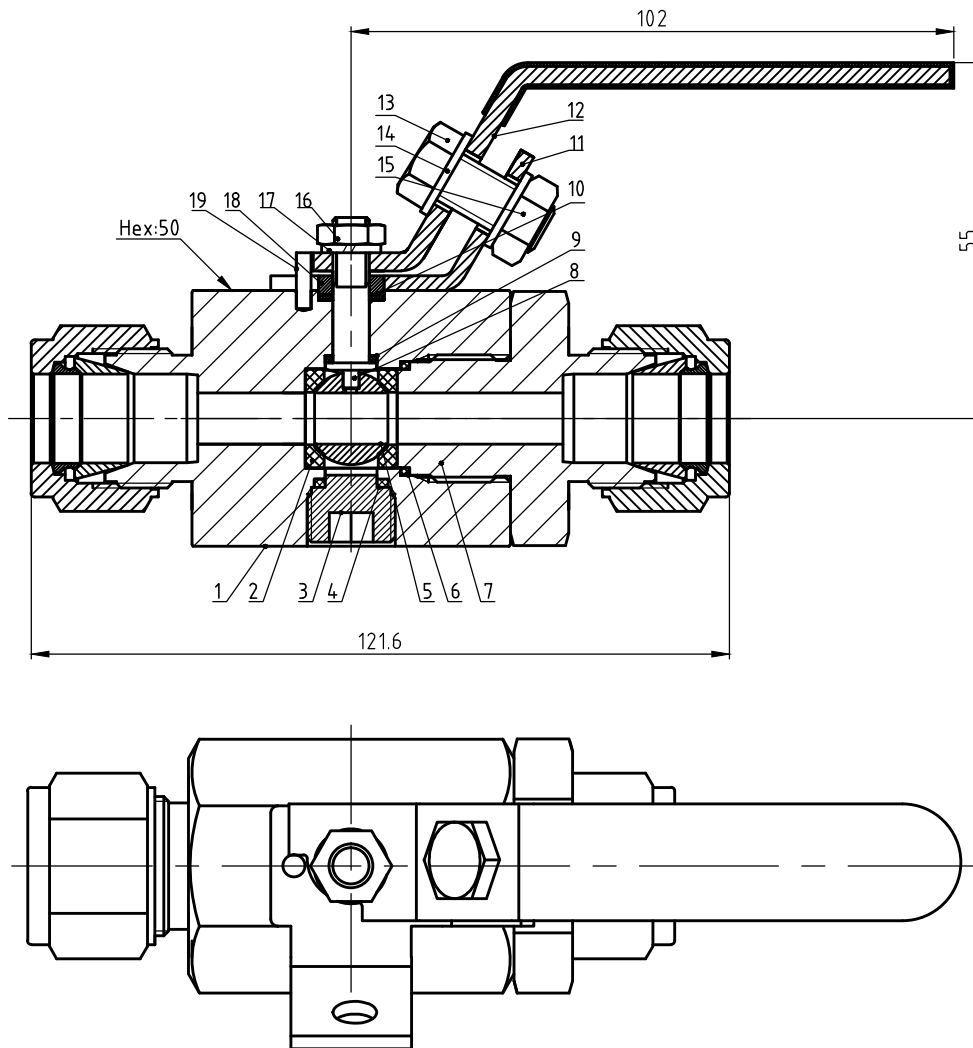
Technical Data:

Orifice Size	15mm
Inlet Size	O.D. ϕ 1"
Outlet Size	O.D. ϕ 1"

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Nov.28.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F16-T15-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Nut	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Ball	316 S.S./ASTM A479
6	Seal	PTFE/ASTM D1710
7	Connect	316 S.S./ASTM A479
8	Stem	316 S.S./ASTM A479
9	Bearing	PTFE/ASTM D1710
10	Packing	PTFE/ASTM D1710
11	Locking plate	304 S.S.
12	Handle	304 S.S.
13	Bolt	304 S.S.
14	Gasket	304 S.S.
15	Nut	304 S.S.
16	Nut	304 S.S.
17	Spring Washer	304 S.S.
18	Gland	316 S.S./ASTM A479
19	Pin	304 S.S.

Technical Data:

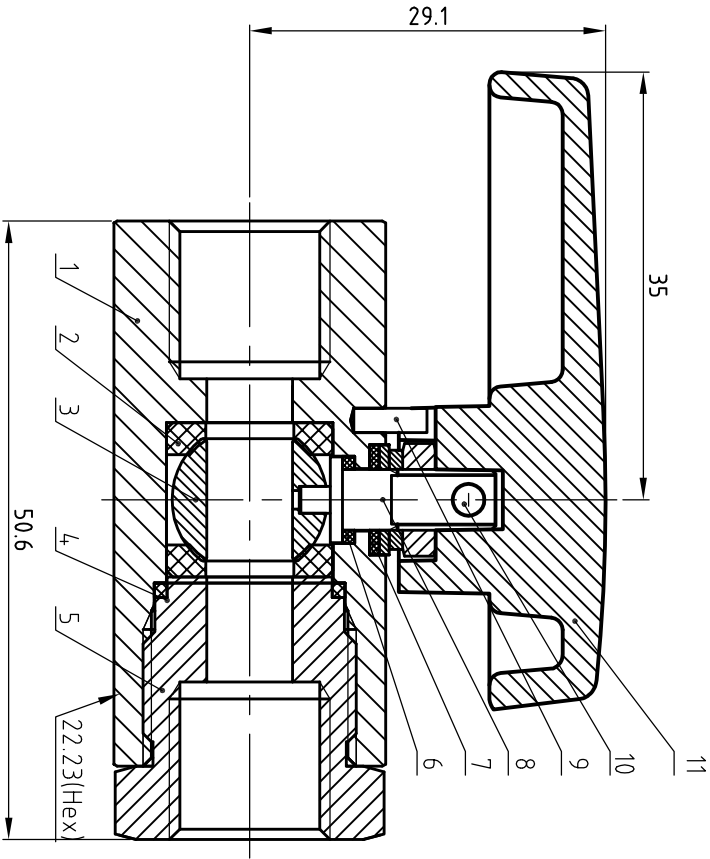
Orifice Size	15mm
Inlet Size	O.D. ϕ 1"
Outlet Size	O.D. ϕ 1"

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-76(-60)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	May.09.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-F16-T15-LL-316-LT-LD		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Nut	Galvanized steel
11	Handle	ADC12/JIS H5302



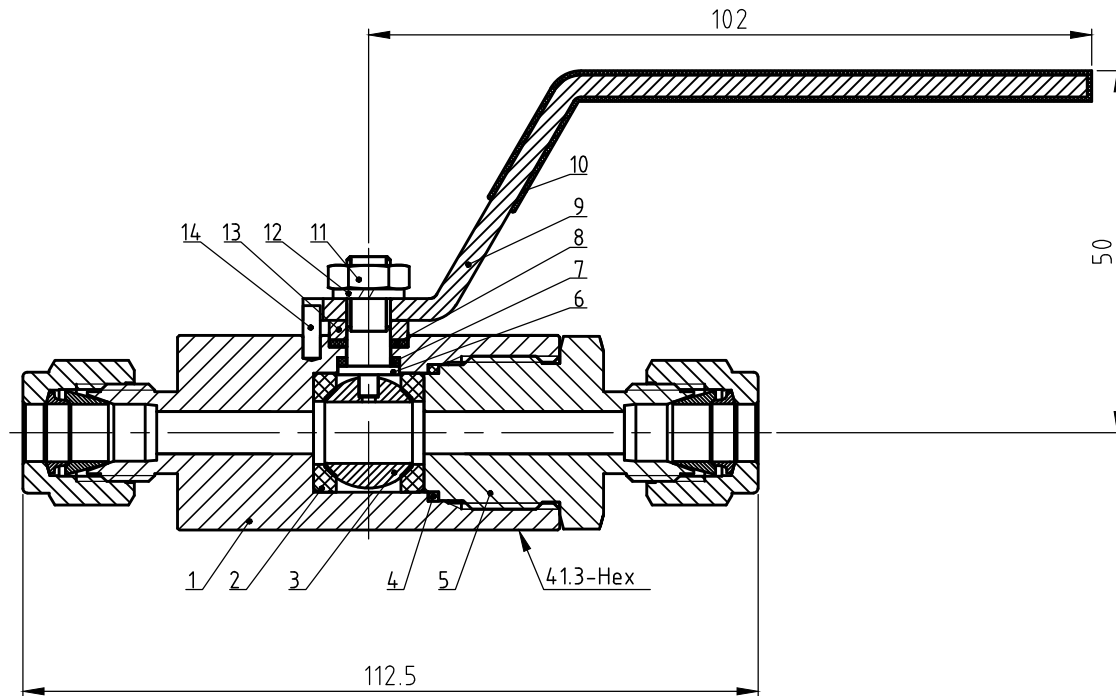
Technical Data:

Orifice Size	7.1 mm
Inlet Size	1/4 BSPP(F)
Outlet Size	1/4 BSPP(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Mar.11.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-1.0K		Title	Ball Valve		
		Model			
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		
					



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Connect	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Bearing	PTFE/ASTM D1710
8	Packing	PTFE/ASTM D1710
9	Handle	304 S.S.
10	Handle Sleeve	PVC
11	Nut	304 S.S.
12	Spring Washer	304 S.S.
13	Gland	316 S.S./ASTM A479
14	Pin	304 S.S.

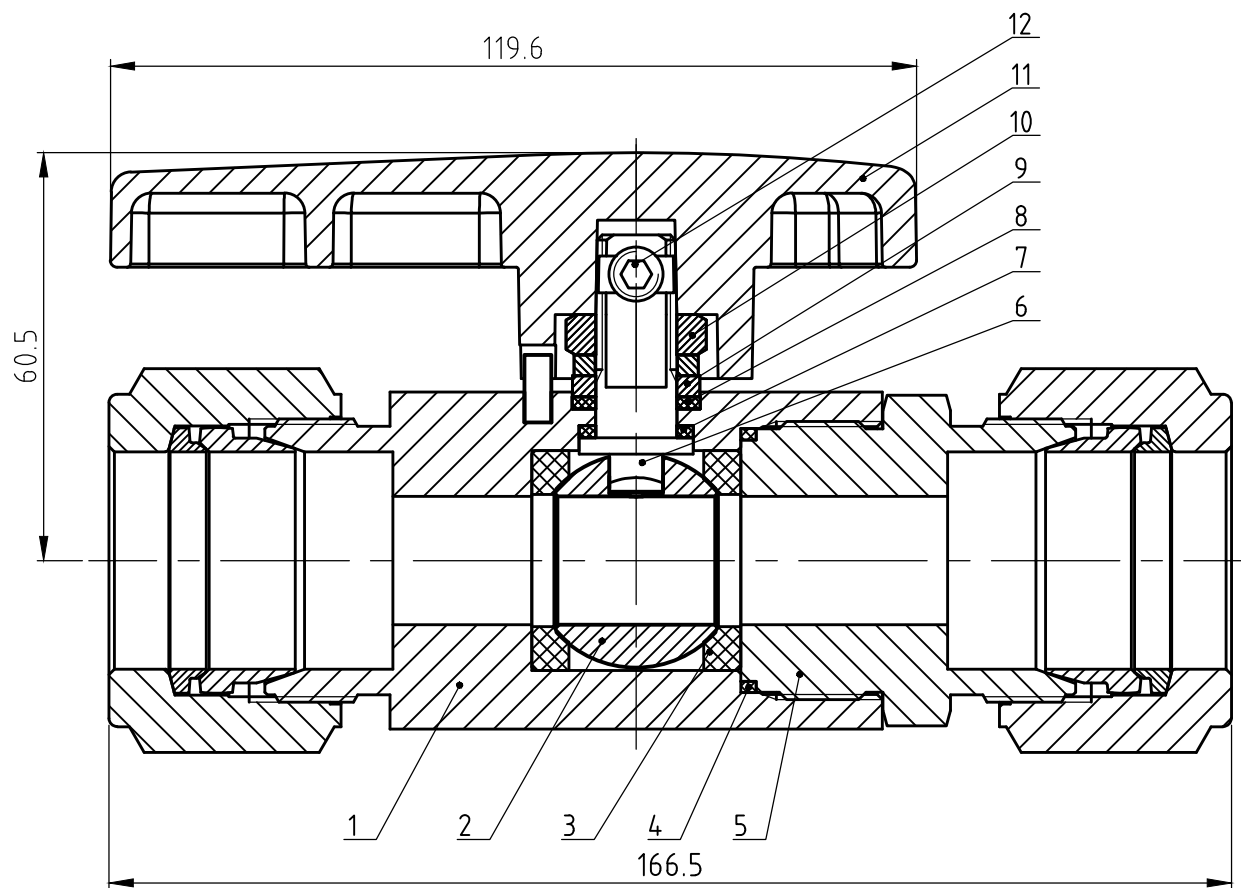
Technical Data:

