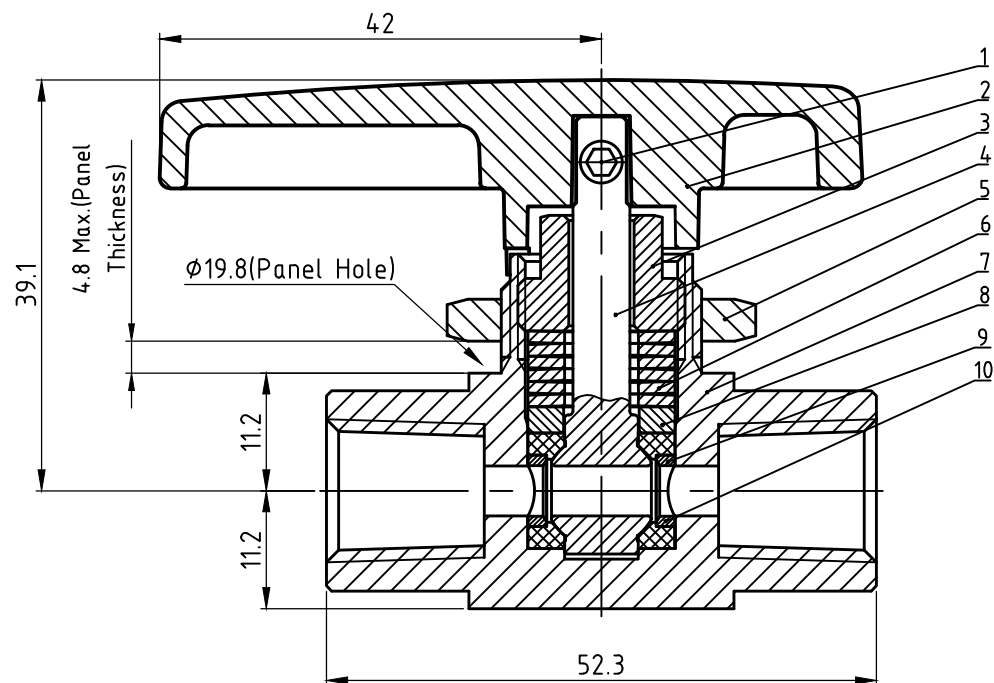




No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Packing Nut	630 S.S./ASTM B783
4	Stem	316 S.S./ASTM A479
5	Panel Nut	630 S.S./ASTM B783
6	Spring	631 S.S./ASTM A693
7	Gland	316 S.S./ASTM A479
8	Body	316 S.S./ASTM A182
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

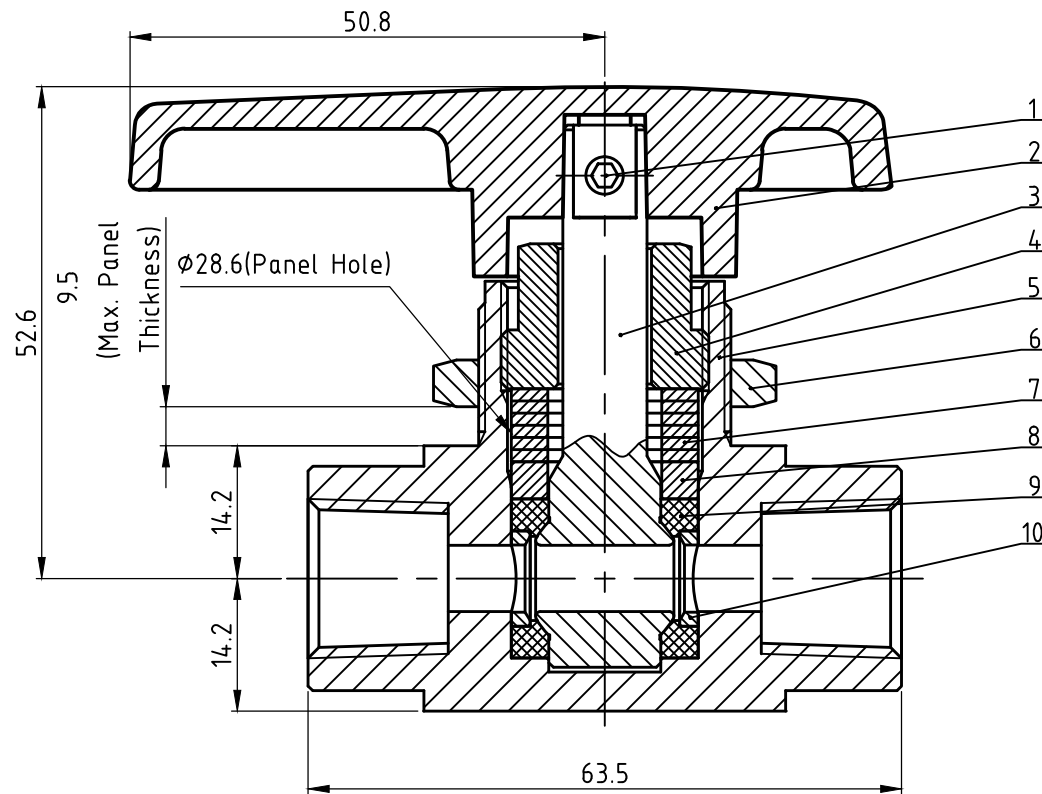
Technical Data:

Orifice Size	4.8mm
Inlet Size	1/4 NPT (F)
Outlet Size	1/4 NPT (F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	Apr.02,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT4-T05-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316.S.S/ASTM A479
4	Packing Nut	316.S.S/ASTM A479
5	Body	316.S.S/ASTM A479
6	Panel Nut	316.S.S/ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316.S.S/ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316.S.S/ASTM A479

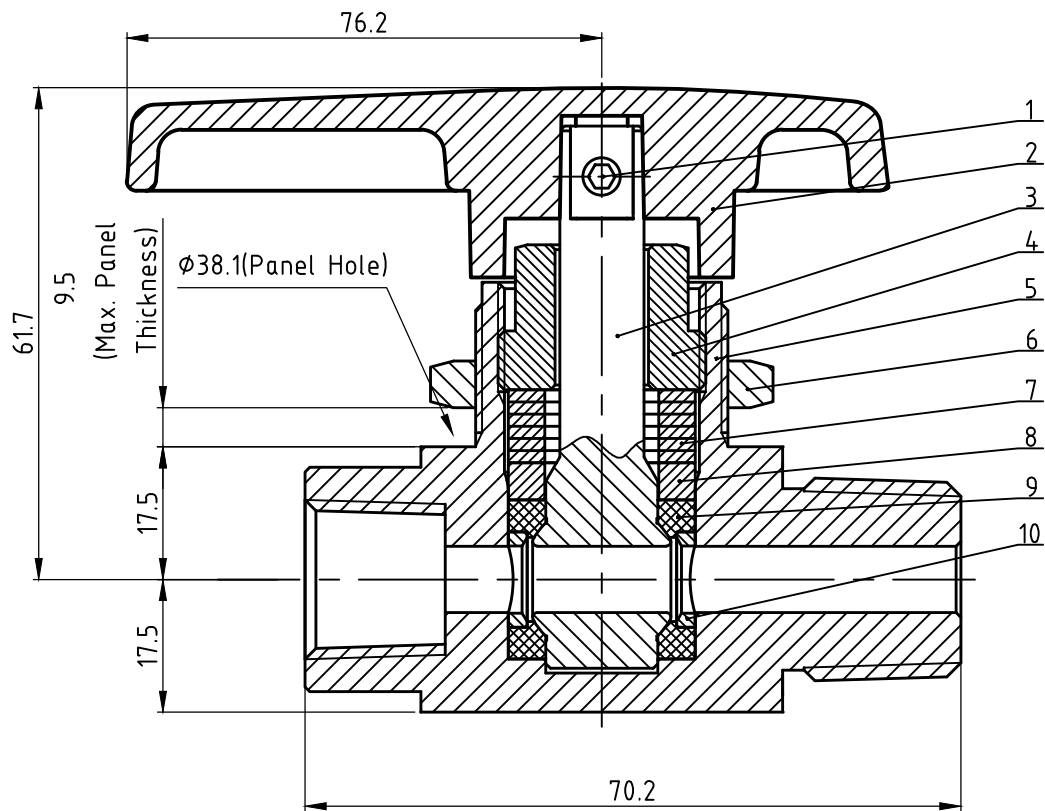
Technical Data:

Orifice Size	7.1mm
Inlet Size	3/8 NPT(F)
Outlet Size	3/8 NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Apr.02,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT6-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	N10276/ASTM B574
4	Packing Nut	N10276/ASTM B574
5	Body	N10276/ASTM B564
6	Panel Nut	630 S.S./ASTM B783
7	Spring	631 S.S./ASTM A693
8	Gland	N10276/ASTM B574
9	Seat	TFM1600
10	Seat Retainer	N10276/ASTM B574

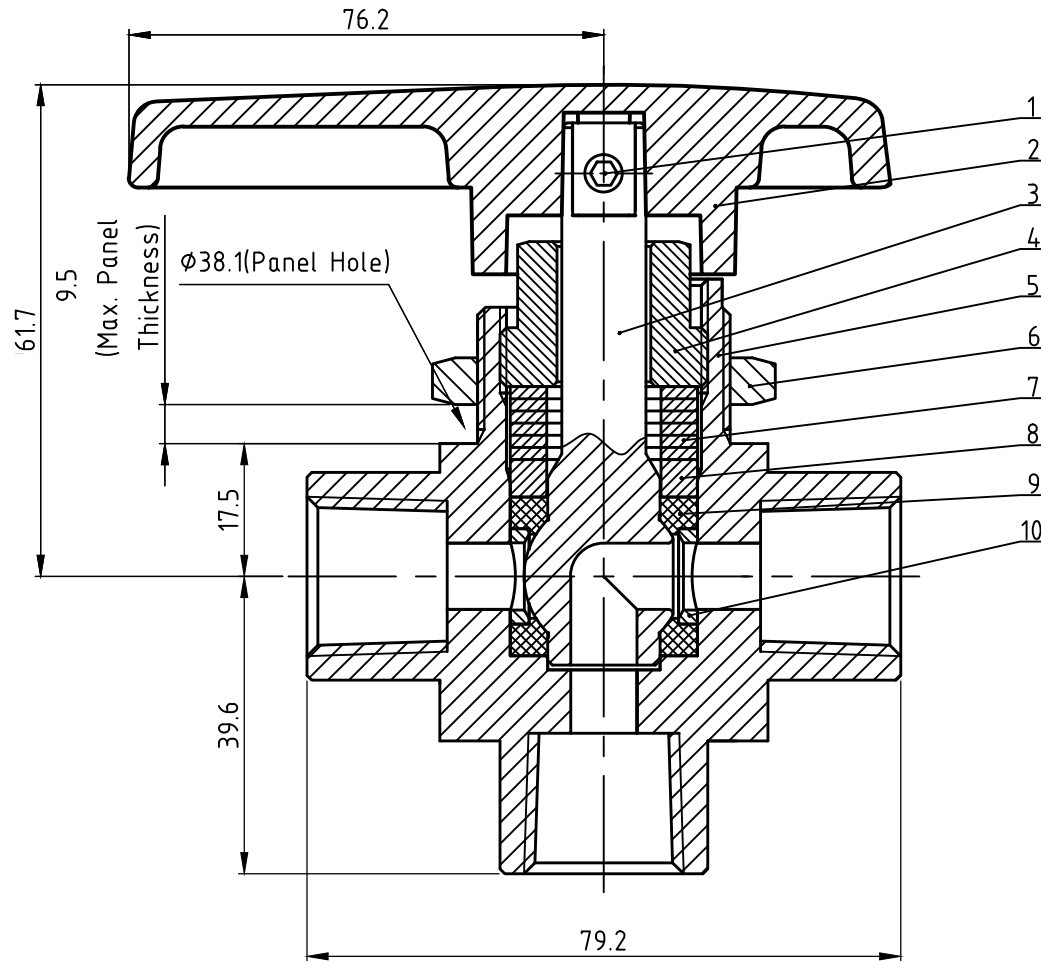
Technical Data:

Orifice Size	10.3mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT
Cv	6.3

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 150 (65)	2500 (172)		

A	Mar.20,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT8-NPT8-T10-A276-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316.S.S/ASTM A479
4	Packing Nut	316.S.S/ASTM A479
5	Body	316.S.S/ASTM A479
6	Panel Nut	316.S.S/ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316.S.S/ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316.S.S/ASTM A479

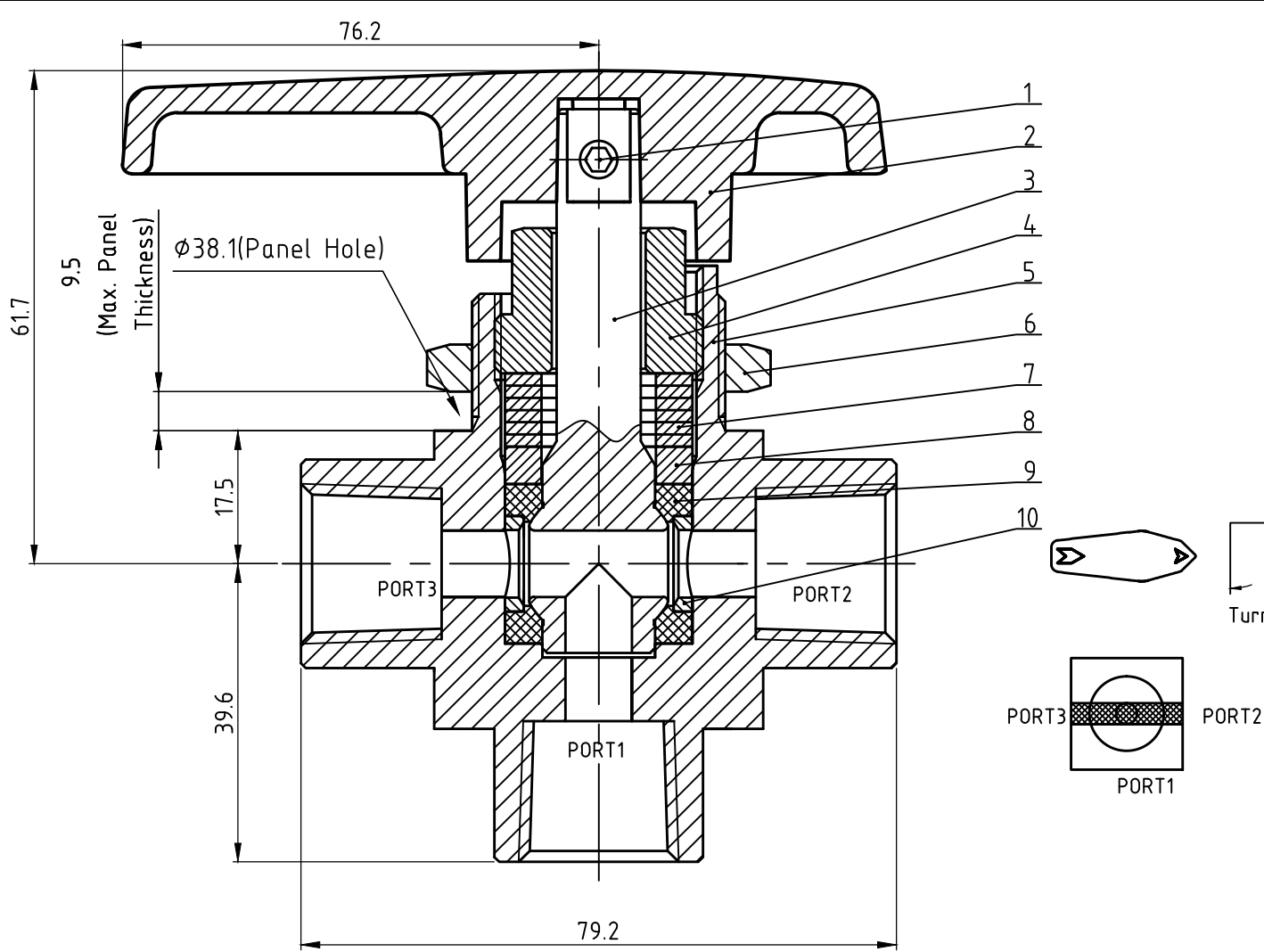
Technical Data:

Orifice Size	10.3mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)

Pressure vs. Temperature Ratings:

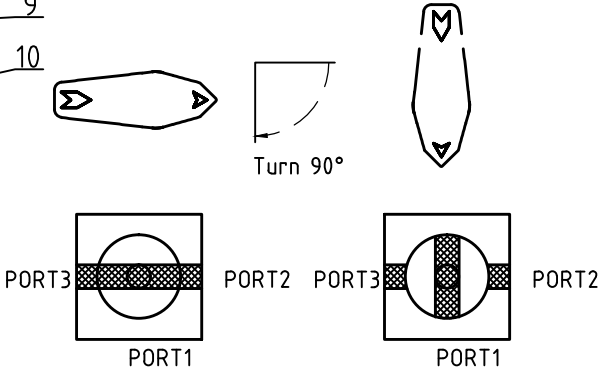
Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	1500 (103)		

A	Apr.02,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT8-T10-3-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316.S.S/ASTM F1387
4	Packing Nut	316.S.S/ASTM F1387
5	Body	316.S.S/ASTM F1387
6	Panel Nut	316.S.S/ASTM F1387
7	Spring	S17700/ASTM A693
8	Gland	316.S.S/ASTM F1387
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316.S.S/ASTM F1387

Handle and runner form



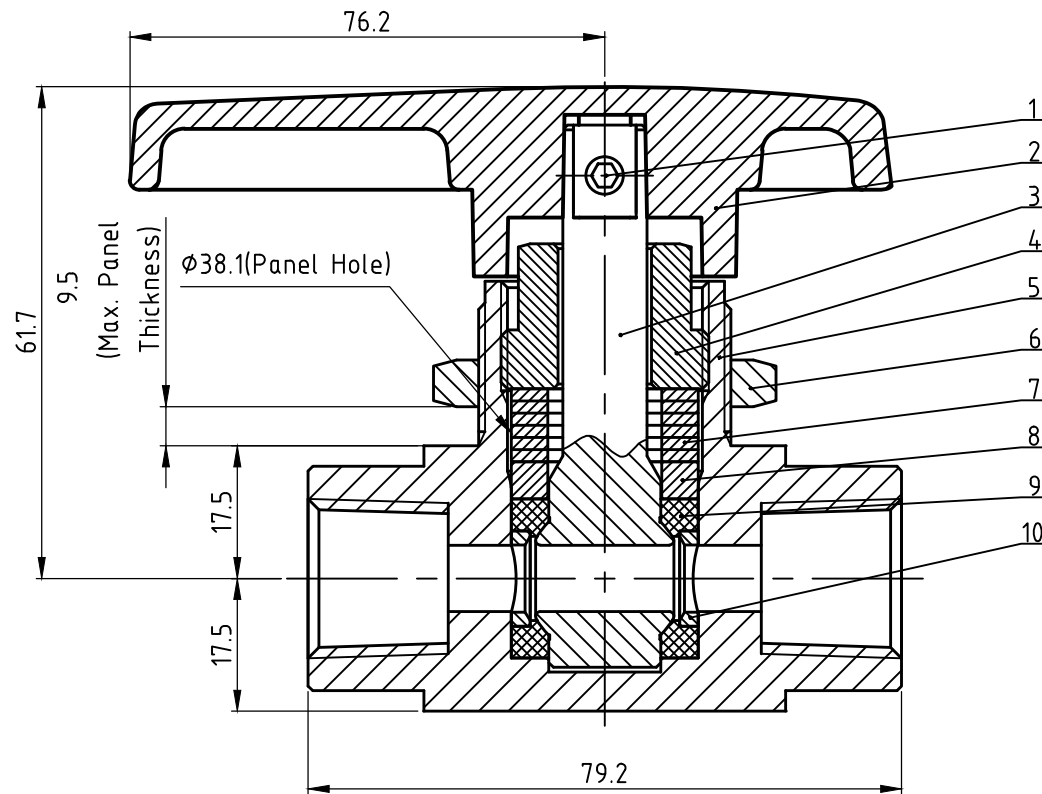
Technical Data:

Orifice Size	10.3mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Design Pressure	1500psig(103bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	1500(103)		

A	Feb.22,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT8-T10-3H-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A479
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

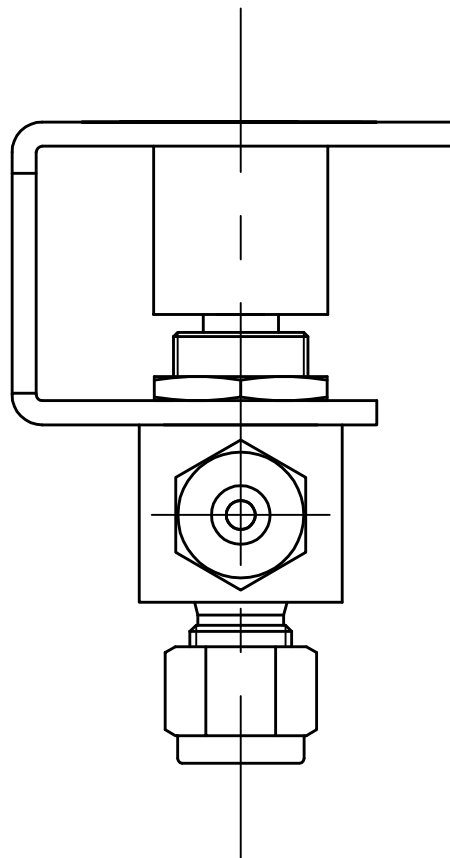
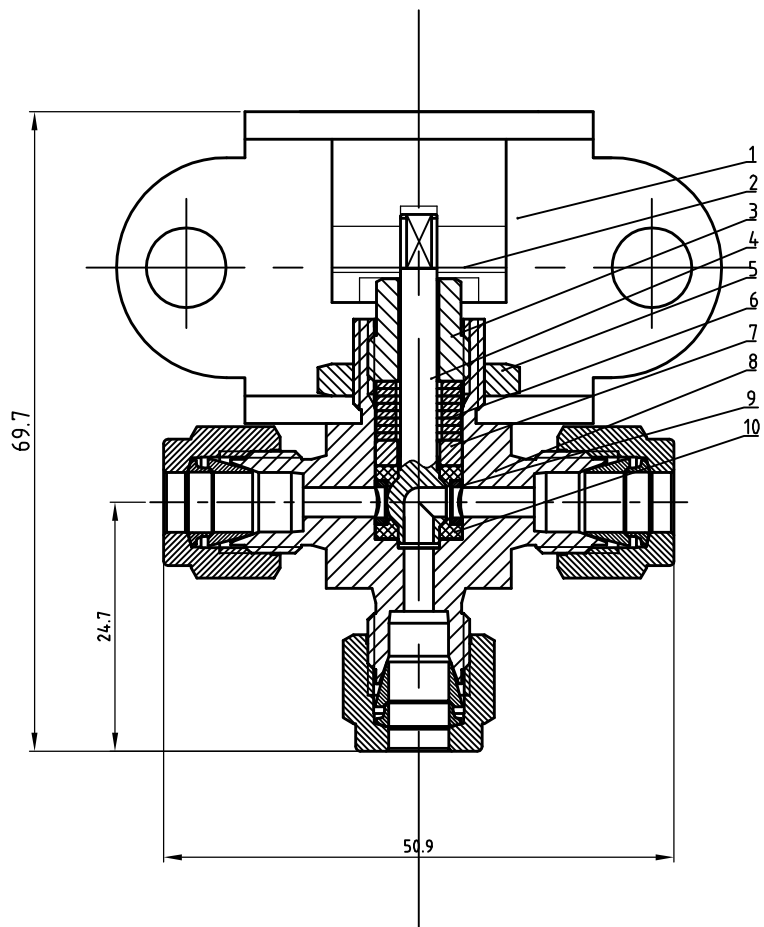
Technical Data:

Orifice Size	10.3mm
Inlet Size	1/2 NPT(F)
Outlet Size	1/2 NPT(F)
Cv	6.30

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Feb.08,2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT8-T10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Fixed plate	304.S.S
2	Stem adapter	316 S.S./ASTM A479
3	Packing Nut	630 S.S./ASTM B783
4	Stem	316 S.S./ASTM A479
5	Panel Nut	630 S.S./ASTM B783
6	Spring	631 S.S./ASTM A693
7	Gland	316 S.S./ASTM A479
8	Body	316 S.S./ASTM A182
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316L S.S./ASTM A479

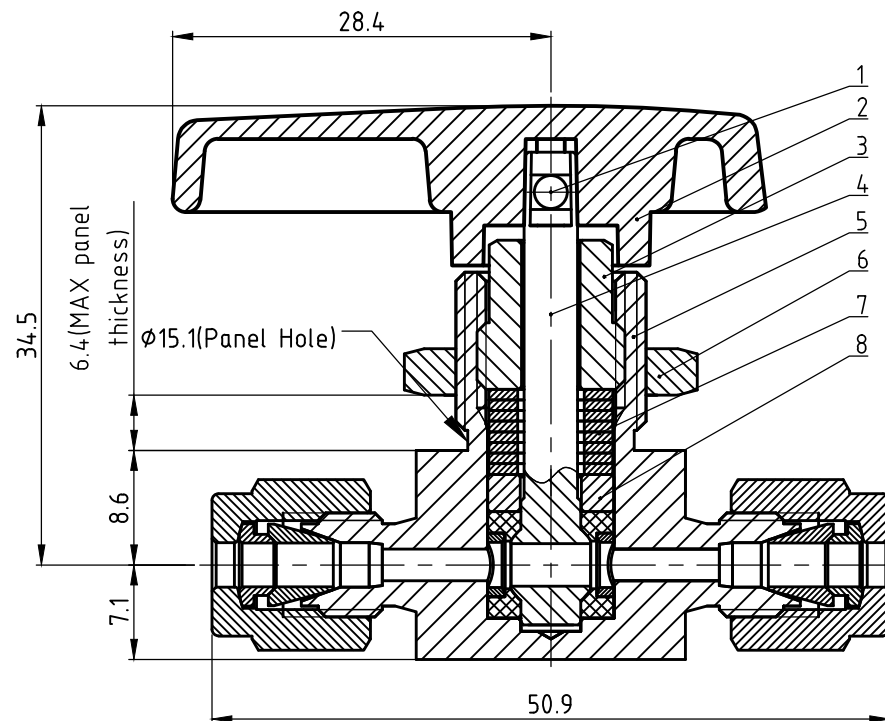
Technical Data:

Orifice Size	2.4
Inlet Size	O.D. $\phi 1/8''$
Outlet Size	O.D. $\phi 1/8''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	2500(172)		
200 (93)	2500(172)		
250 (121)	2500(172)		
300 (148)	2500(172)		

A	Dec.12,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-F2-T02-3-316-GMA01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Seat	PTFE/ASTM D1710

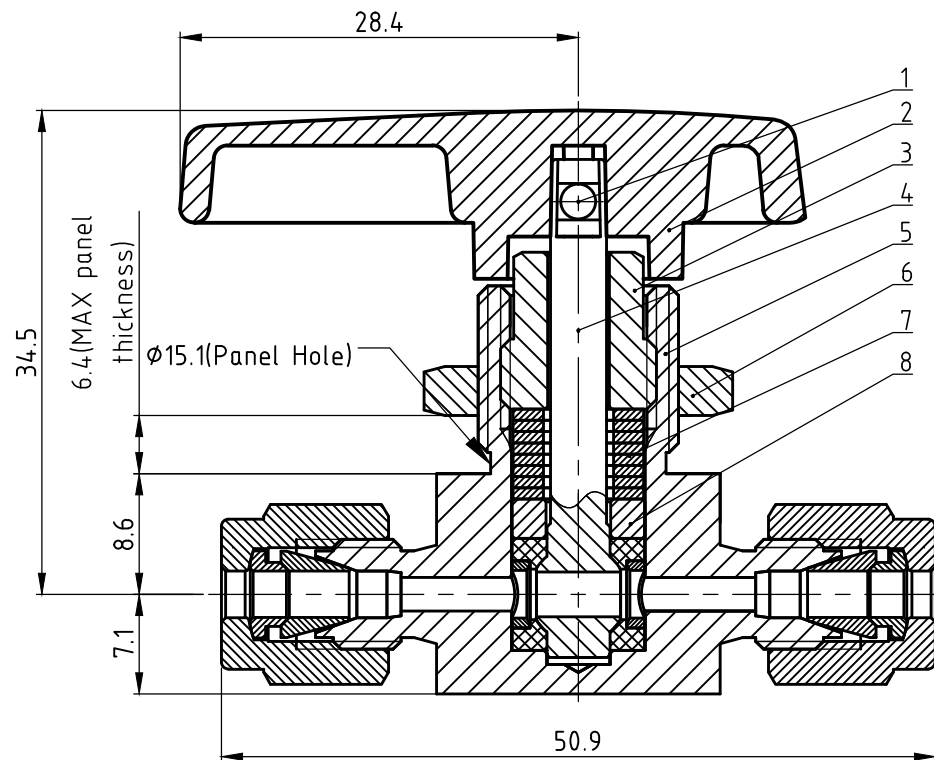
Technical Data:

Orifice Size	2.4mm
Inlet Size	O.D. $\phi 1/8''$
Outlet Size	O.D. $\phi 1/8''$
Cv	0.2

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	2500 (172)		
200 (93)	2500 (172)		
250 (121)	2500 (172)		
300 (148)	2500 (172)		

A	Nov.17, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F2-T02-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Seat	TFM1600