Orifice Size	15.0mm
Inlet Size	O.D. Ø22
Outlet Size	O.D. Ø22

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-30(-34)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	Sep.04.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-M22-T15-LL-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Ball	316 S.S./ASTM A479
3	Seat	PTFE/ASTM D1710
4	Seal	PTFE/ASTM D1710
5	Connect	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Bearing	PTFE/ASTM D1710
8	Packing	PTFE/ASTM D1710
9	Gland	316 S.S./ASTM A479
10	Nut	304 S.S.
11	Handle	ADC12
12	Screw	304 S.S.

Technical Data:

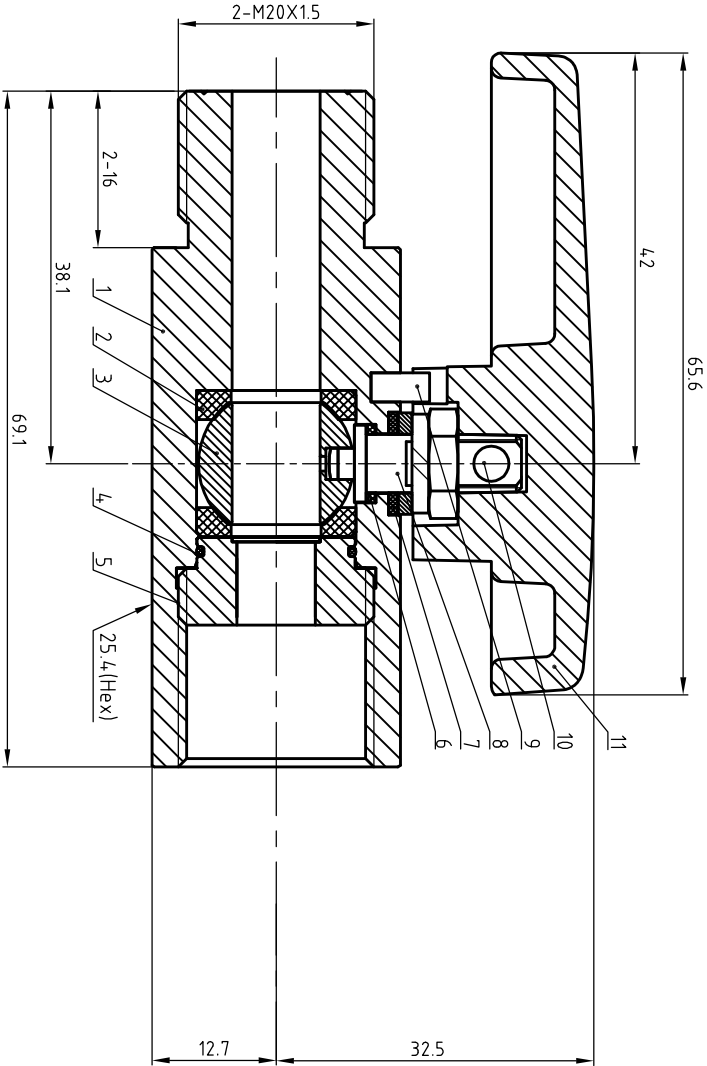
Orifice Size	19mm
Inlet Size	O.D. ϕ 32
Outlet Size	O.D. ϕ 32

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-30(-34)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	Jun.13.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M32-T19-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	Galvanized steel
11	Handle	ADC12/JIS H5302



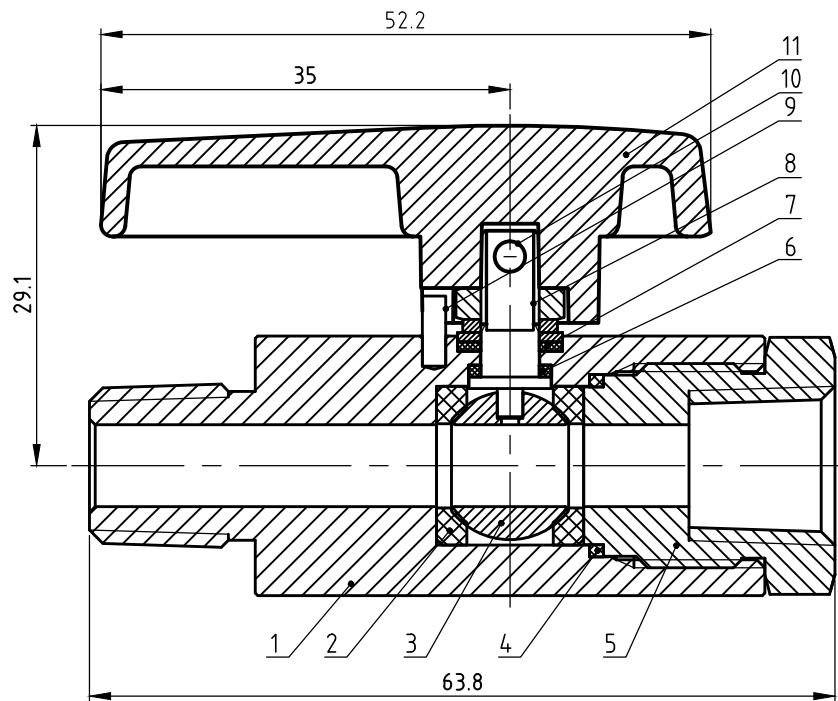
Technical Data:

Orifice Size	9 mm
Cv	6.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Apr. 11.2025					YES
REV	Revision Date	Created	Checked	Approved	Status	
CIR-LOK		Title	Ball Valve			
Format	A4	Unit	mm	BV3-MS20-FMS20-T09-316		
Scale	Not 1:1	Page	1 of 1	View		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PCTFE
3	Ball	316 S.S./ASTM A479
4	O-ring	FKM
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	Galvanized steel
11	Handle	ADC12/JIS H5302

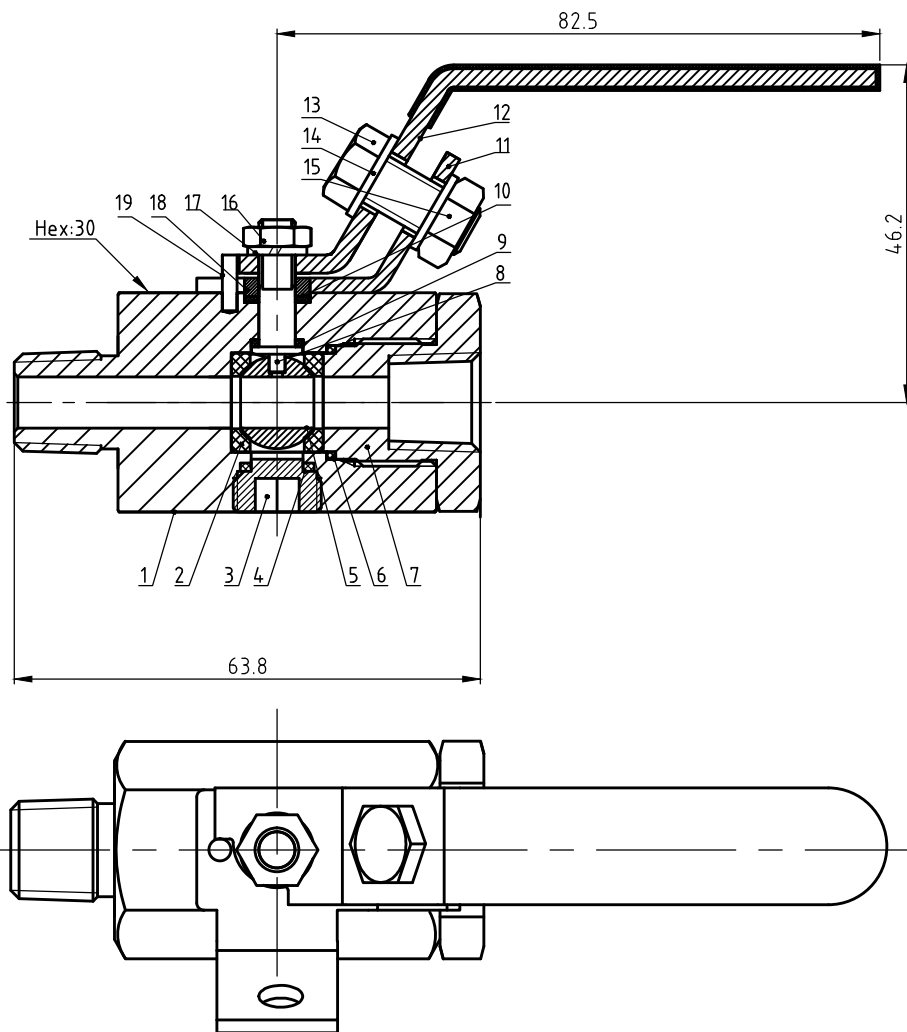
Technical Data:

Orifice Size	9 mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	2.3

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Apr.26.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-NPT4-FNPT4-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Nut	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Ball	316 S.S./ASTM A479
6	Seal	PTFE/ASTM D1710
7	Connect	316 S.S./ASTM A479
8	Stem	316 S.S./ASTM A479
9	Bearing	PTFE/ASTM D1710
10	Packing	PTFE/ASTM D1710
11	Locking plate	304 S.S.
12	Handle	304 S.S.
13	Bolt	304 S.S.
14	Gasket	304 S.S.
15	Nut	304 S.S.
16	Nut	304 S.S.
17	Spring Washer	304 S.S.
18	Gland	316 S.S./ASTM A479
19	Pin	304 S.S.