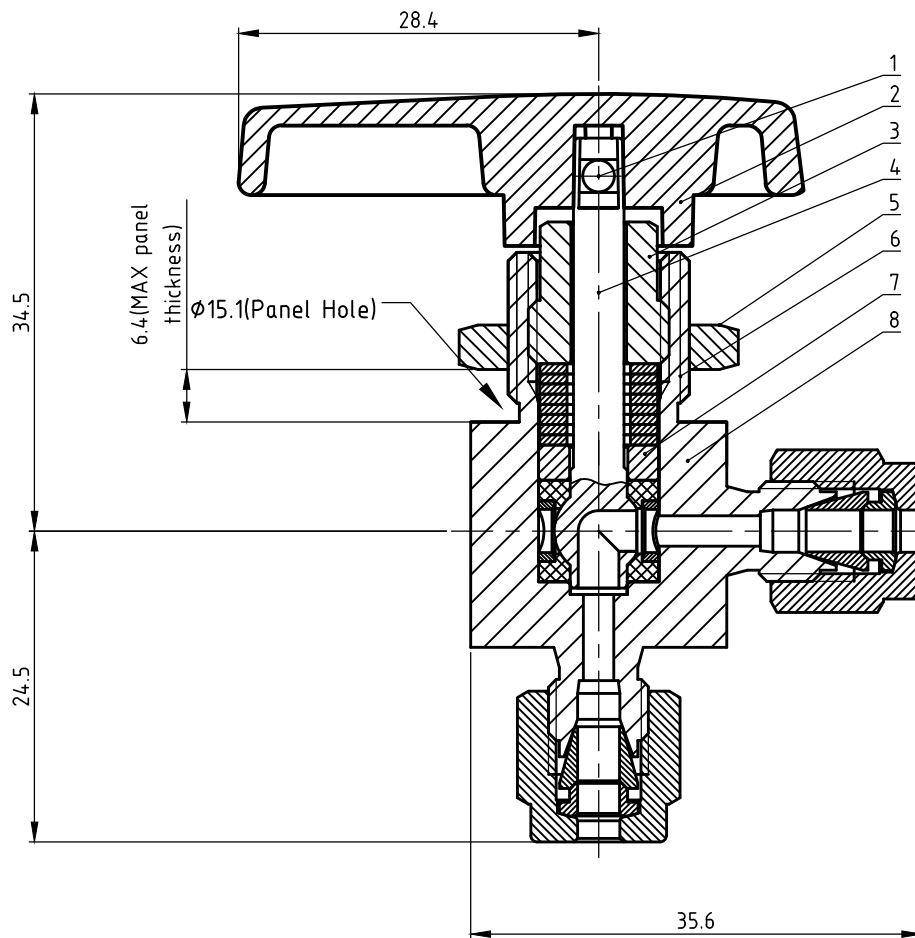
Technical Data:

Orifice Size	2.4mm
Inlet Size	O.D. 1/8"
Outlet Size	O.D. 1/8"

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 300 (148)	2500 (172)		

A	Jul.22, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F2-T02-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	630 S.S./ASTM B783
6	Spring	631 S.S./ASTM A693
7	Seat	PTFE/ASTM D1710
8	Body	316 S.S./ASTM A182

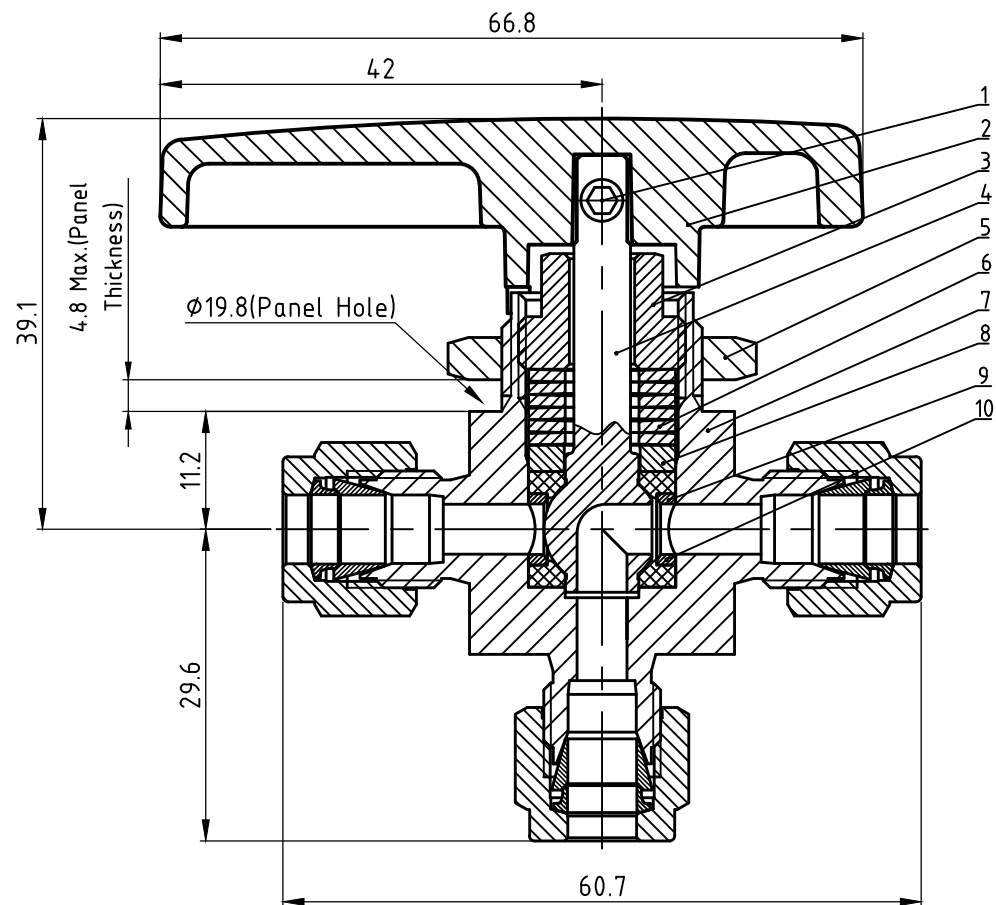
Technical Data:

Orifice Size	2.4mm
Inlet Size	O.D. $\phi 1/8''$
Outlet Size	O.D. $\phi 1/8''$

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	2500 (172)		
200 (93)	2500 (172)		
250 (121)	2500 (172)		
300 (148)	2500 (172)		

A	Jan.16, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-F2-T02-A1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Packing Nut	630 S.S./ASTM B783
4	Stem	316 S.S./ASTM A479
5	Panel Nut	630 S.S./ASTM B783
6	Spring	631 S.S./ASTM A693
7	Gland	316 S.S./ASTM A479
8	Body	316 S.S./ASTM A182
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	630 S.S./ASTM B783

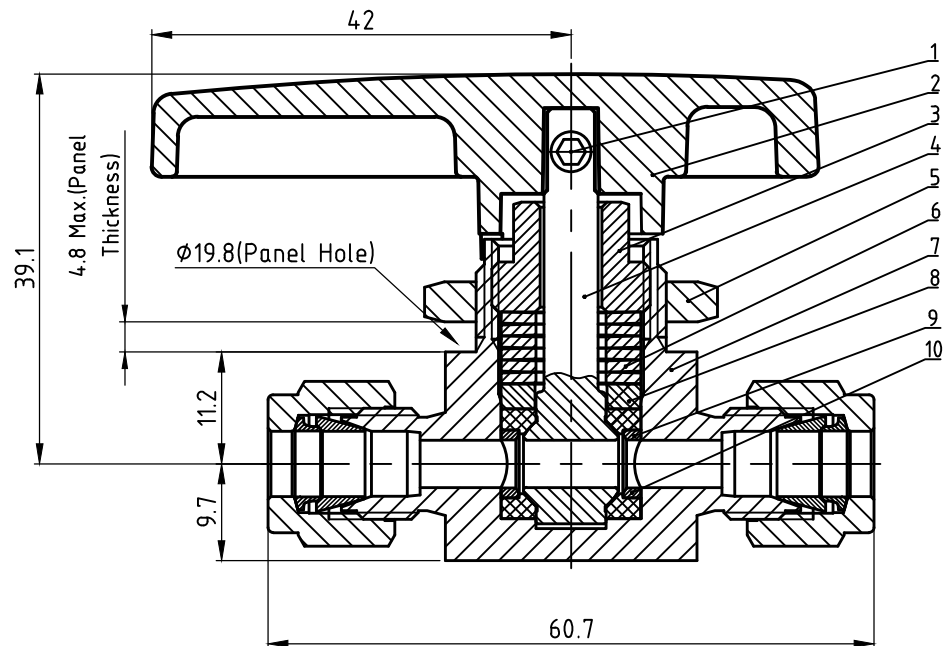
Technical Data:

Orifice Size	4.8
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)
-65 (-53) to 150 (65)	2500(172)		
200 (93)	2500(172)		
250 (121)	2500(172)		
300 (148)	2500(172)		

A	Mar.07,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-F4-T05-3-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Packing Nut	630 S.S./ASTM B783
4	Stem	316 S.S./ASTM A479
5	Panel Nut	630 S.S./ASTM B783
6	Spring	S17700/ASTM A693
7	Gland	316 S.S./ASTM A479
8	Body	316 S.S./ASTM A182
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

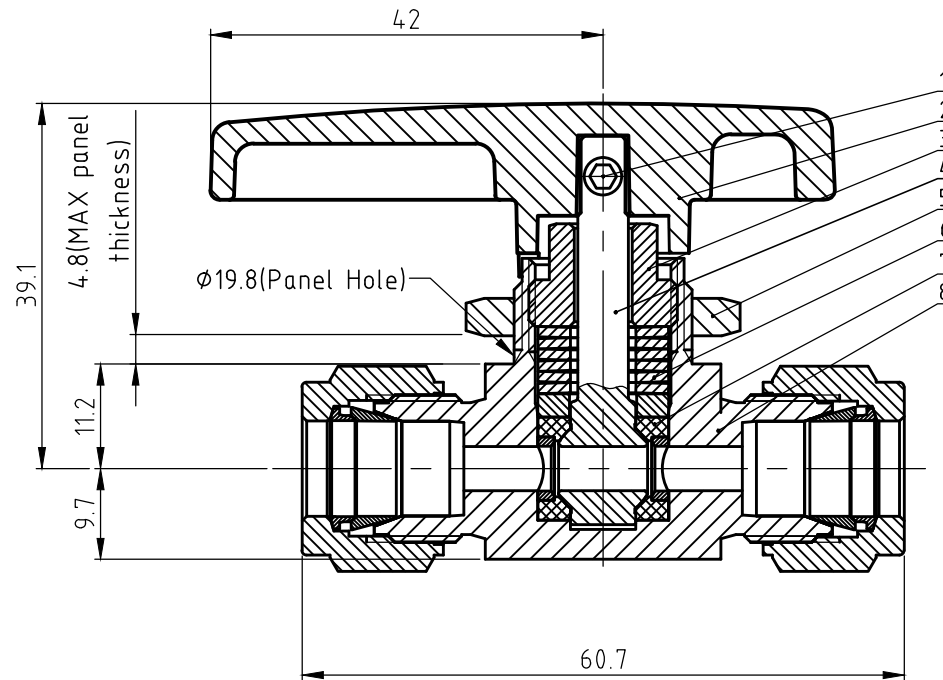
Technical Data:

Orifice Size	4.8
Inlet Size	O.D.Ø1/4"
Outlet Size	O.D.Ø1/4"
Cv	1.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	Jun.28,2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-F4-T05-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Seat	TFM1600
8	Body	316 S.S./ASTM A182

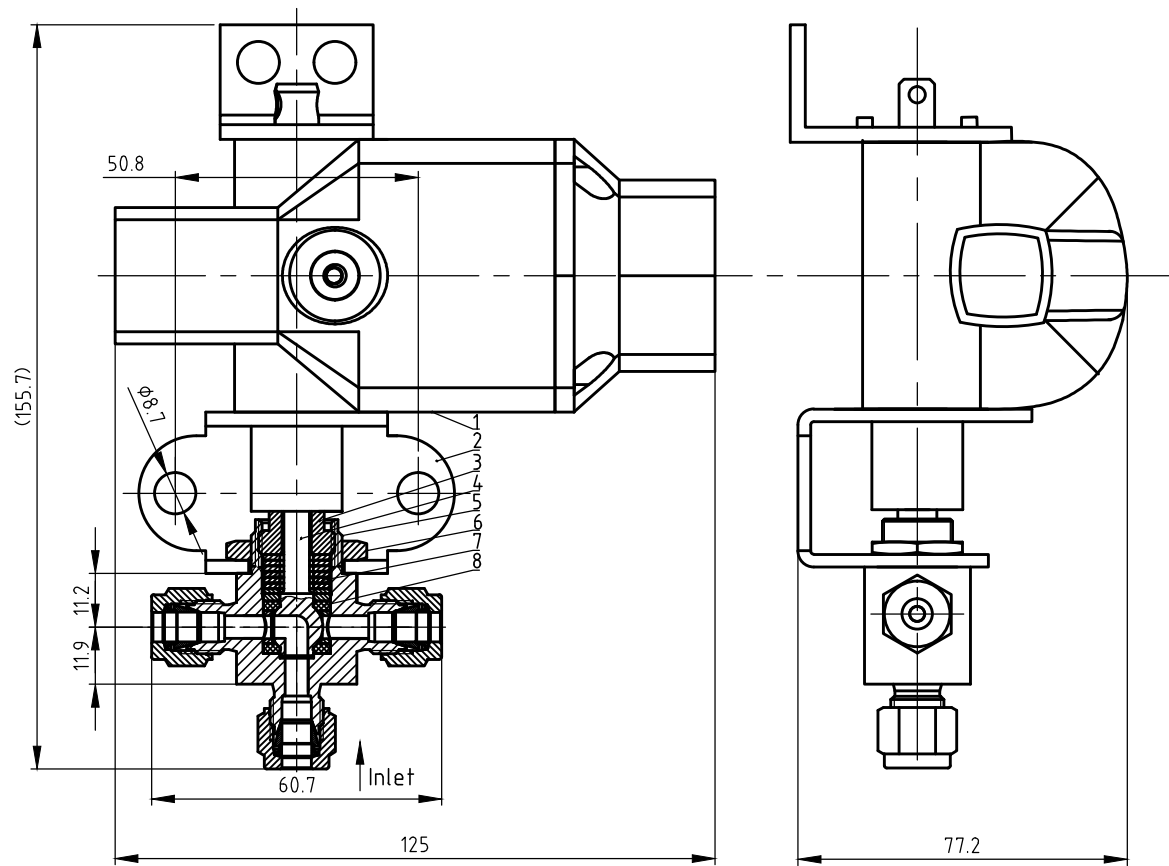
Technical Data:

Orifice Size	4.8mm
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 300 (148)	3000(206)		

A	Jul.22, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F4-T05-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Pneumatic Actuators	
2	Fixed plate	304.S.S
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Seat	PTFE/ASTM D1710

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

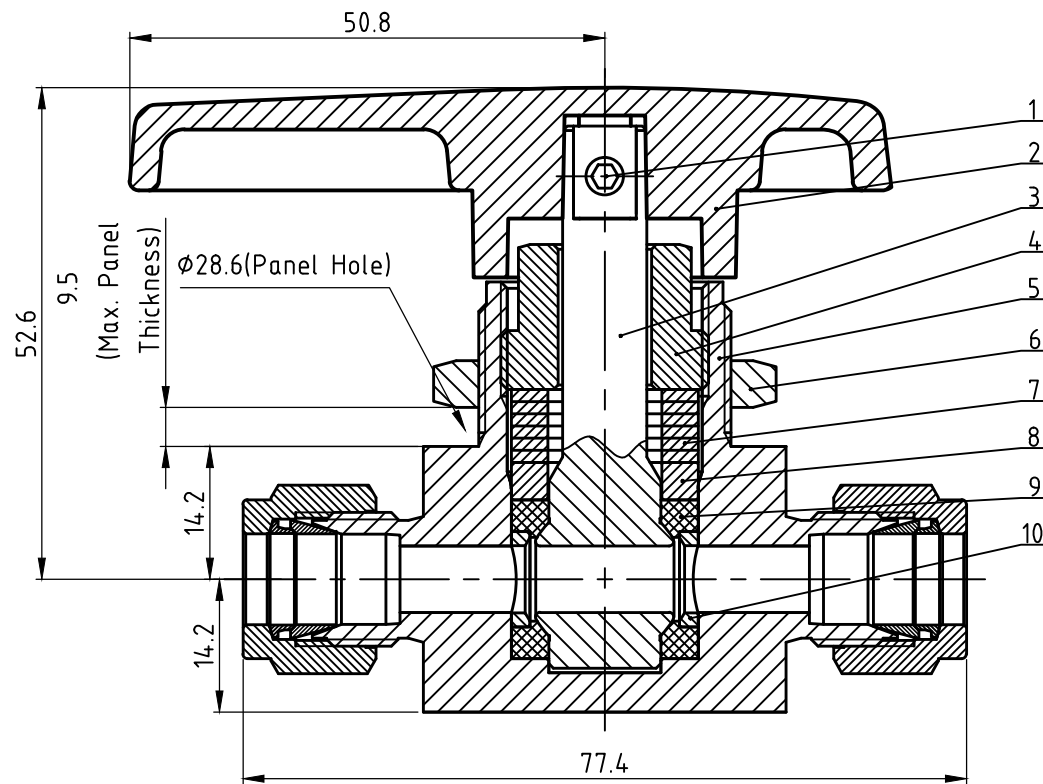
Technical Data:

Orifice Size	4.75mm
Inlet Size	O.D. $\phi 1/4''$
Outlet Size	O.D. $\phi 1/4''$
Actuator type	Spring return
Actuator drive air pressure	4-7bar
Actuator air source interface	1/8NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 300 (148)	2500(172)		

A	Jan.09, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F4-T05-CPSC3-316-NACE		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316.S.S/ASTM A479
4	Packing Nut	316.S.S/ASTM A479
5	Body	316.S.S/ASTM A479
6	Panel Nut	316.S.S/ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316.S.S/ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316.S.S/ASTM A479

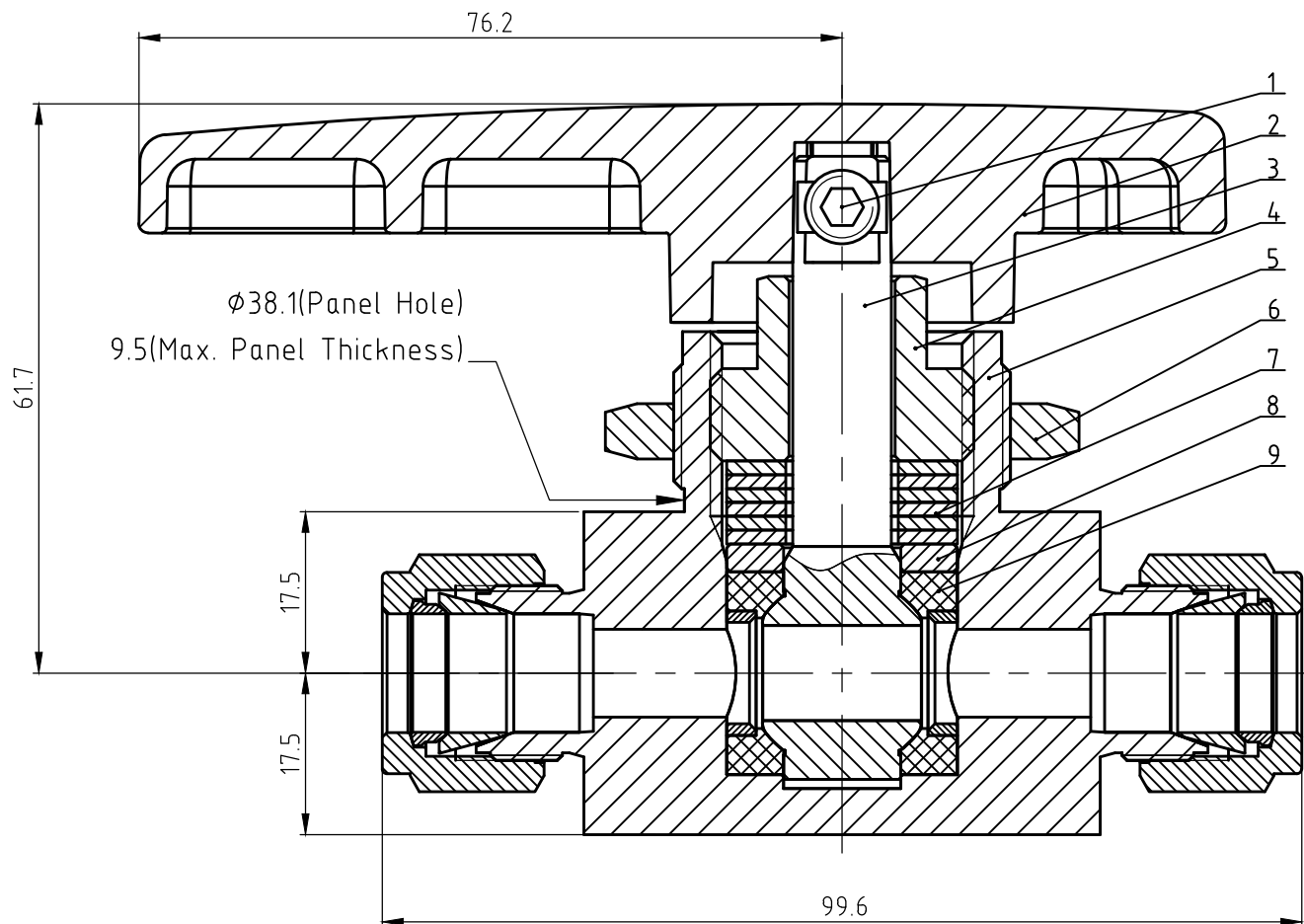
Technical Data:

Orifice Size	7.1mm
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)
50 (10) to 150 (65)	2500 (172)		

A	Apr.02,2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-F6-T07-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710

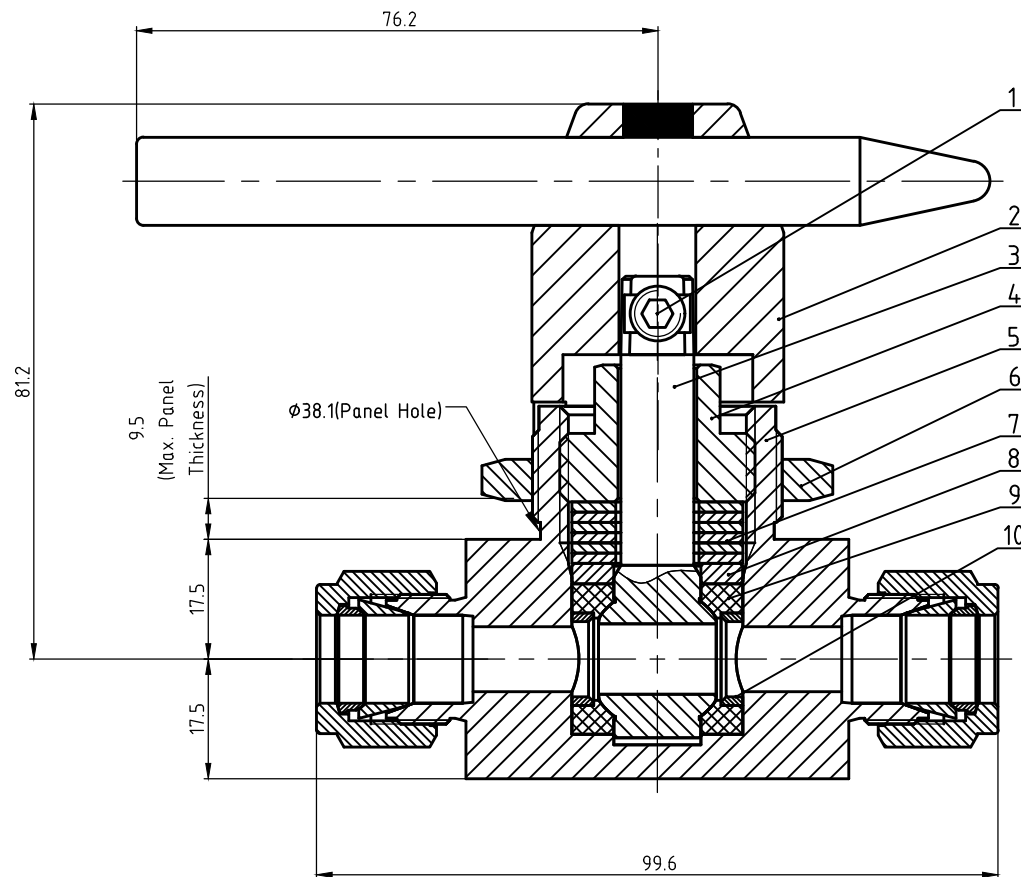
Technical Data:

Orifice Size	10.3
Inlet Size	O.D. $\phi 1/2''$
Outlet Size	O.D. $\phi 1/2''$
Cv	12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Nov.08, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-F8-T10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

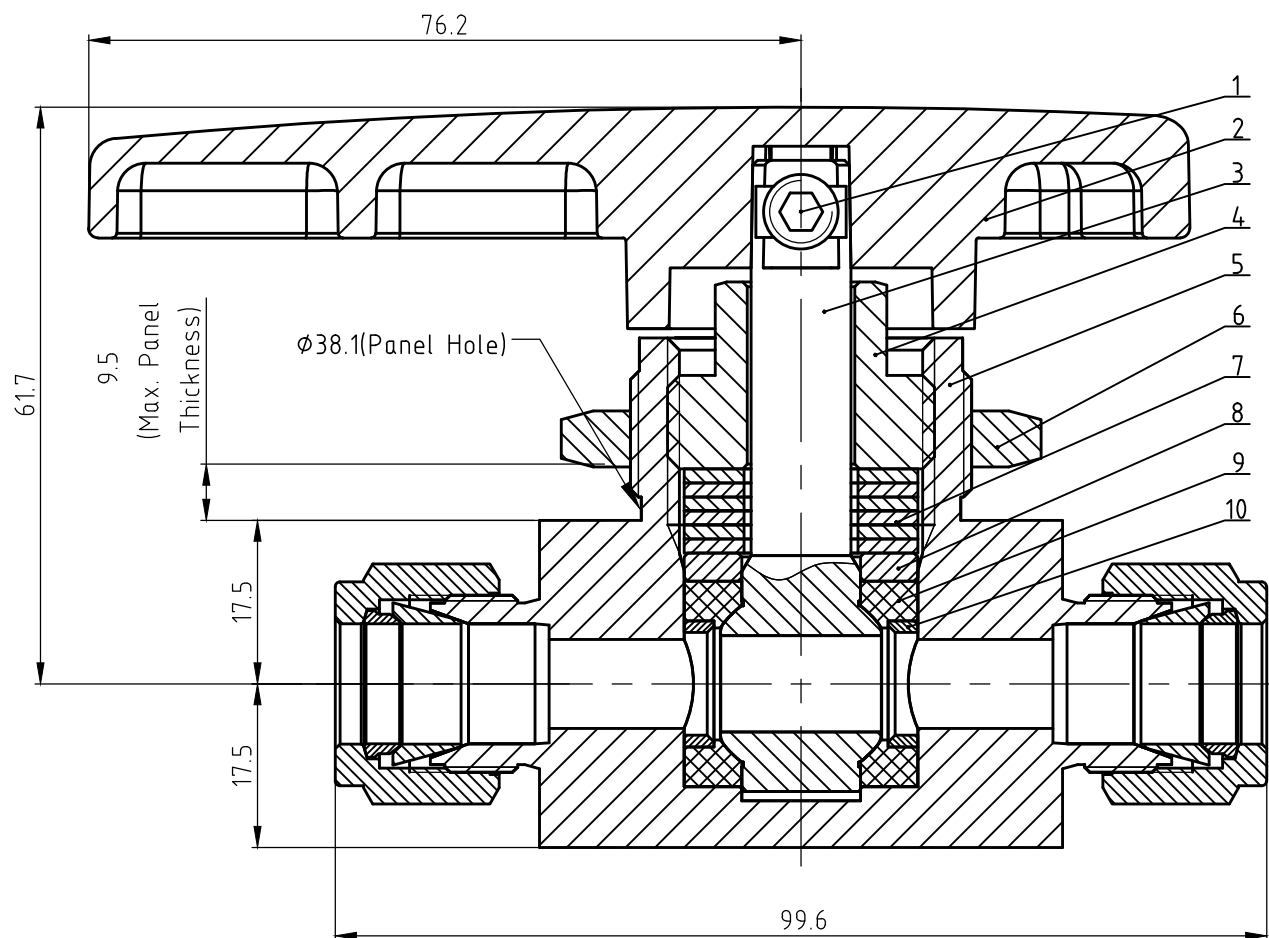
Technical Data:

Orifice Size	10.3
Inlet Size	O.D. $\phi 1/2''$
Outlet Size	O.D. $\phi 1/2''$
Cv	12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	1500 (103)		

A	Sep.10, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F8-T10-SH-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