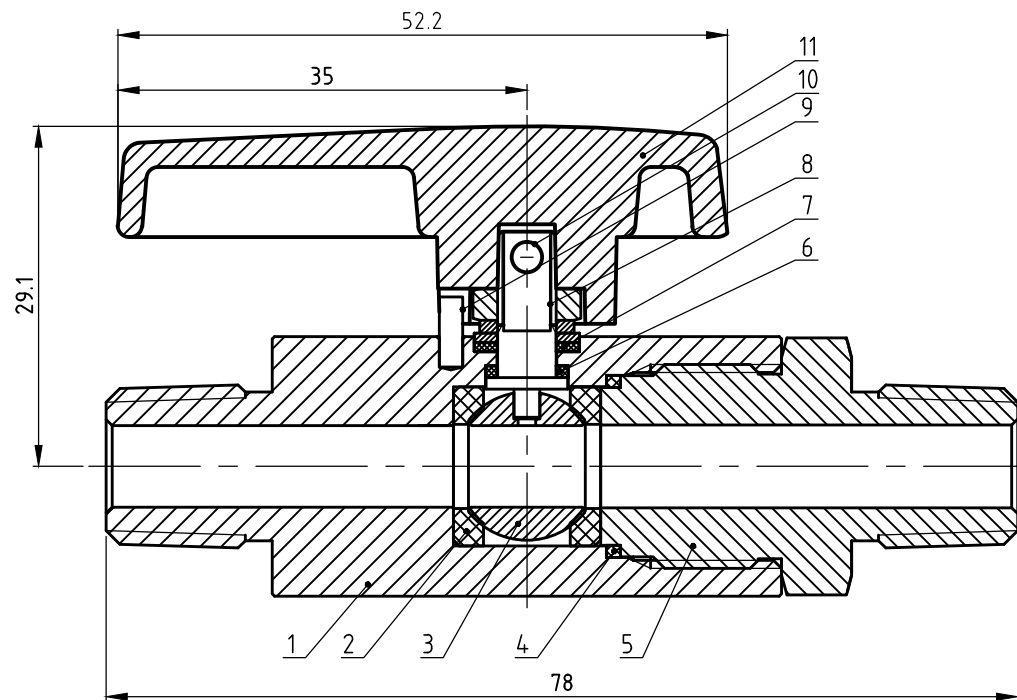
Technical Data:

Orifice Size	7.1mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT (F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-76(-60)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	May.09.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-NPT4-FNPT4-T07-LL-316-LT-LD		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Seal	PTFE
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	Galvanized steel
11	Handle	ADC12/JIS H5302

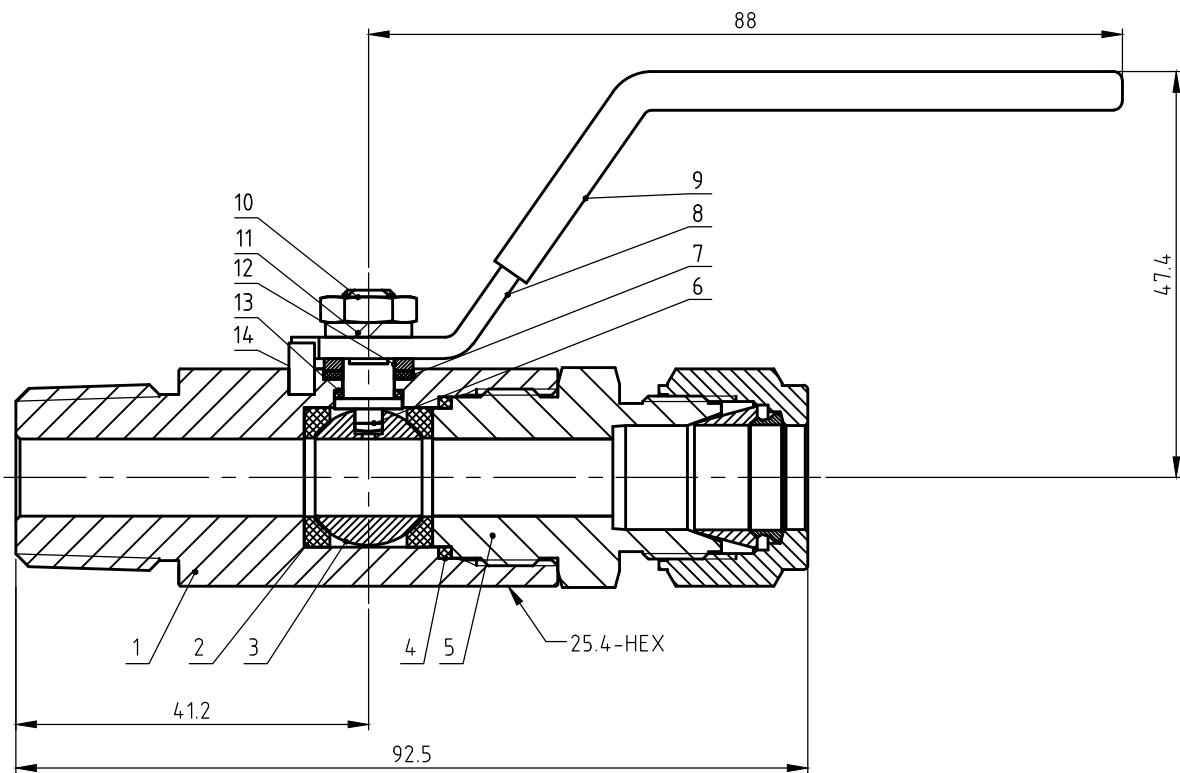
Technical Data:

Orifice Size	7 mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60)to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Nov.23.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-NPT4-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	O-Ring	FKM
5	Joint	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	304 S.S.
9	Handle Sleeve	PVC
10	Nut	304 S.S.
11	Spring Washer	304 S.S.
12	Gland	316 S.S./ASTM A479
13	Bearing	PTFE/ASTM D1710
14	Pin	304 S.S.

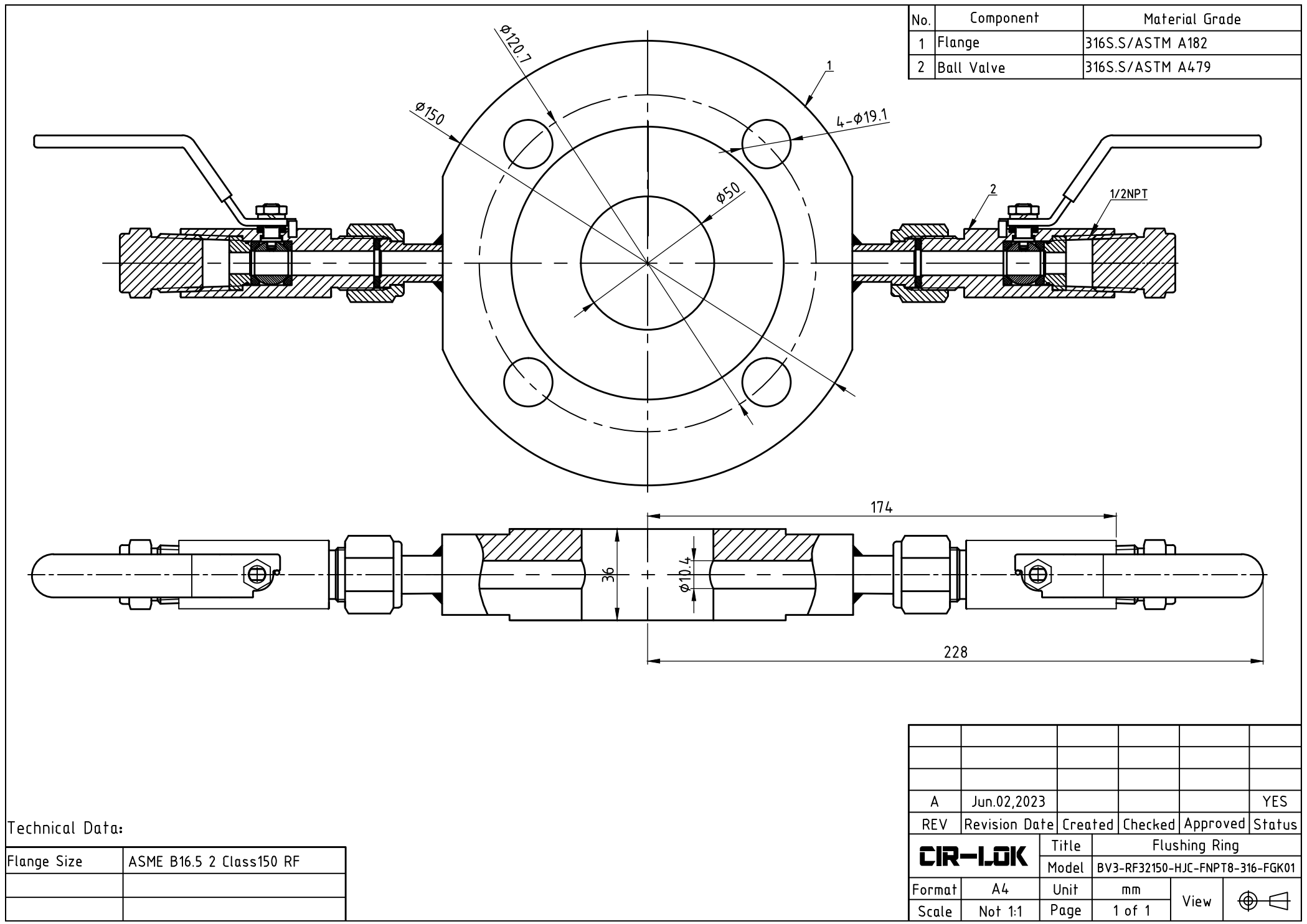
Technical Data:

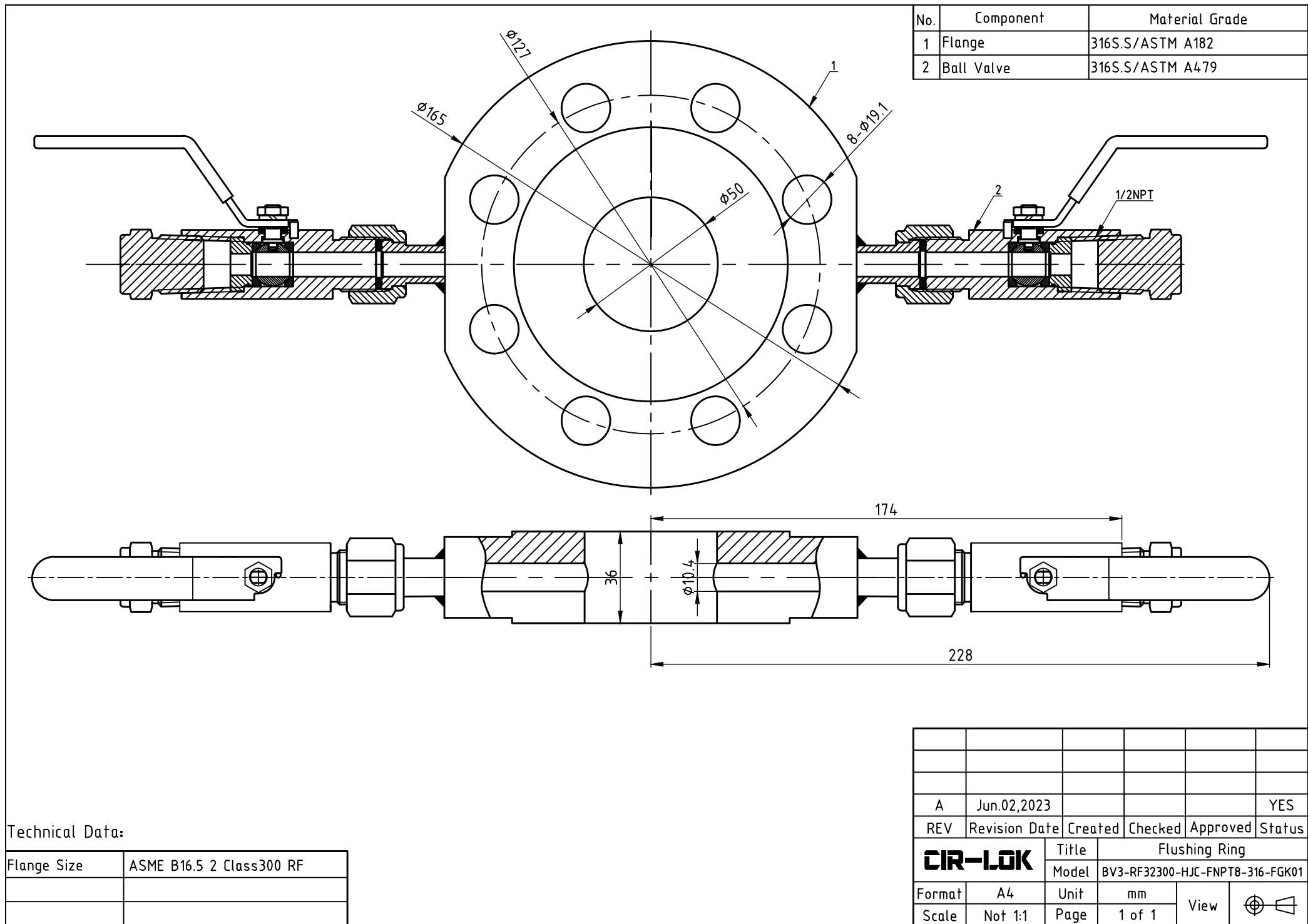
Orifice Size	9 mm
Inlet Size	1/2 NPT
Outlet Size	O.D. ϕ 12
Cv	6.4