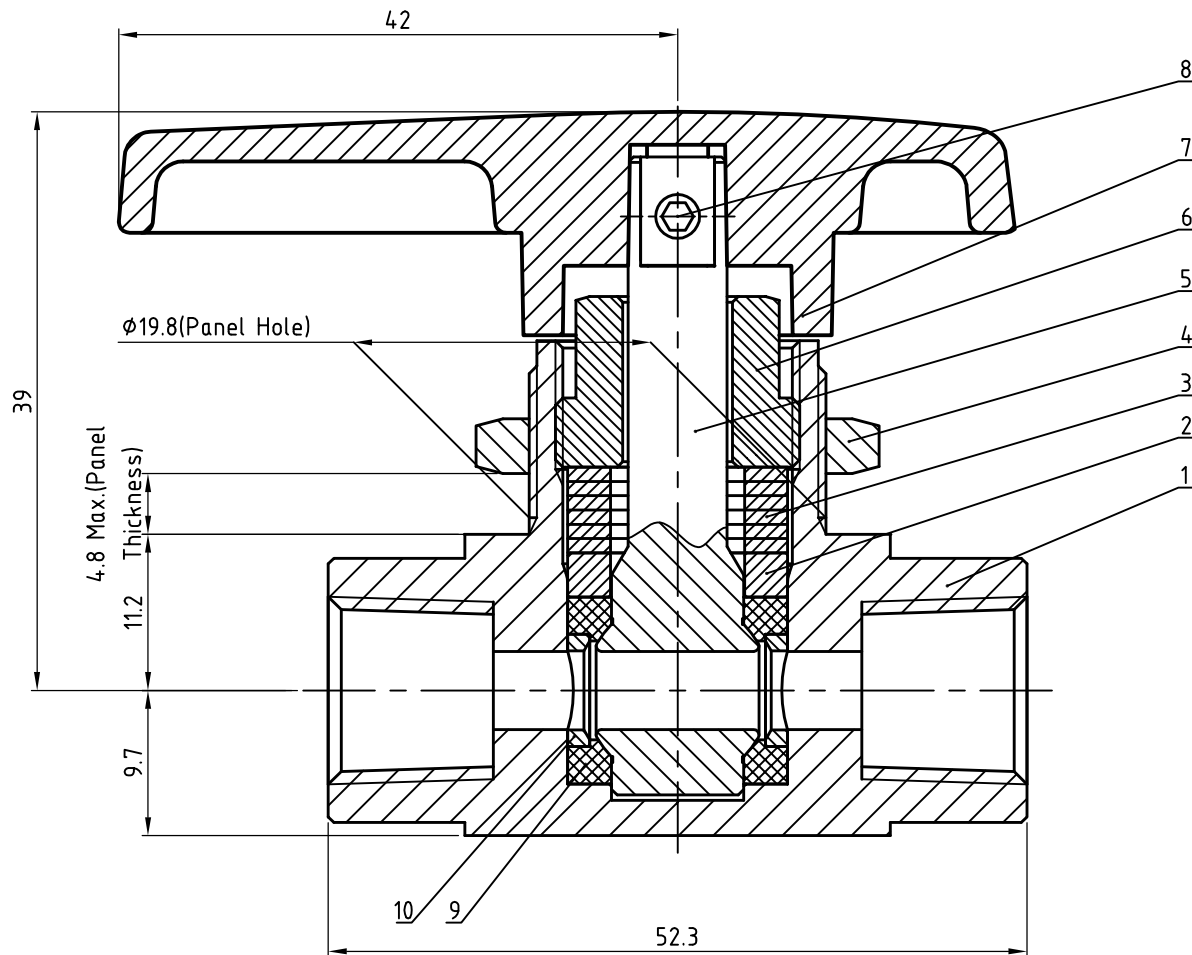
Technical Data:

Inlet Size	O.D. $\phi 3/4''$
Outlet Size	O.D. $\phi 3/4''$
Orifice Size	10.3
Cv	12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Apr.02, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-F12-T10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A182
2	Gland	316 S.S./ASTM A479
3	Spring	631 S.S./ASTM A693
4	Panel Nut	630 S.S./ASTM B783
5	Stem	316 S.S./ASTM A479
6	Packing Nut	630 S.S./ASTM B783
7	Handle	ADC12/JIS H5302
8	Screw	304 S.S.
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

Technical Data:

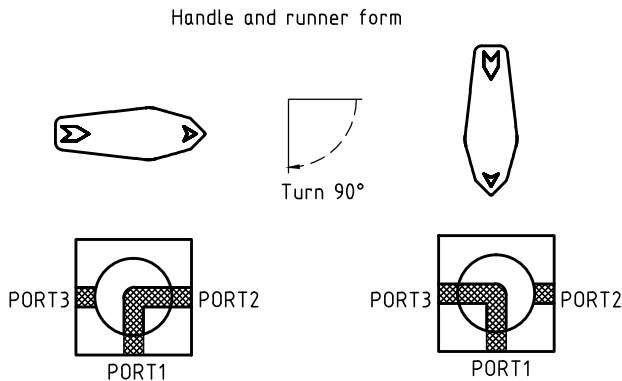
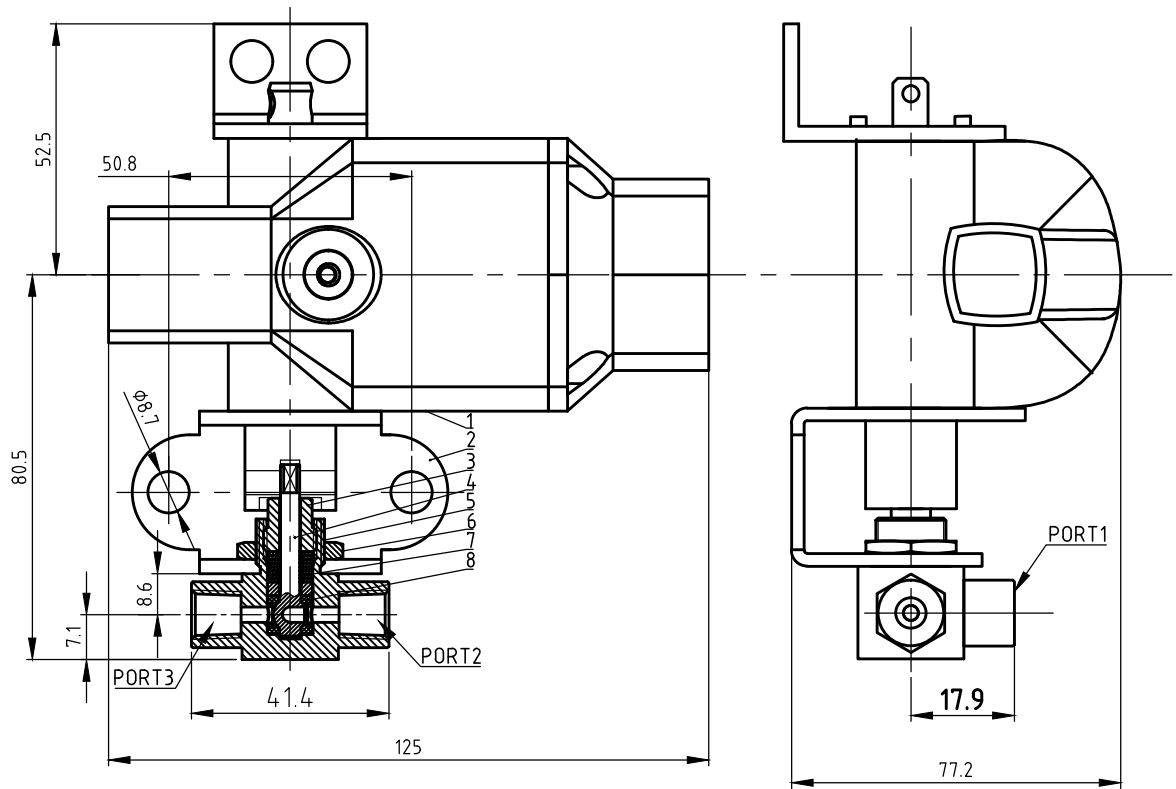
Orifice Size	4.8
Inlet Size	1/4 BSPT (F)
Outlet Size	1/4 BSPT (F)
Cv	1.2

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	Mar.13, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-FBT4-T05-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

No.	Component	Material Grade
1	Pneumatic Actuators	
2	Fixed plate	304.S.S
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Seat	PTFE/ASTM D1710



Technical Data:

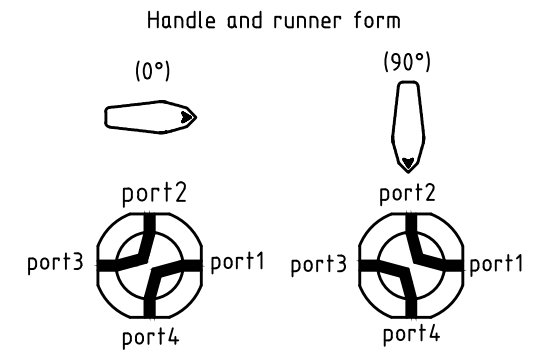
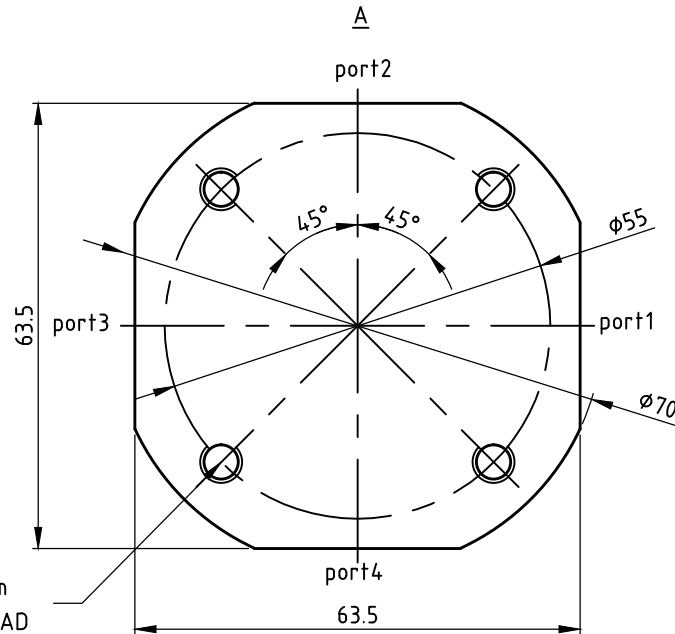
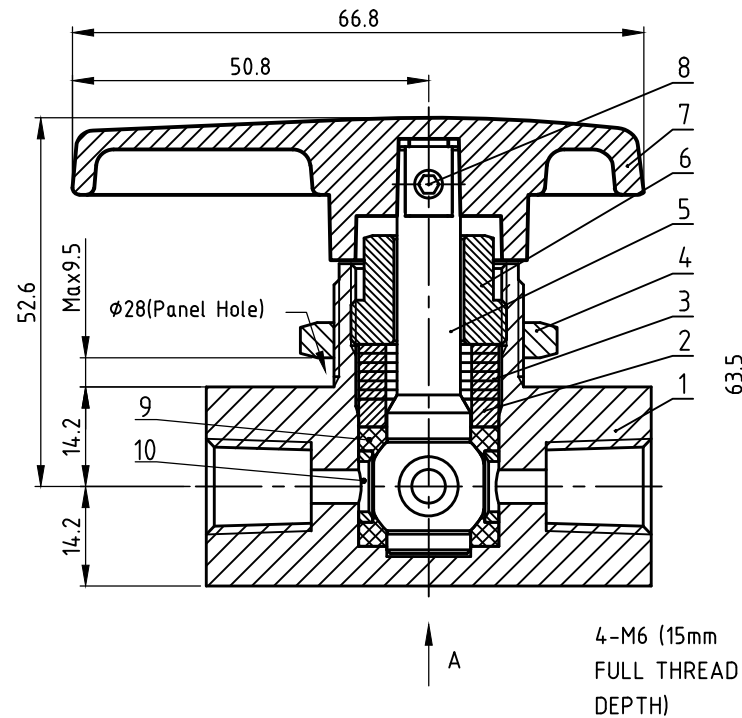
Orifice Size	3.2mm
Port Size	1/8NPT(F)
Actuator type	Spring return
Valve position	Normally Close
Actuator drive air pressure	4-7bar
Actuator air source interface	1/8NPT(F)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 300 (148)	1500(103)		

A	Jan.27, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-FNPT2-T03-CPSC3L-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	Gland	316 S.S./ASTM A479
3	Spring	631 S.S./ASTM A693
4	Panel Nut	630 S.S./ASTM B783
5	Stem	316 S.S./ASTM A479
6	Packing Nut	316 S.S./ASTM A479
7	Handle	ADC12/JIS H5302
8	Screw	304 S.S.
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479



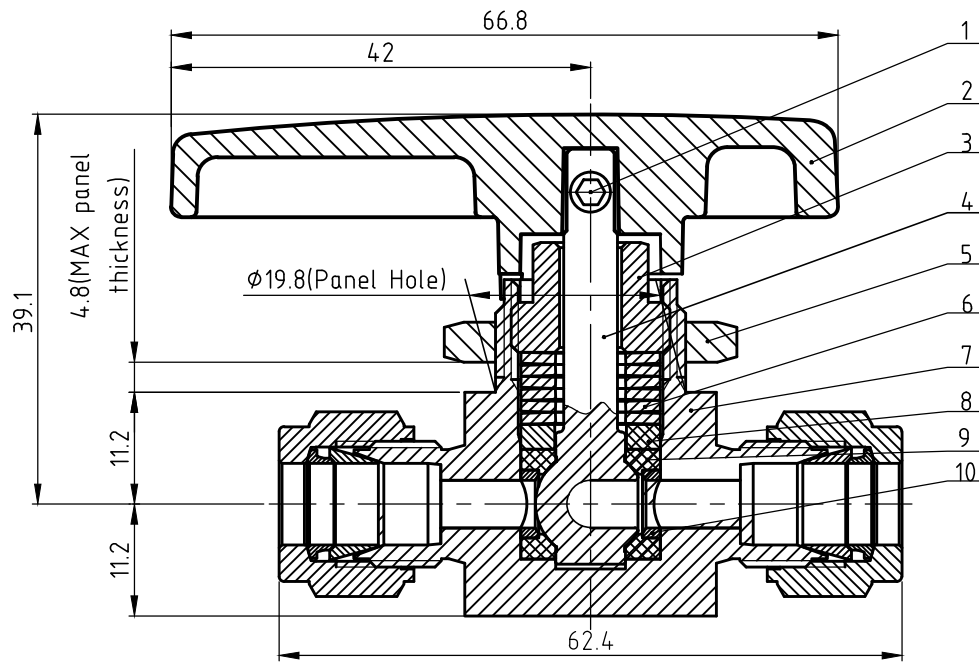
Technical Data:

Orifice Size	4.8mm
Port 1~4 Type	1/4 NPT(F)

Pressure vs. Temperature Ratings:

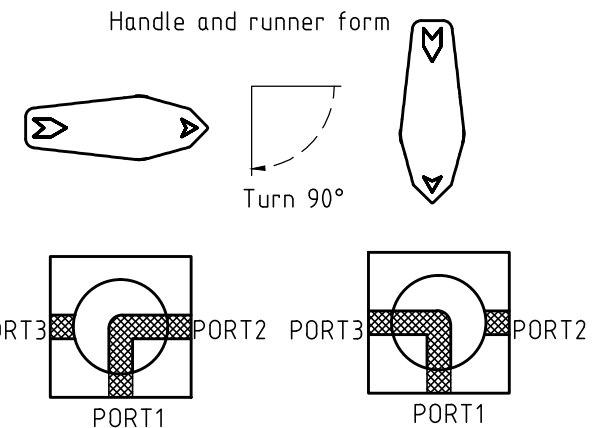
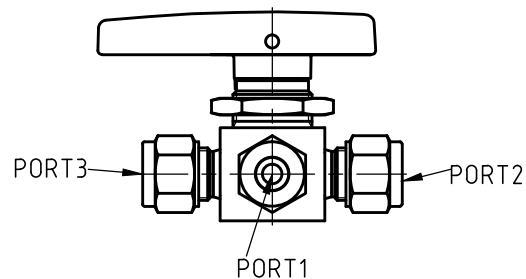
Temperature °F (°C)	Working Pressure psig(bar)	Temperature °F (°C)	Working Pressure psig(bar)
50(10) to 150(65)	1500(103.4)		

A	Jul.22, 2021				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-FNPT4-T05-4-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	630 S.S./ASTM A693
7	Body	316 S.S./ASTM A182
8	Gland	316 S.S./ASTM A479
9	Seat	TFM1600
10	Seat Retainer	316 S.S./ASTM A479

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



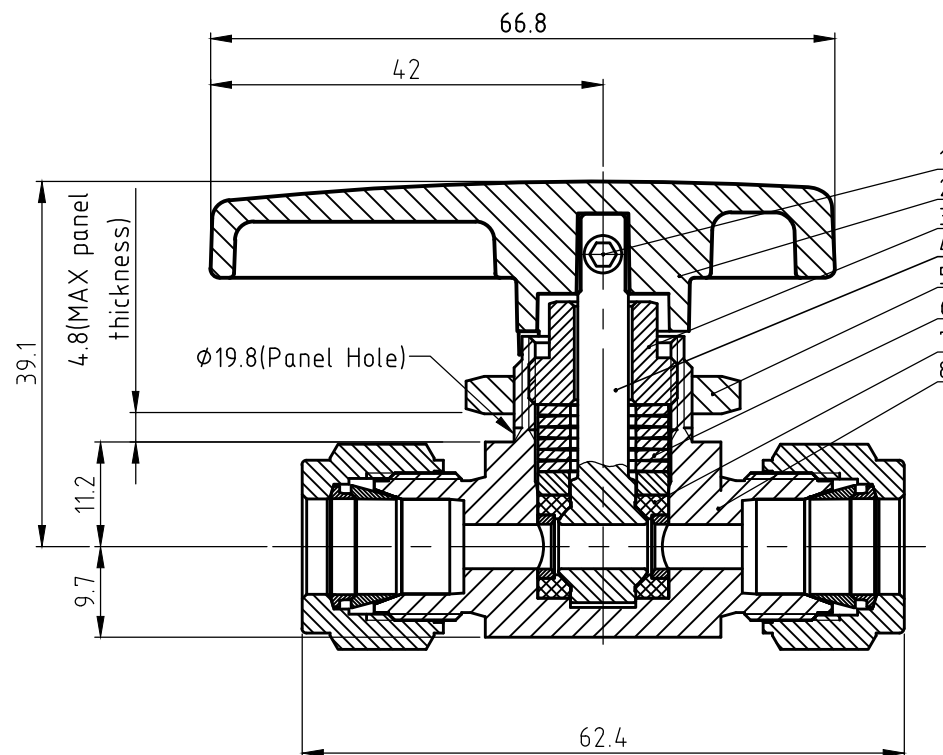
Technical Data:

Orifice Size	4.8
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 300 (148)	1500 (103)		

A	Sep.02, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M8-T05-3L-316-LT-NACE		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Seat	PTFE/ASTM D1710
8	Body	316 S.S./ASTM A182

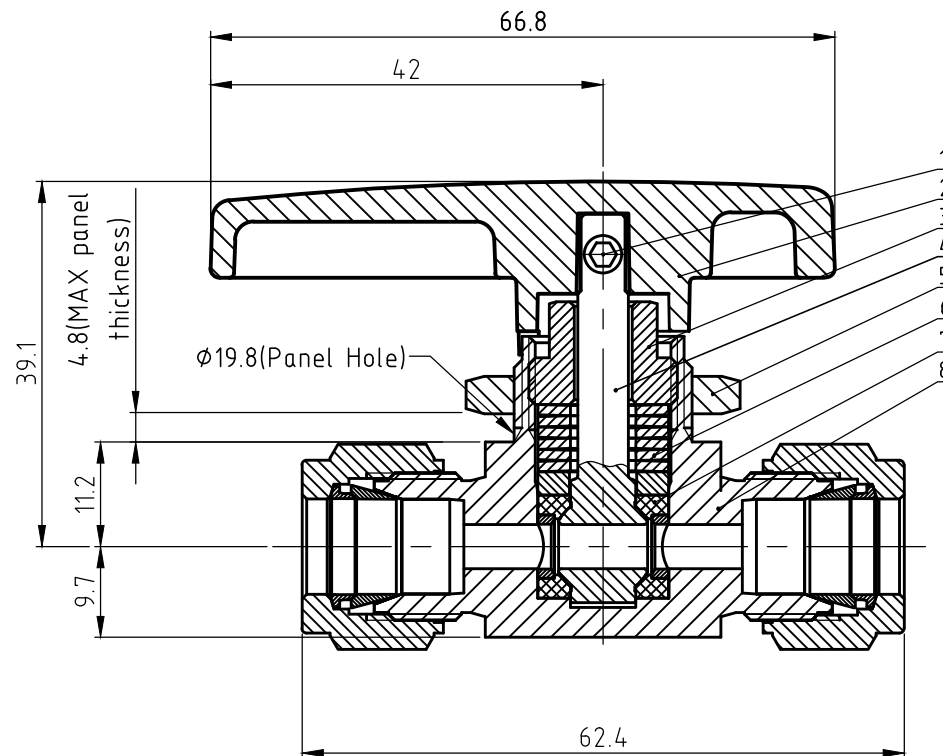
Technical Data:

Orifice Size	4.8mm
Inlet Size	O.D. Ø8
Outlet Size	O.D. Ø8
Cv	1.5

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000 (206)		
200 (93)	2800 (193)		
250 (121)	2650 (182)		
300 (148)	2500 (172)		

A	Jul.11, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-M8-T05-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Seat	PTFE/ASTM D1710
8	Body	316 S.S./ASTM A182

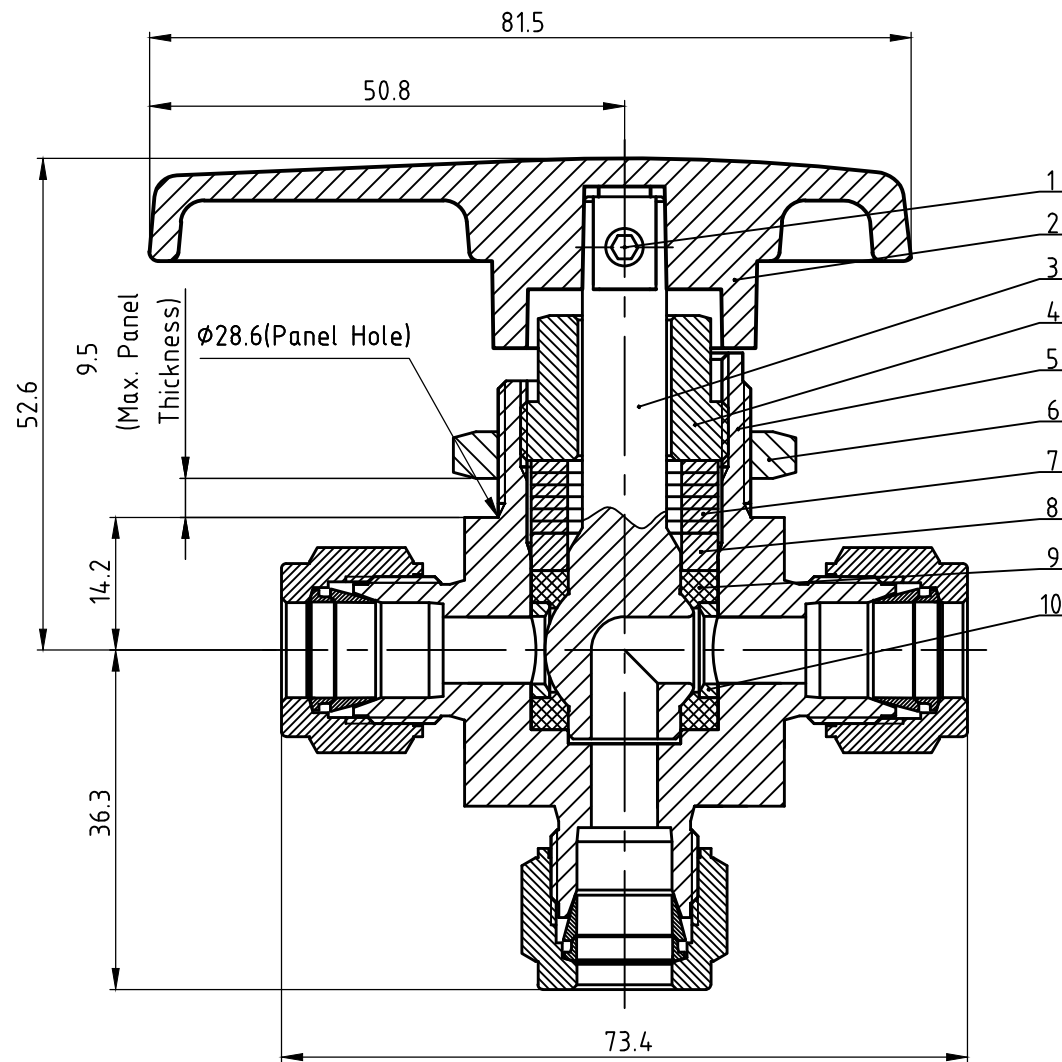
Technical Data:

Orifice Size	4.8mm
Inlet Size	O.D. $\phi 8$
Outlet Size	O.D. $\phi 8$
Cv	1.5

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	May.15,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-M8-T05-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	Galvanized carbon steel
2	Handle	ADC12/JIS H5302
3	Stem	316.S.S/ASTM A479
4	Packing Nut	316.S.S/ASTM A479
5	Body	316.S.S/ASTM A479
6	Panel Nut	316.S.S/ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316.S.S/ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316.S.S/ASTM A479

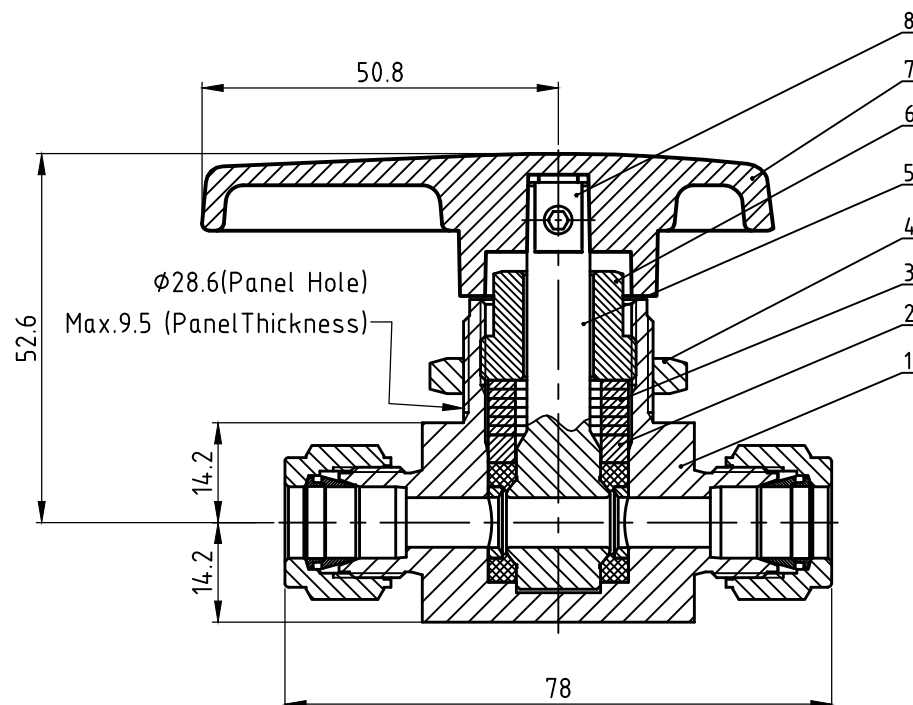
Technical Data:

Orifice Size	7.1mm
Inlet Size	O.D.Ø10mm
Outlet Size	O.D.Ø10mm

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	1500 (103)		

A	Aug.02, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M10-T07-3-316		
Format	A4	Unit	in/mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Body	316 S.S./ASTM A479
2	Gland	316 S.S./ASTM A479
3	Spring	631 S.S./ASTM A693
4	Panel Nut	316 S.S./ASTM A479
5	Stem	316 S.S./ASTM A479
6	Packing Nut	316 S.S./ASTM A479
7	Handle	ADC12/JIS H5302
8	Screw	304 S.S.
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

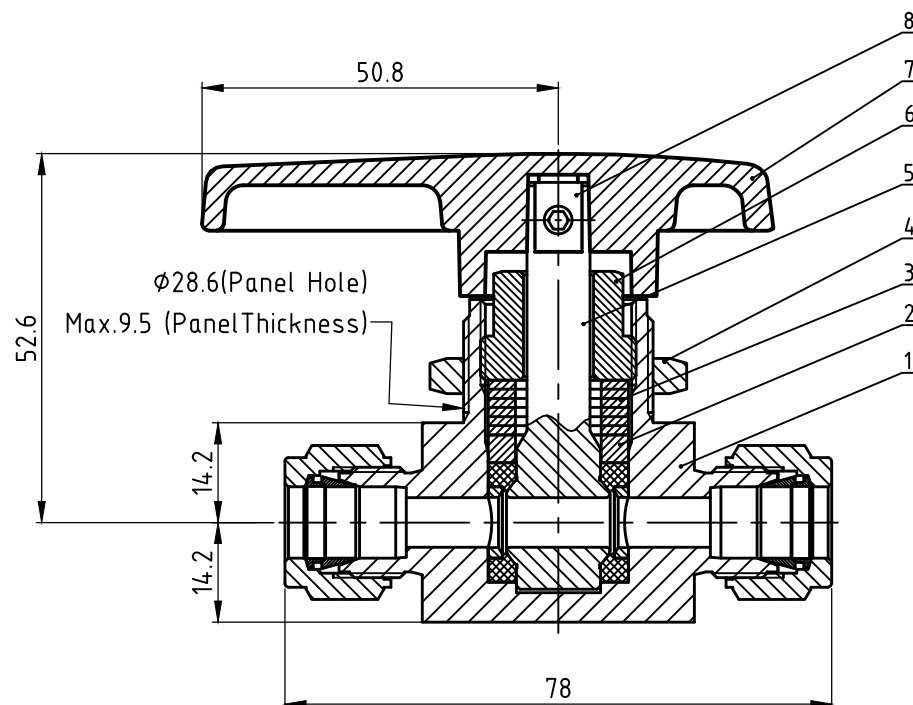
Technical Data:

Orifice Size	7.1mm
Inlet Size	O.D. ϕ 10
Outlet Size	O.D. ϕ 10
Cv	6.0

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Feb.14, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M10-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	Gland	316 S.S./ASTM A479
3	Spring	631 S.S./ASTM A693
4	Panel Nut	316 S.S./ASTM A479
5	Stem	316 S.S./ASTM A479
6	Packing Nut	316 S.S./ASTM A479
7	Handle	ADC12/JIS H5302
8	Screw	304 S.S.
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