Pressure vs. Temperature Ratings:

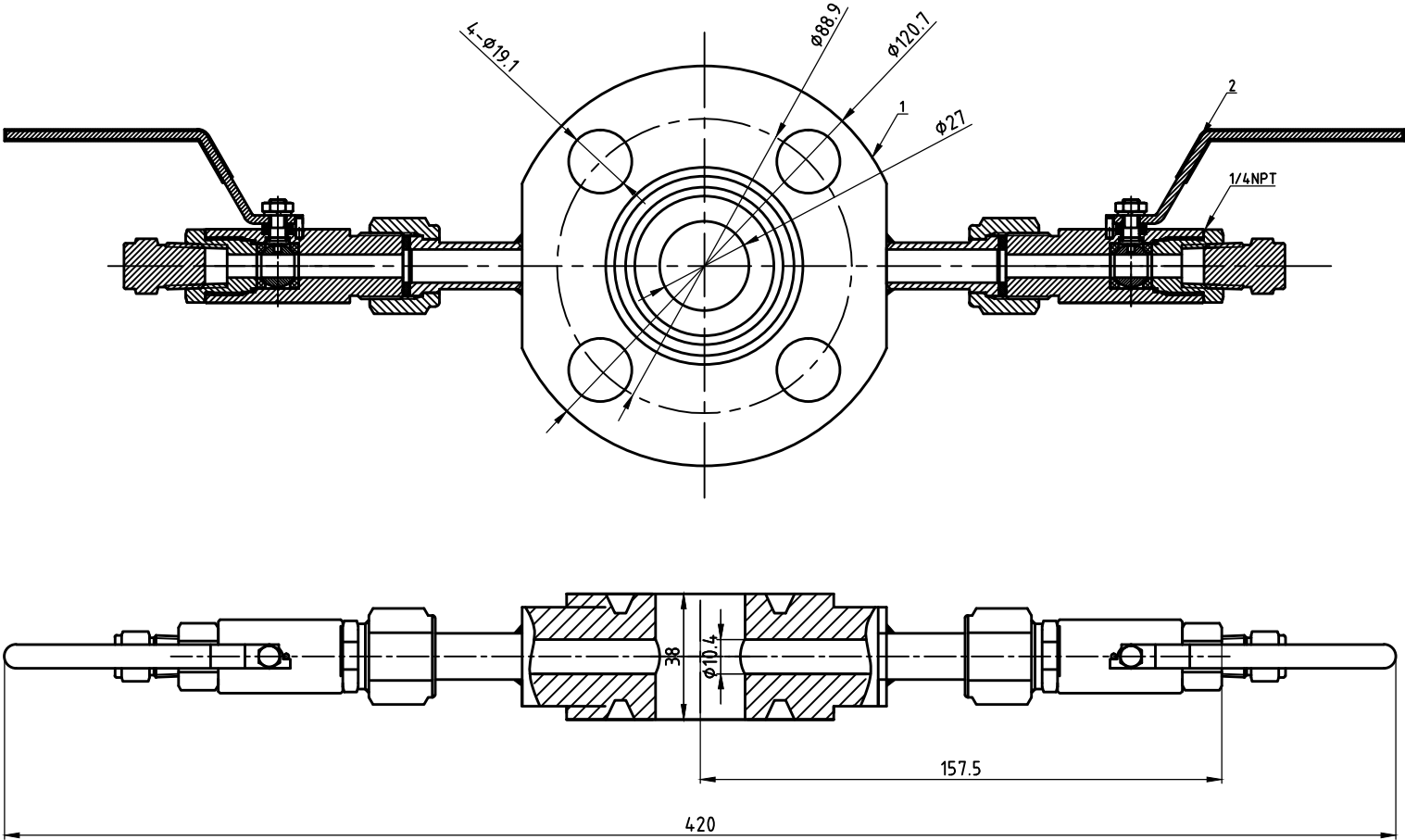
Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Mar.22.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-NPT8-M12-T09-LL-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		





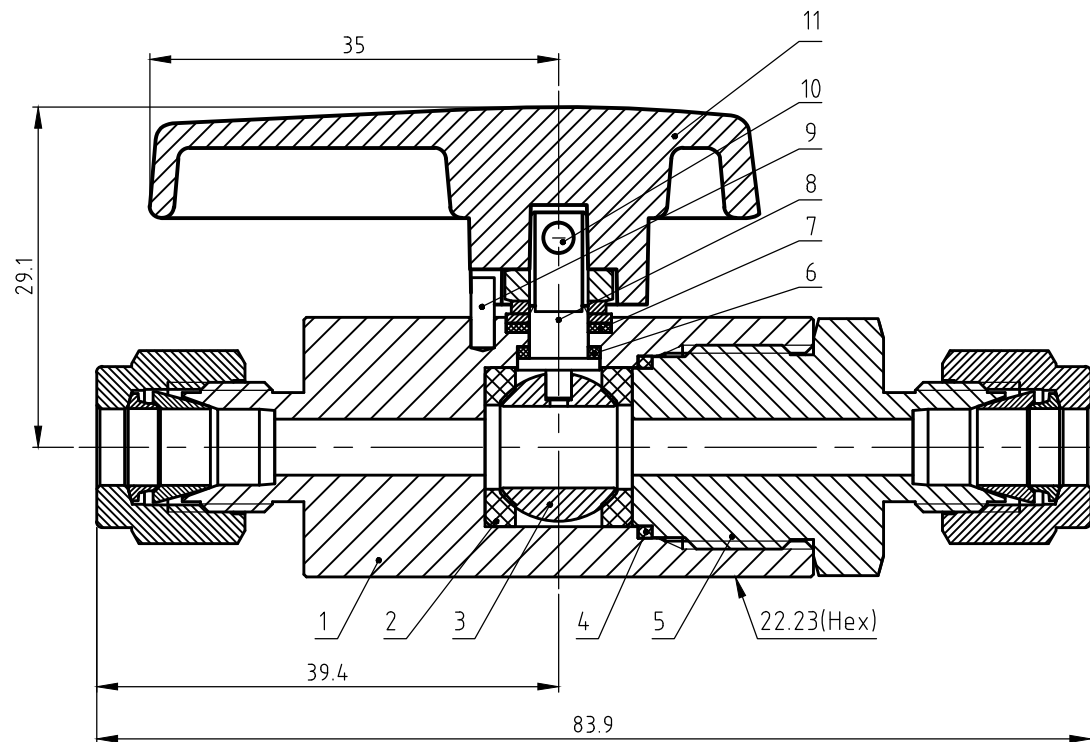
No.	Component	Material Grade
1	Flange	316S.S/ASTM A182
2	Ball Valve	316S.S/ASTM A479



Technical Data:

Flange Size	ASME B16.5 1 Class600 RTJ

E	Aug.02,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Flushing Ring		
		Model	BV3-RTJ16600-HJC-FNPT4-316-FGK01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

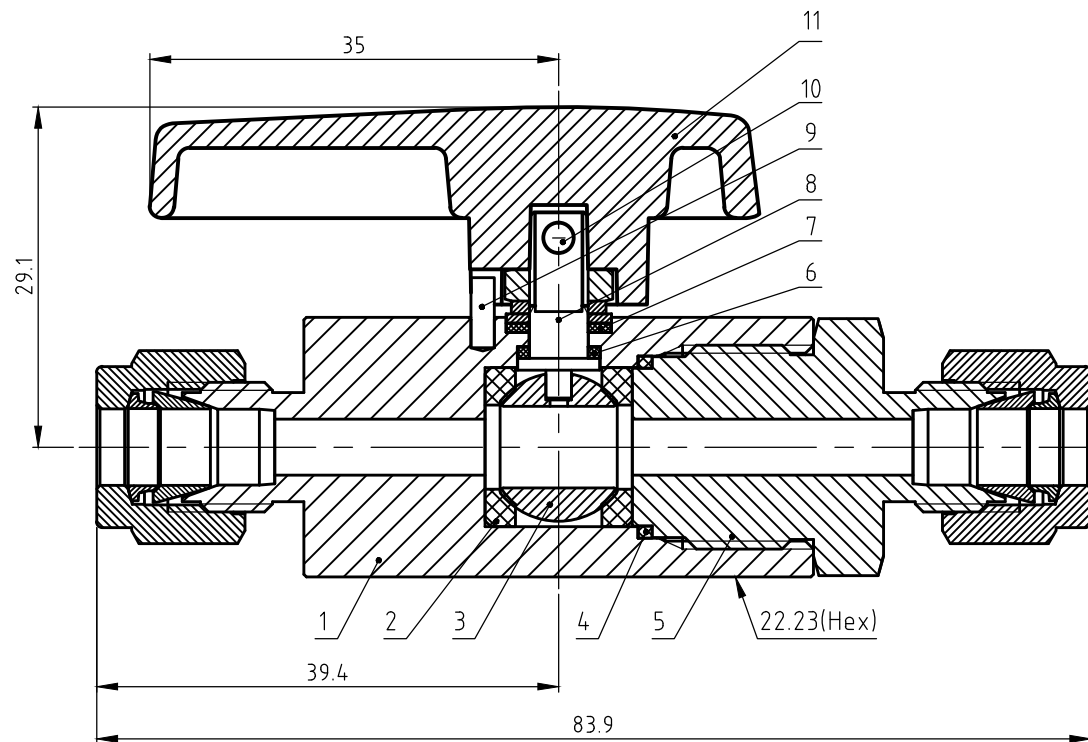
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.06.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M6-T07-316		
Format	A4	Unit	mm	View	⊕
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PCTFE
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

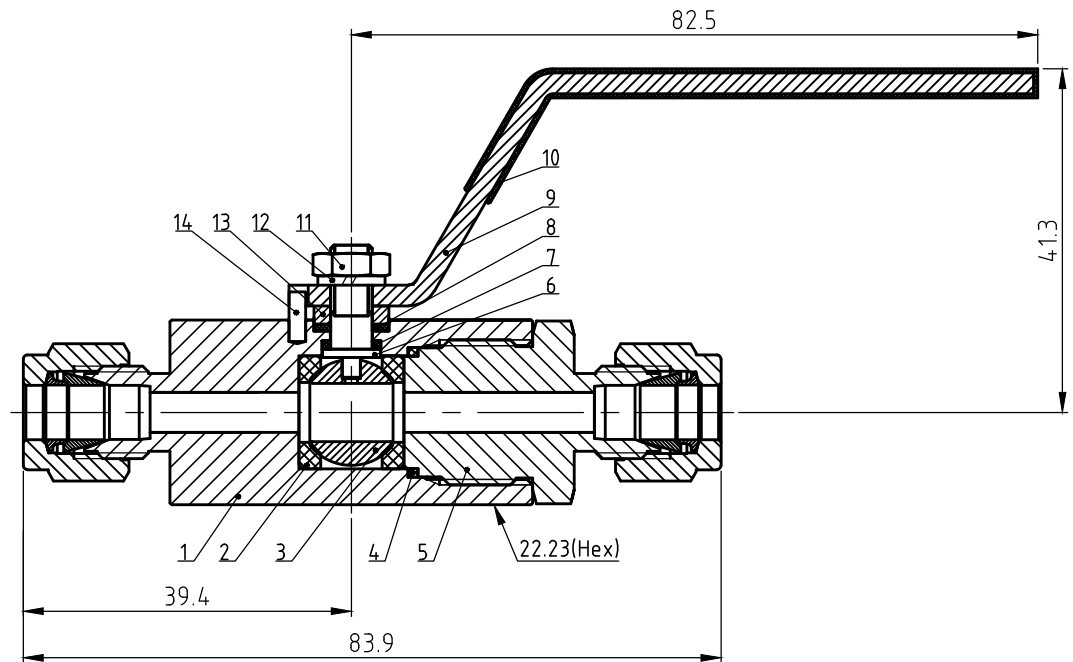
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Feb.28.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M6-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Connect	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Bearing	PTFE/ASTM D1710
8	Packing	PTFE/ASTM D1710
9	Handle	304 S.S.
10	Handle Sleeve	PVC
11	Nut	304 S.S.
12	Spring Washer	304 S.S.
13	Gland	316 S.S./ASTM A479
14	Pin	304 S.S.

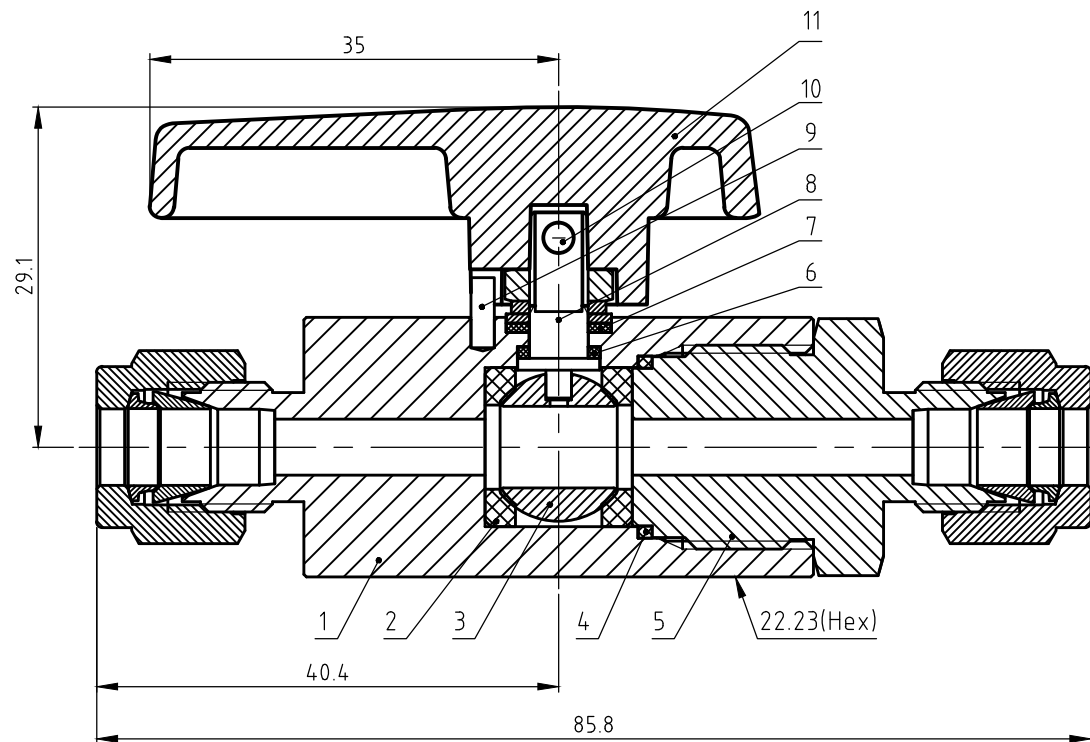
Technical Data:

Orifice Size	7.1mm
Inlet Size	O.D. Ø6
Outlet Size	O.D. Ø6
Cv	2.3

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-30(-34)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	Sep.22.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-M6-T07-LL-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

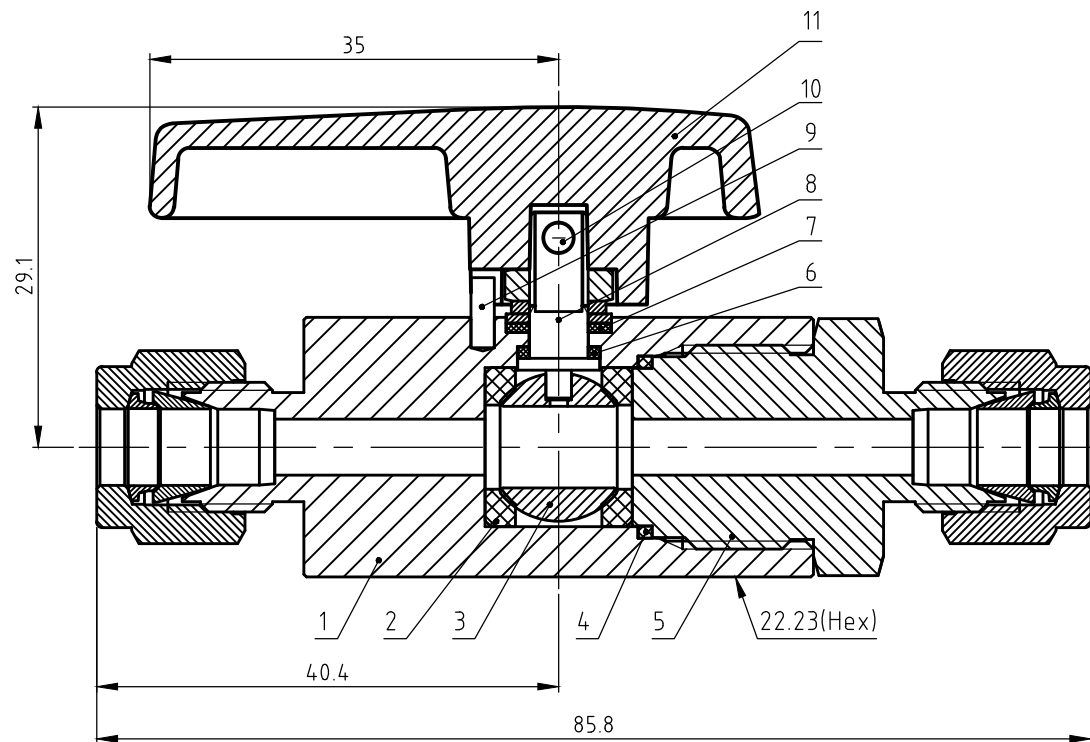
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 8$
Outlet Size	O.D. $\phi 8$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Dec.26.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M8-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

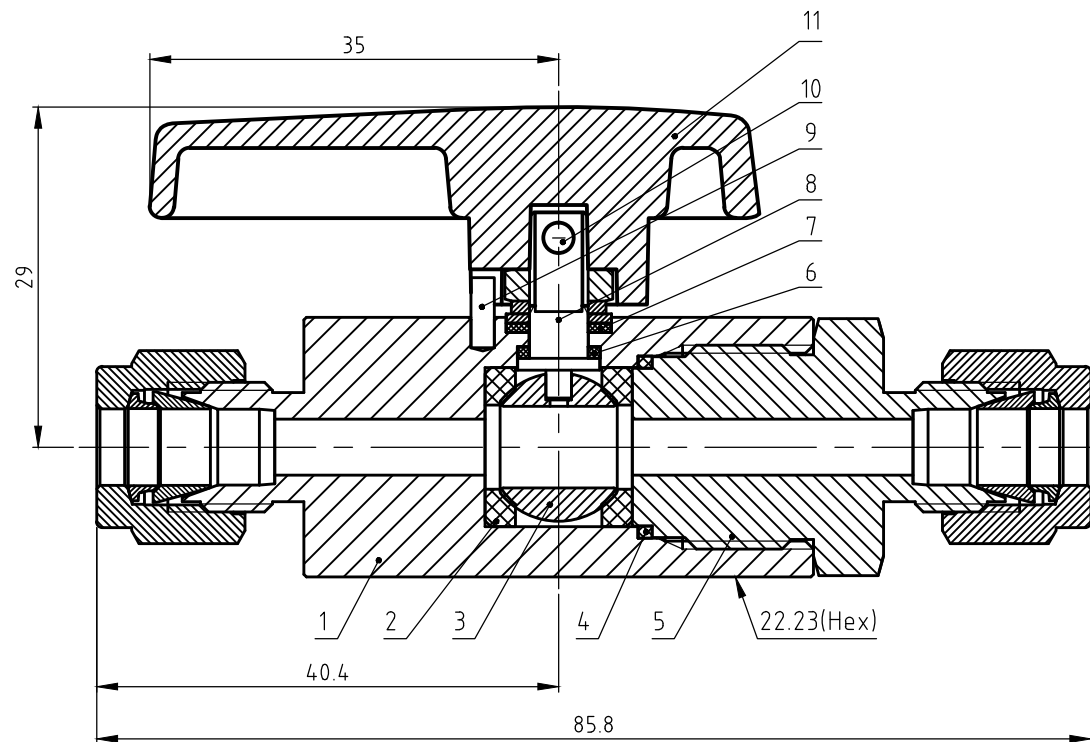
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 8$
Outlet Size	O.D. $\phi 8$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		

A	Jun.19.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M8-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

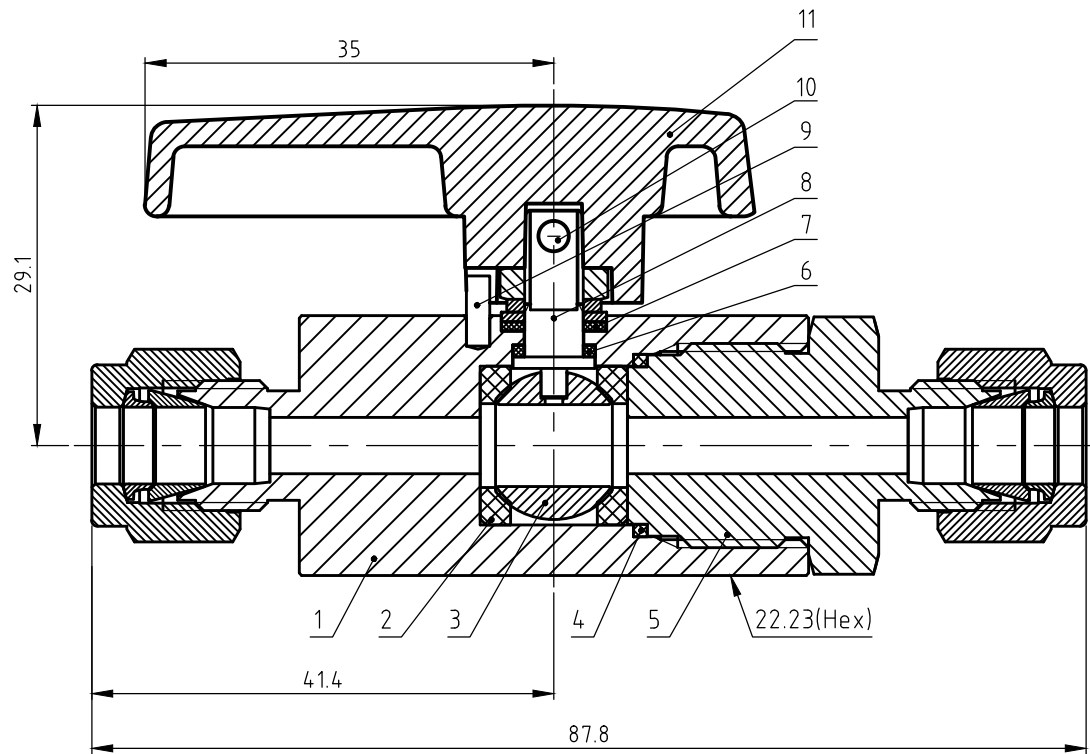
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. $\phi 8$
Outlet Size	O.D. $\phi 8$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Sep.04.2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M8-T07-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