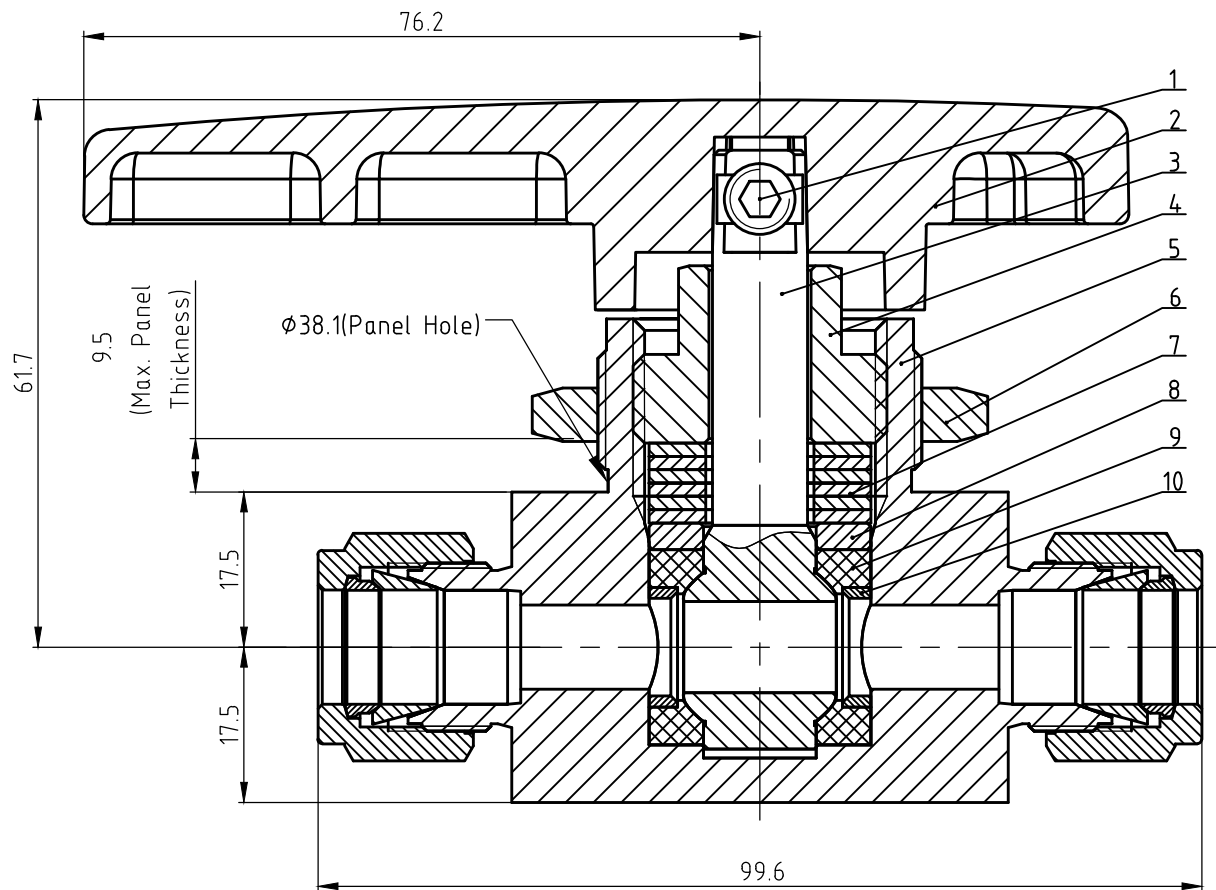
Technical Data:

Orifice Size	7.1mm
Inlet Size	O.D.Ø10
Outlet Size	O.D.Ø10
Cv	6.0

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Feb.27, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M10-T07-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

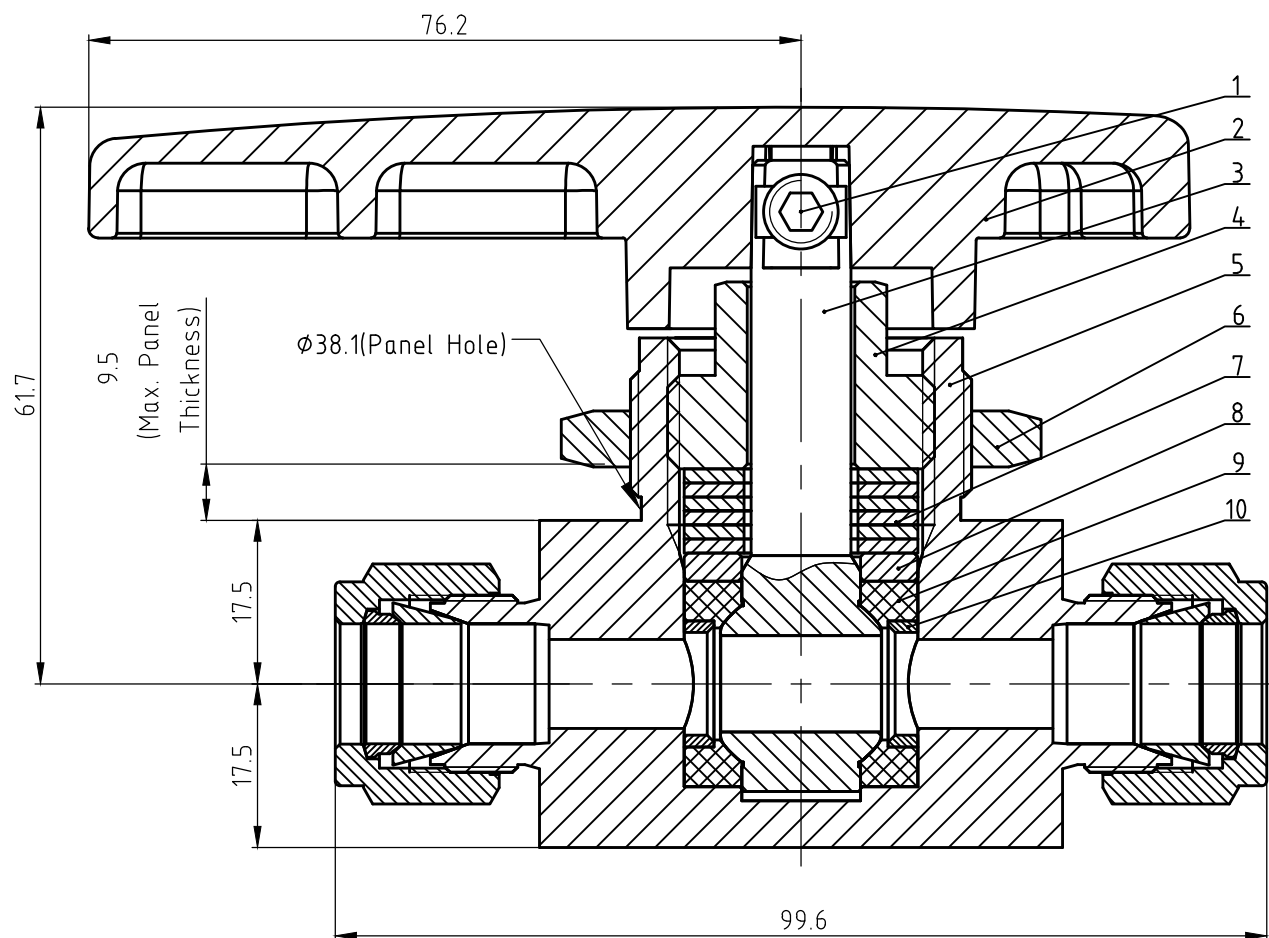
Technical Data:

Inlet Size	O.D. Ø12
Outlet Size	O.D. Ø12
Orifice Size	10.3
Cv	12

Pressure vs. Temperature Ratings:

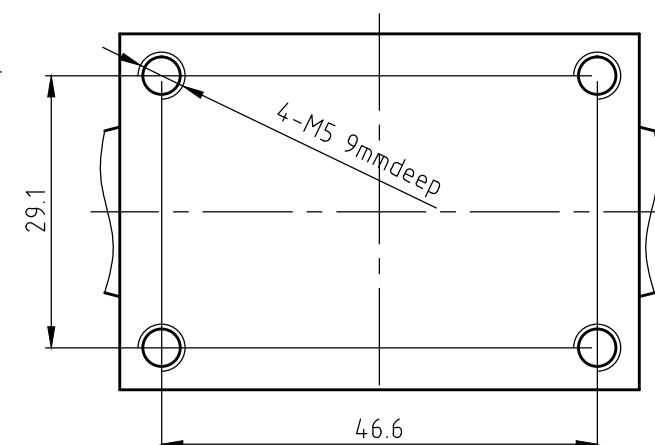
Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	Jul.12, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M12-T10-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Stem	316 S.S./ASTM A479
4	Packing Nut	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	S17700/ASTM A693
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

Bottom Mounting Hole



Note: This valve does not contain any lubricant.

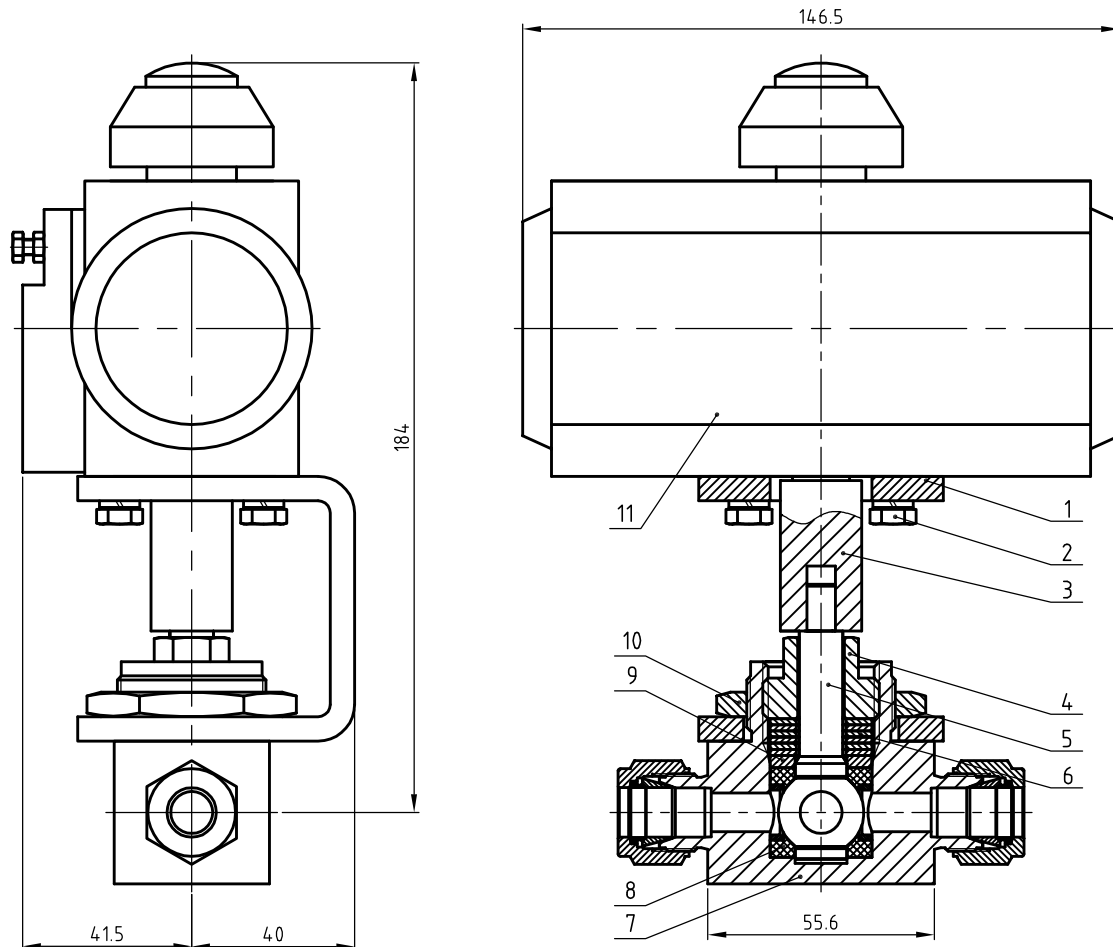
Technical Data:

Inlet Size	O.D. Ø12
Outlet Size	O.D. Ø12
Orifice Size	10.3
Cv	12

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500 (172)		

A	May.19, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M12-T10-316-FEF01		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Fixed plate	304 S.S.
2	Hexagon bolt	304 S.S.
3	Stem adapter	304 S.S.
4	Packing Nut	316 S.S./ASTM A479
5	Stem	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Body	316 S.S./ASTM A182
8	Seat	PTFE/ASTM D1710
9	Gland	316 S.S./ASTM A479
10	Panel nut	630 S.S./ASTM B783
11	Pneumatic Actuators	

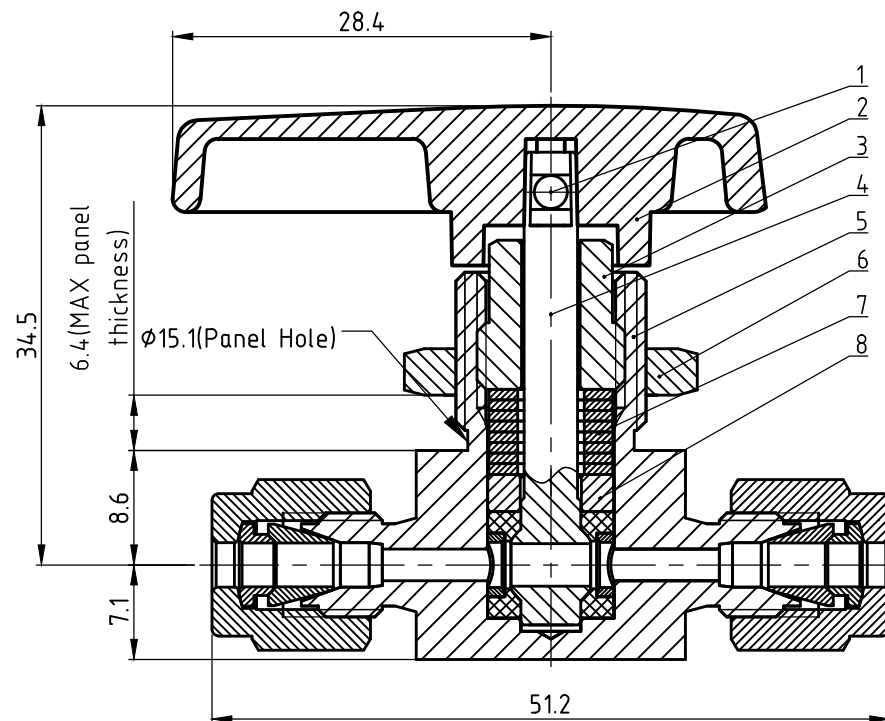
Technical Data:

Orifice Size	10.3mm
Inlet Size	O.D.Ø12
Outlet Size	O.D.Ø12
Type	Single acting
Set position	Normally Close
Drive air pressure	5~7bar

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
50 (10) to 150 (65)	2500(172)		

A	Jan.18.2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valves		
		Model	BV2-M12-T10-PSC-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