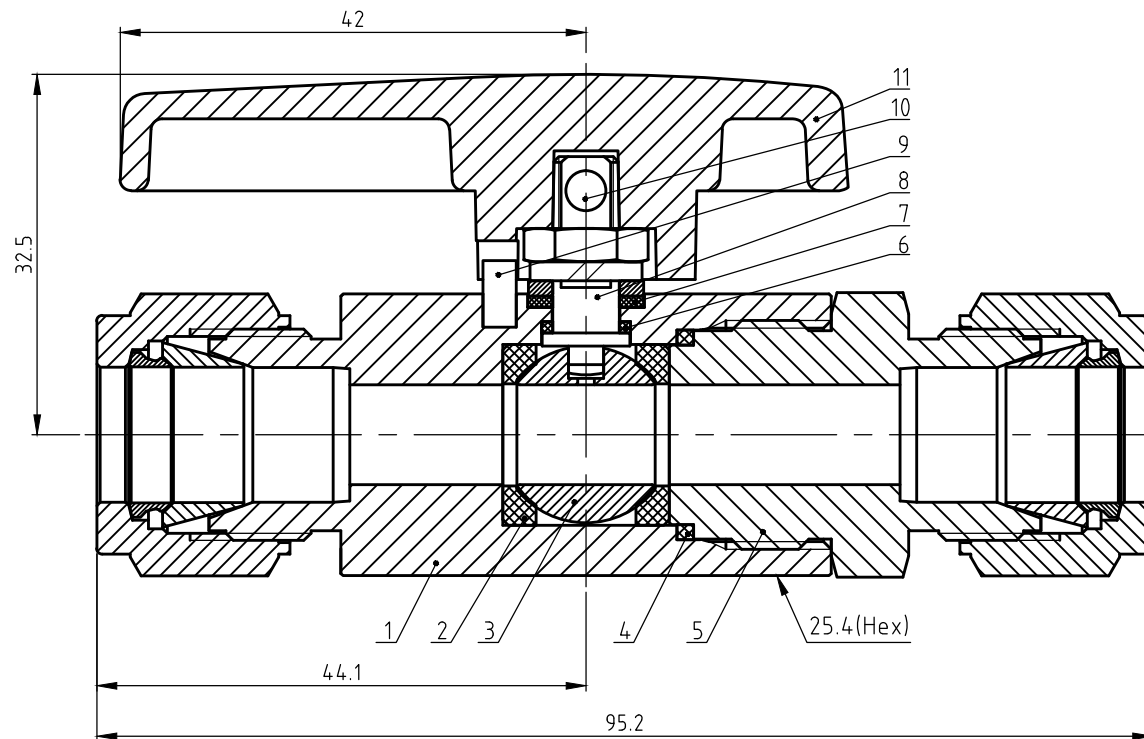
Technical Data:

Orifice Size	7.1 mm
Inlet Size	O.D. ϕ 10
Outlet Size	O.D. ϕ 10

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.22.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M10-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

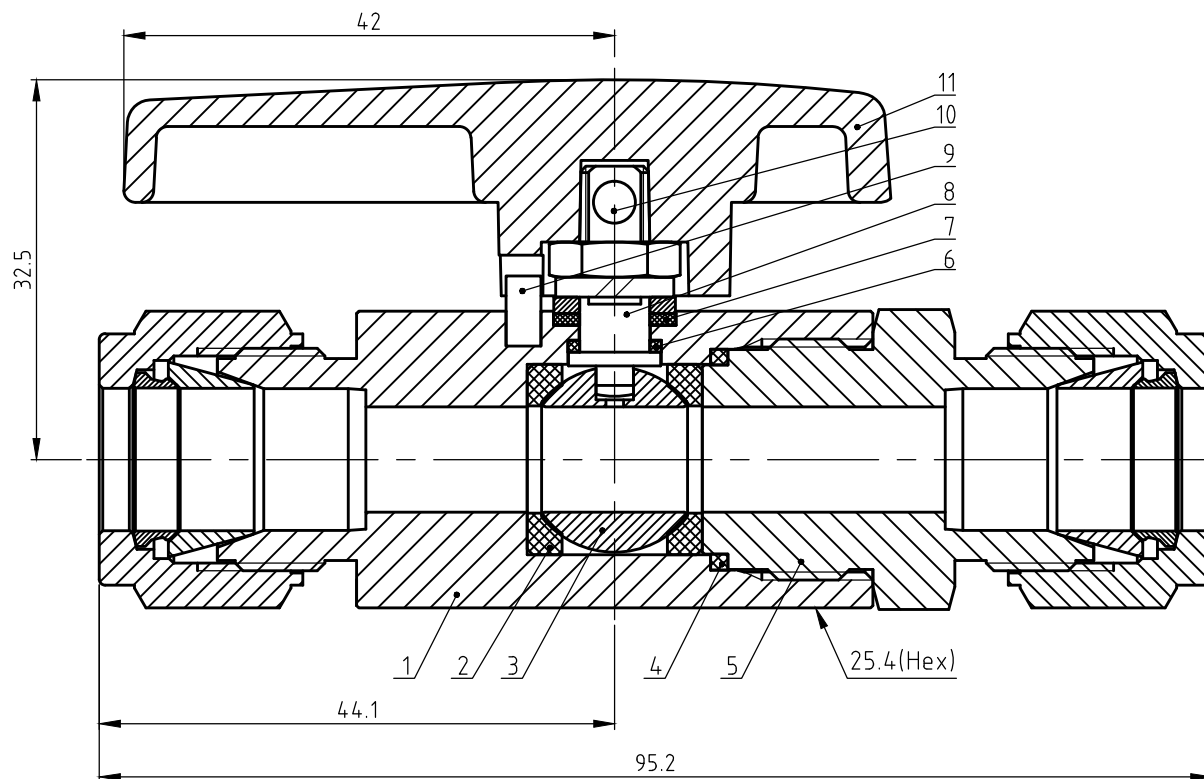
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D.Ø12
Outlet Size	O.D.Ø12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Jul.14.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M12-T09-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316L S.S./ASTM A479
2	Seat	PFA
3	Ball	316L S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316L S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316L S.S./ASTM A479
9	Pin	304 S.S.
10	Screw	304 S.S.
11	Handle	ADC12/JIS H5302

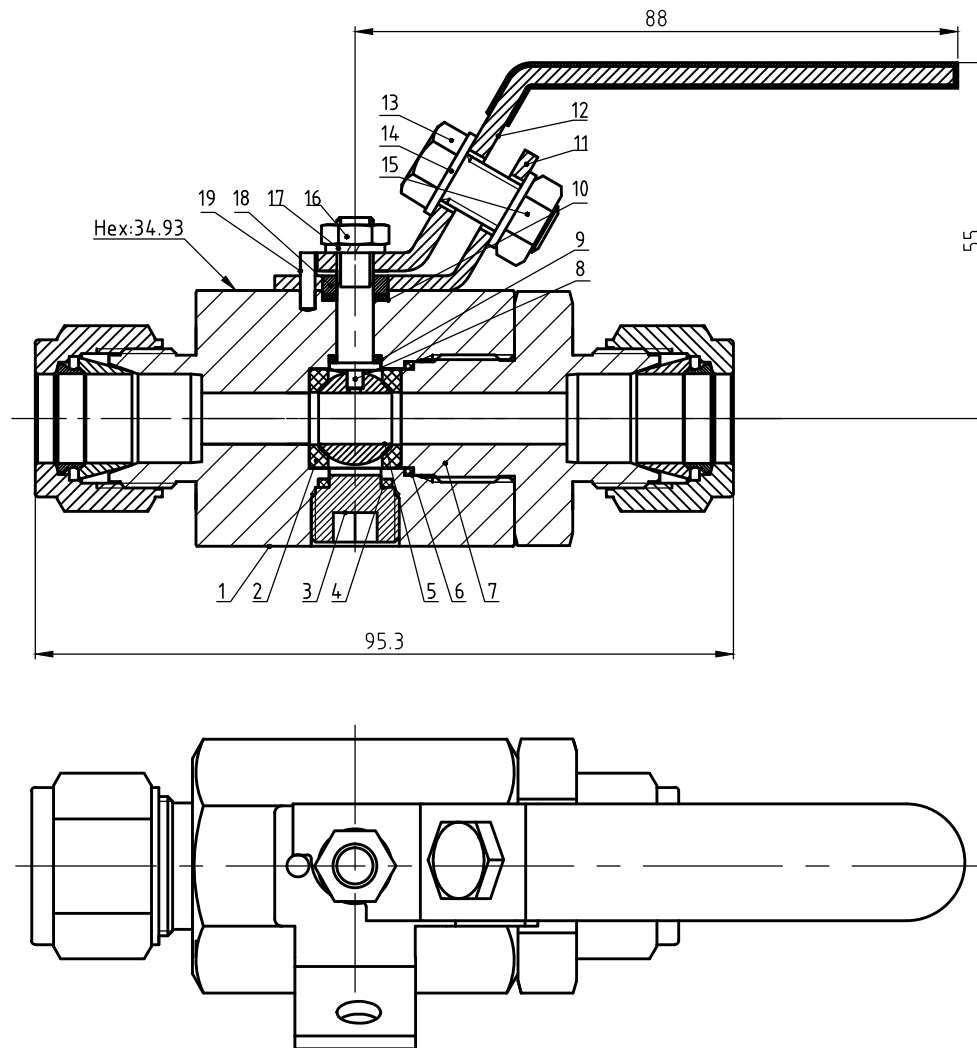
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D. ϕ 12
Outlet Size	O.D. ϕ 12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.22.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M12-T09-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PTFE/ASTM D1710
3	Nut	316 S.S./ASTM A479
4	Seal	PTFE/ASTM D1710
5	Ball	316 S.S./ASTM A479
6	Seal	PTFE/ASTM D1710
7	Connect	316 S.S./ASTM A479
8	Stem	316 S.S./ASTM A479
9	Bearing	PTFE/ASTM D1710
10	Packing	PTFE/ASTM D1710
11	Locking plate	304 S.S.
12	Handle	304 S.S.
13	Bolt	304 S.S.
14	Gasket	304 S.S.
15	Nut	304 S.S.
16	Nut	304 S.S.
17	Spring Washer	304 S.S.
18	Gland	316 S.S./ASTM A479
19	Pin	304 S.S.