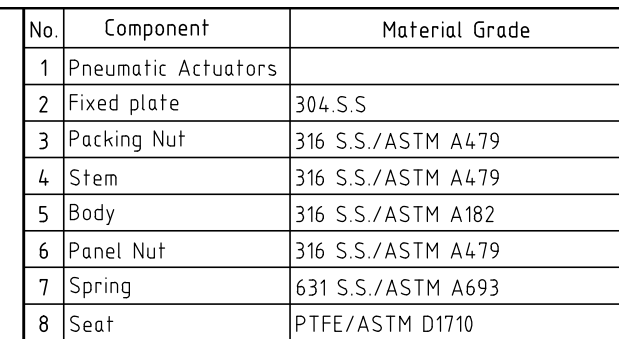


No.	Component	Material Grade
1	Screw	Galvanized steel
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Body	316 S.S./ASTM A182
6	Panel Nut	316 S.S./ASTM A479
7	Spring	631 S.S./ASTM A693
8	Seat	PTFE/ASTM D1710

Technical Data:

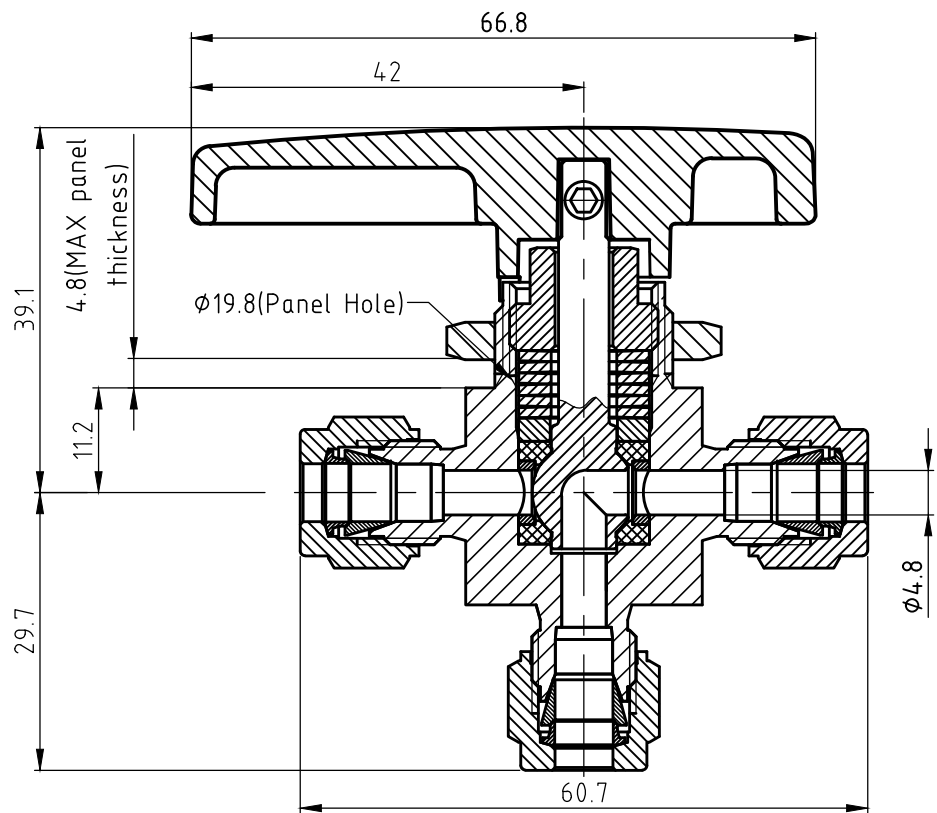
Orifice Size	2.4mm
Inlet Size	O.D. $\phi 3$
Outlet Size	O.D. $\phi 3$
Cv	0.2

A	Jul.12, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-M3-T02-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Pressure vs. Temperature Ratings:

A	Jul.12, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M6-T03-CPD3-316-DM		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	630 S.S./ASTM A693
7	Body	316 S.S./ASTM A182
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

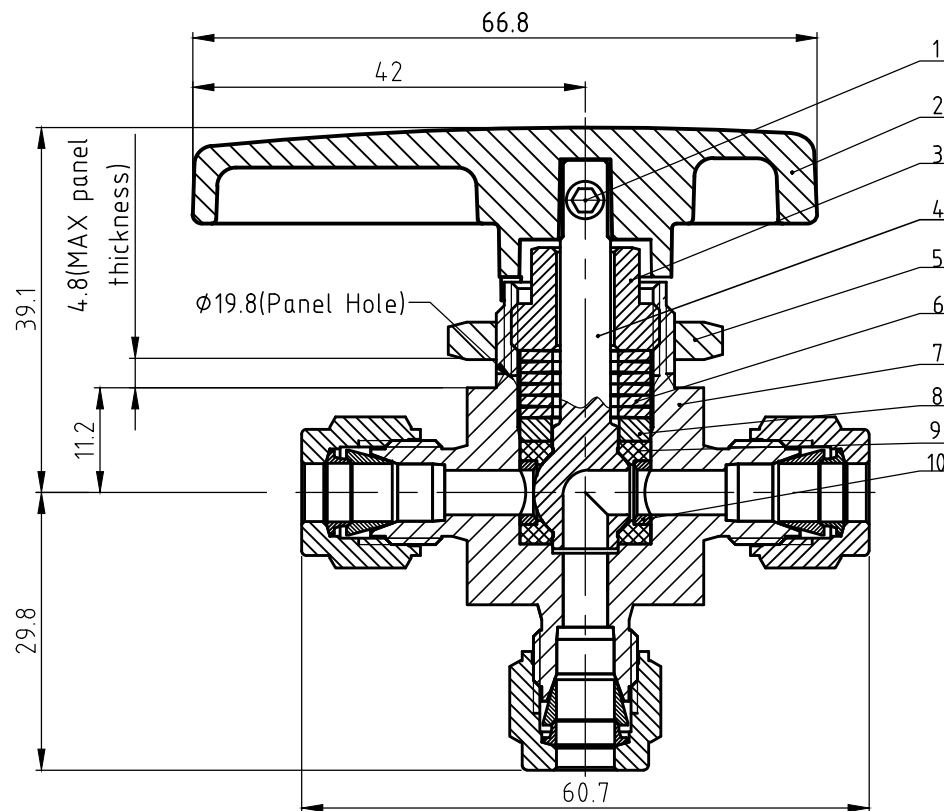
Technical Data:

Orifice Size	4.8
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$
CV	0.8
Orifice Size	4.8mm

Pressure vs. Temperature Ratings:

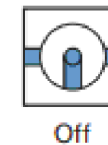
Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-54) to 300 (148)	2500 (172)		

A	Mar.14, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M6-T05-3-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	630 S.S./ASTM A693
7	Body	316 S.S./ASTM A182
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

Handle and runner form



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

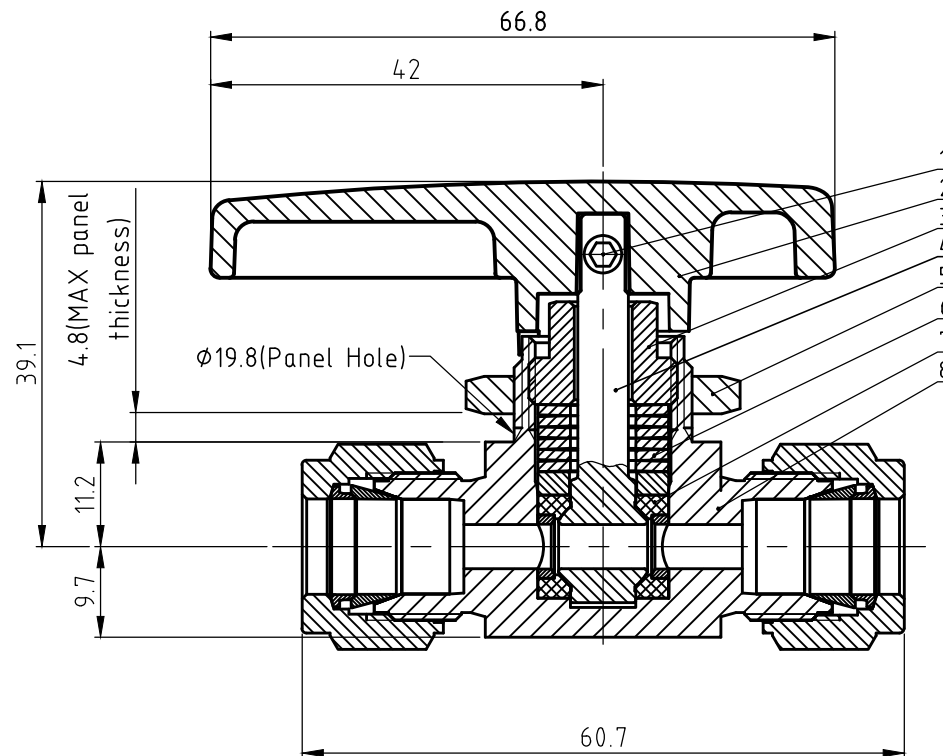
Technical Data:

Orifice Size	4.8
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$
CV	0.9

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-54) to 300 (148)	2500 (172)		

A	Feb.28, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M6-T05-3-316-NACE		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Seat	PTFE/ASTM D1710
8	Body	316 S.S./ASTM A182

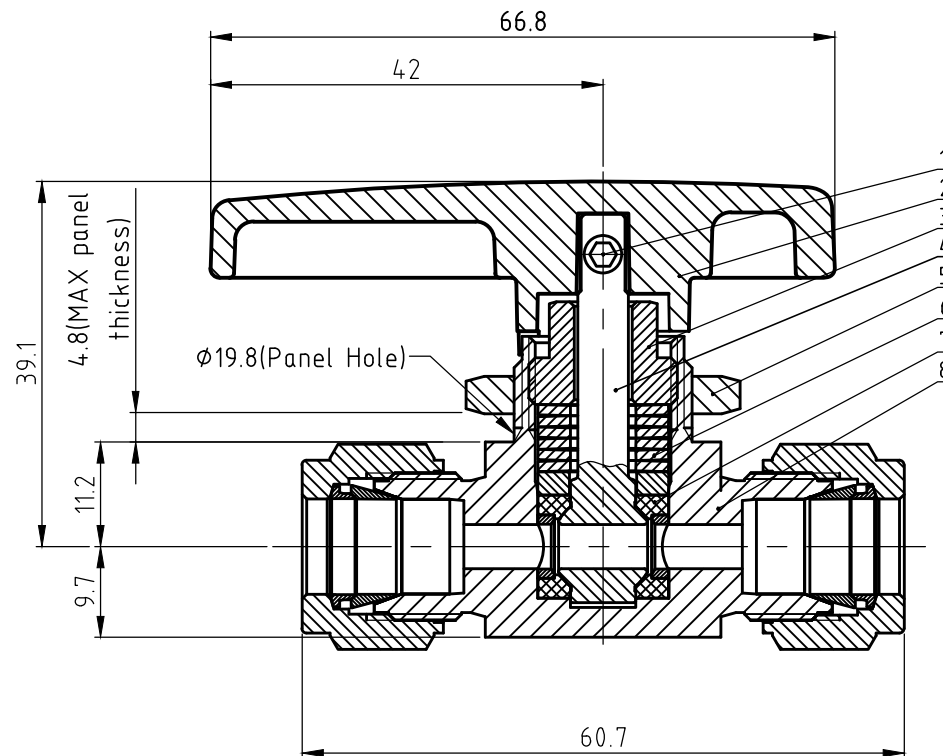
Technical Data:

Orifice Size	4.8mm
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$
Cv	1.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	May.05, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-M6-T05-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	631 S.S./ASTM A693
7	Seat	PTFE/ASTM D1710
8	Body	316 S.S./ASTM A182

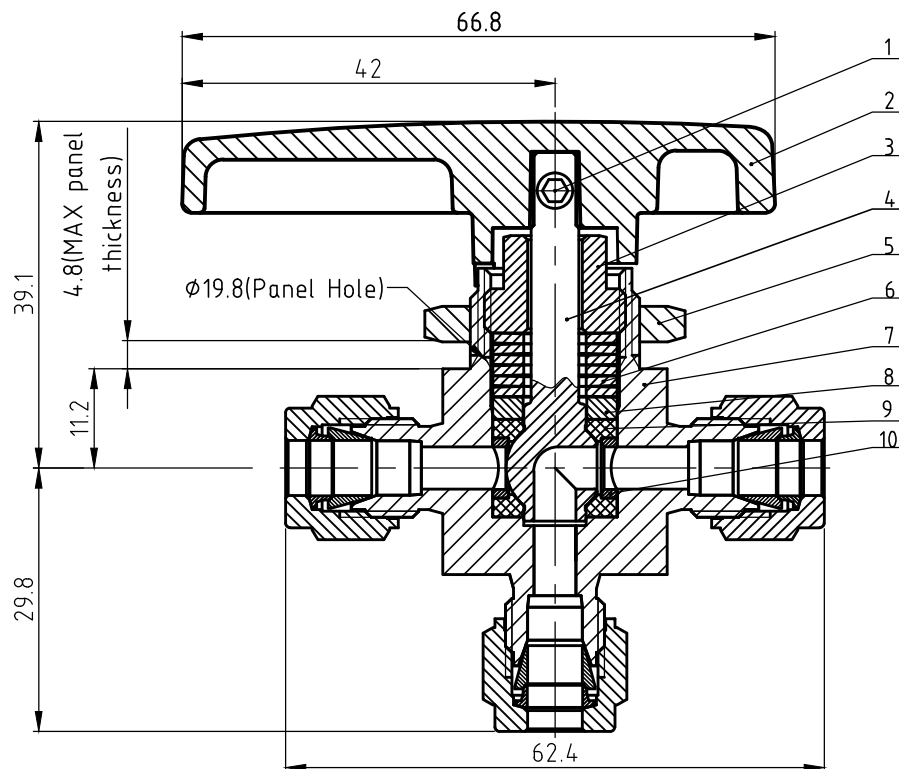
Technical Data:

Orifice Size	4.8mm
Inlet Size	O.D. $\phi 6$
Outlet Size	O.D. $\phi 6$
Cv	1.4

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-53) to 150 (65)	3000(206)		
200 (93)	2800(193)		
250 (121)	2650(182)		
300 (148)	2500(172)		

A	May.15,2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Ball Valve		
		Model	BV2-M6-T05-R1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	304 S.S.
2	Handle	ADC12/JIS H5302
3	Packing Nut	316 S.S./ASTM A479
4	Stem	316 S.S./ASTM A479
5	Panel Nut	316 S.S./ASTM A479
6	Spring	630 S.S./ASTM A693
7	Body	316 S.S./ASTM A182
8	Gland	316 S.S./ASTM A479
9	Seat	PTFE/ASTM D1710
10	Seat Retainer	316 S.S./ASTM A479

Technical Data:

Orifice Size	4.8
Inlet Size	O.D. $\phi 8$
Outlet Size	O.D. $\phi 8$
CV	0.9

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-65 (-54) to 300 (148)	2500 (172)		

A	Jul.12, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	BALL VALVE		
		Model	BV2-M8-T05-3-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		