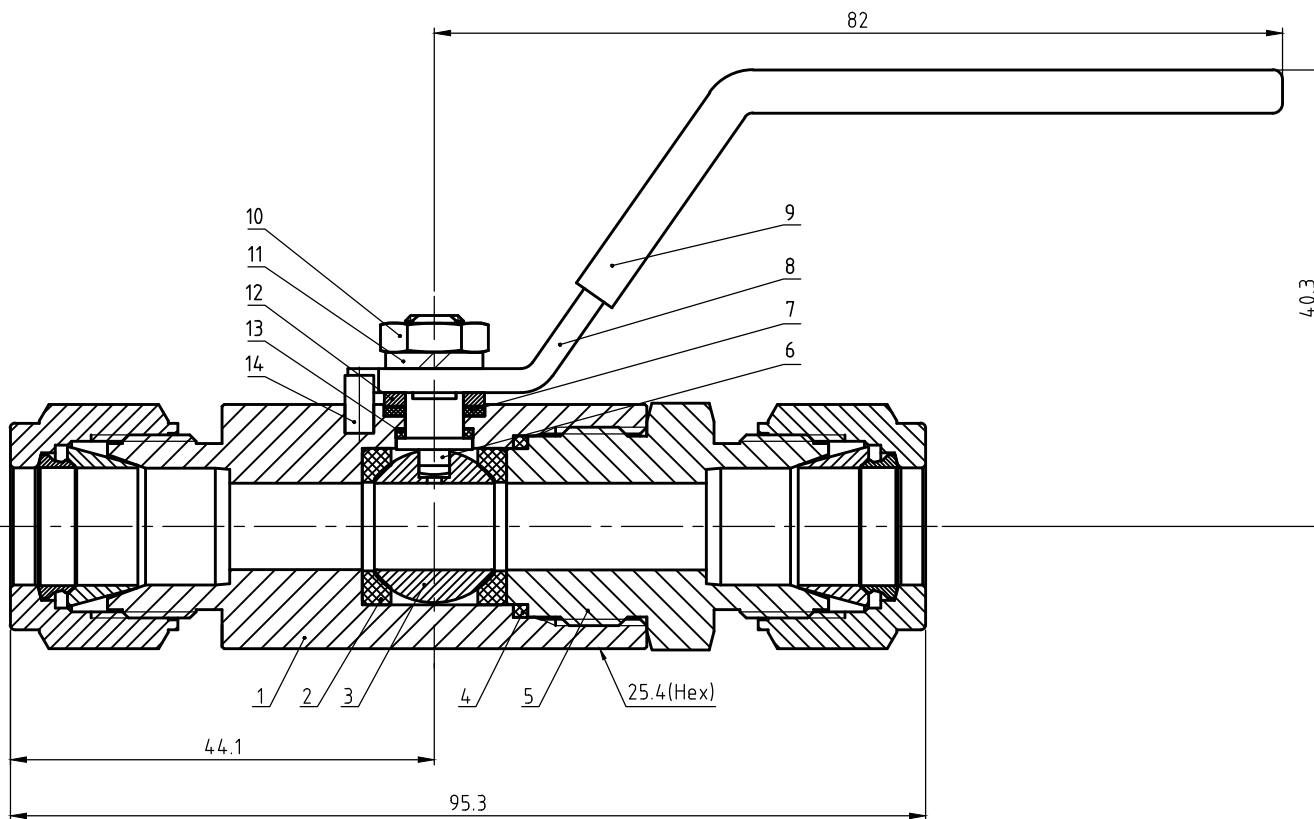
Technical Data:

Orifice Size	9mm
Inlet Size	O.D.Ø12
Outlet Size	O.D.Ø12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
-30(-34)to 100(37)	1500(103)		
200(93)	1000(68)		
300(148)	800(55)		
400(204)	330(23)		

A	May.09.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV3-M12-T09-LL-316-LD		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Joint	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	304 S.S.
9	Handle Sleeve	PVC
10	Nut	304 S.S.
11	Spring Washer	304 S.S.
12	Gland	316 S.S./ASTM A479
13	Bearing	PTFE/ASTM D1710
14	Pin	304 S.S.

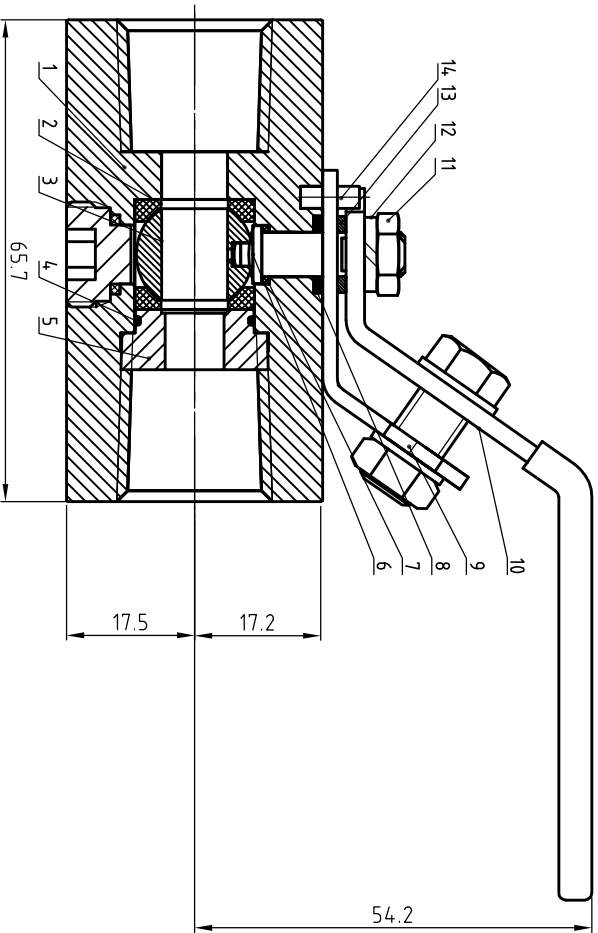
Technical Data:

Orifice Size	9 mm
Inlet Size	O.D. ϕ 12
Outlet Size	O.D. ϕ 12
Cv	6.4

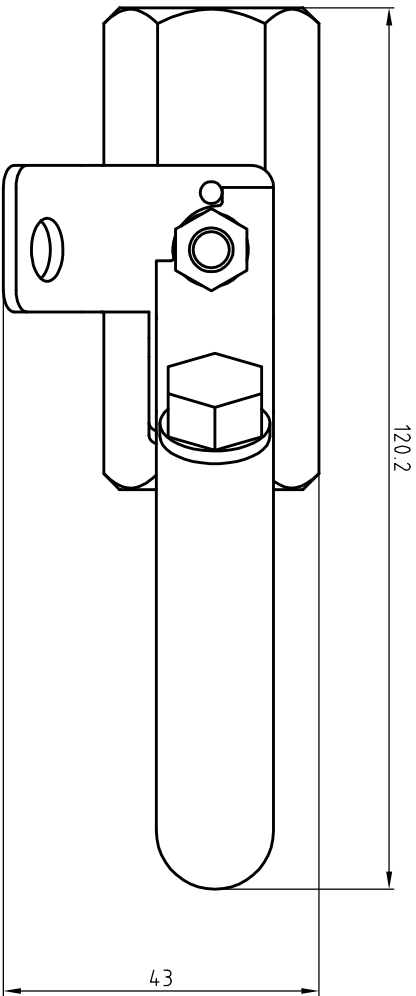
Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	1500 (103)		
200 (93)	1000 (68)		
300 (148)	800 (55)		
400 (204)	330 (23)		

A	Feb.22.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV3-M12-T09-RL-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	O-Ring	FKM
5	Plug	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Bearing	PTFE/ASTM D1710
8	Packing	PTFE/ASTM D1710
9	Lock	304 S.S.
10	Handle	304 S.S.
11	Nut	304 S.S.
12	Spring Washer	304 S.S.
13	Gland	316 S.S./ASTM A479
14	Pin	304 S.S.

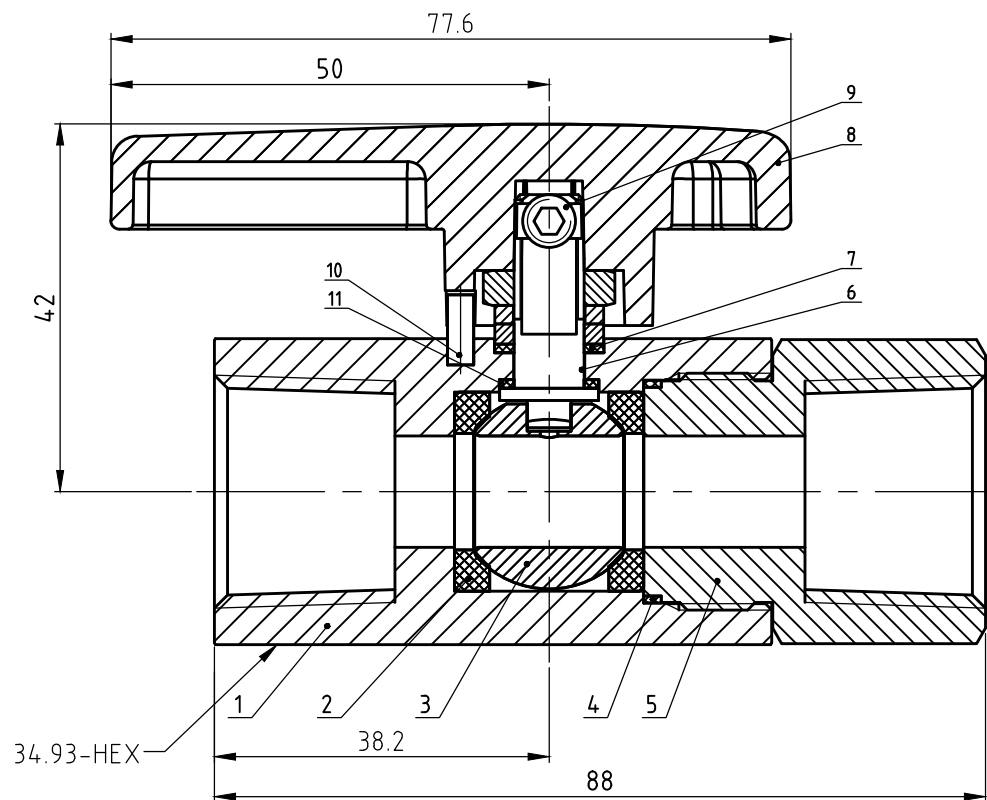


Technical Data:

Orifice Size	9mm				
Inlet Size	1/2 NPT (F)	Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
Outlet Size	1/2 NPT (F)	-30(-34) to 100(37)	2000 (137)		
		200(93)	1300 (89)		
		300(148)	700 (48)		
		400(204)	330 (23)		

Pressure vs. Temperature Ratings:

A	Apr.12.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK Title Model Ball Valve BV32-FNPT8-T09-LL-316-LD					
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Seal ring	PTFE/ASTM D1710
5	Seat Bolt	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	ADC12/JIS H5302
9	Nut	304 S.S.
10	Pin	304 S.S.
11	Bearing	PTFE/ASTM D1710

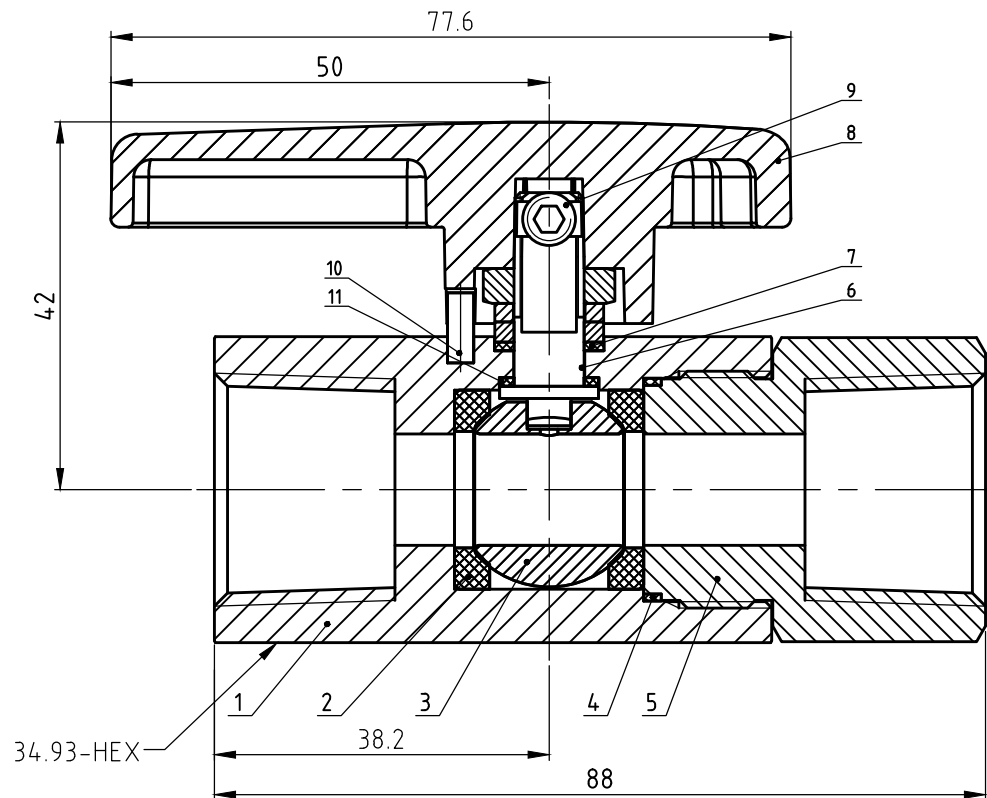
Technical Data:

Orifice Size	12.7mm
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)
-30(-34)to 100(37)	2000 (137)		
200(93)	1300 (89)		
300(148)	700 (48)		
400(204)	330 (23)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV32-FNPT12-T13-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Seal ring	PTFE/ASTM D1710
5	Seat Bolt	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	ADC12/JIS H5302
9	Nut	304 S.S.
10	Pin	304 S.S.
11	Bearing	PTFE/ASTM D1710

Note: 1、 Hydrogen sulfide environment for products.
Standard of material execution: NACE MR 0175

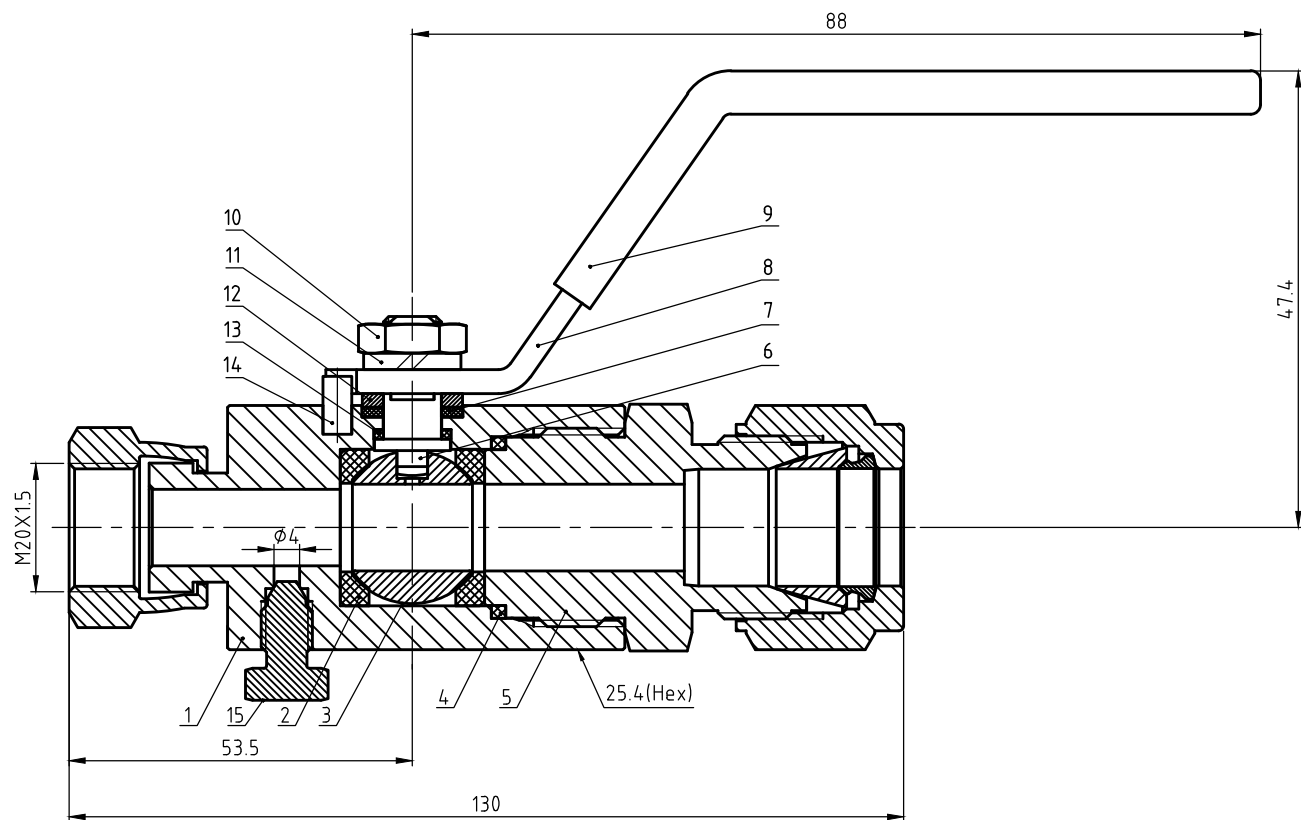
Technical Data:

Orifice Size	12.7mm
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)
-30(-34)to 100(37)	2000 (137)		
200(93)	1300 (89)		
300(148)	700 (48)		
400(204)	330 (23)		

A	Jul.26, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV32-FNPT12-T13-316-NACE		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	O-Ring	FKM
5	Joint	316 S.S./ASTM A479
6	Stem	316 S.S./ASTM A479
7	Packing	PTFE/ASTM D1710
8	Handle	304 S.S.
9	Handle Sleeve	PVC
10	Nut	304 S.S.
11	Spring Washer	304 S.S.
12	Gland	316 S.S./ASTM A479
13	Bearing	PTFE/ASTM D1710
14	Pin	304 S.S.
15	Plug	316 S.S./ASTM A479

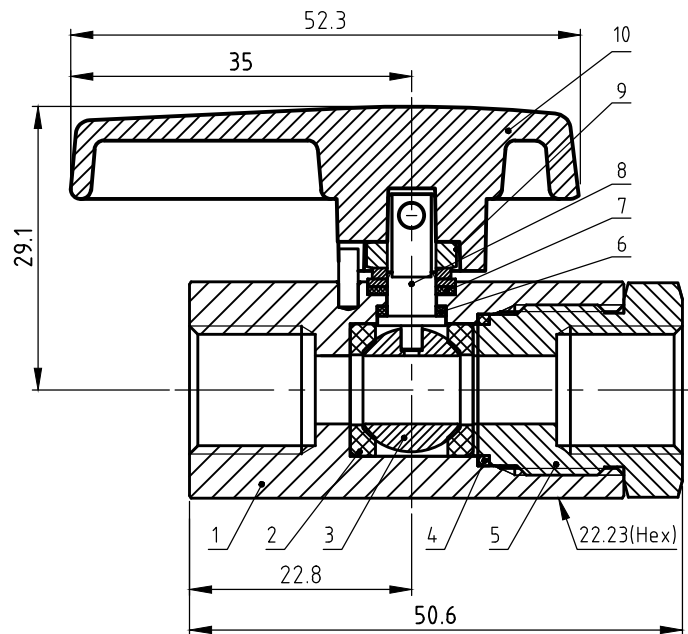
Technical Data:

Orifice Size	9 mm
Inlet Size	M20X1.5(F)
Outlet Size	O.D. ϕ 12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-30 (-34) to 100 (37)	2000 (137)		
200 (93)	1300 (89)		
300 (148)	700 (48)		
400 (204)	330 (23)		

A	Apr.12.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV32-SFMS20-M12-T09-LL-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PFA
8	Stem	316 S.S./ASTM A479
9	Nut	304 S.S.
10	Handle	304 S.S.

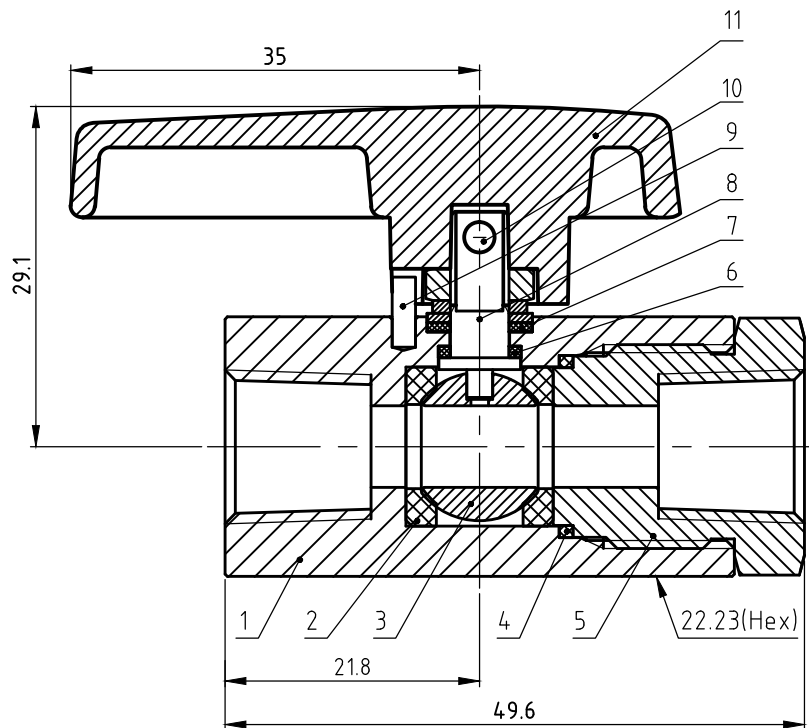
Technical Data:

Orifice Size	7.1 mm
Inlet Size	G1/4(F)
Outlet Size	G1/4(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60)to 100 (37)	2000 (137)		
200 (93)	1300 (89)		
300 (148)	700 (48)		
400 (204)	330 (23)		

A	May.20, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV32-FBP4-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Seat	PFA
3	Ball	316 S.S./ASTM A479
4	Sealing Ring	PTFE/ASTM D1710
5	Connector	316 S.S./ASTM A479
6	Bearing	PTFE/ASTM D1710
7	Packing	PTFE/ASTM D1710
8	Stem	316 S.S./ASTM A479
9	Pin	304 S.S.
10	Nut	Galvanized steel
11	Handle	ADC12/JIS H5302

Technical Data:

Orifice Size	7.1 mm
Inlet Size	1/4 BSPT(F)
Outlet Size	1/4 BSPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	2000 (137)		
200 (93)	1300 (89)		
300 (148)	700 (48)		
400 (204)	330 (23)		

A	Apr.12.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV32-FBT4-T07-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		