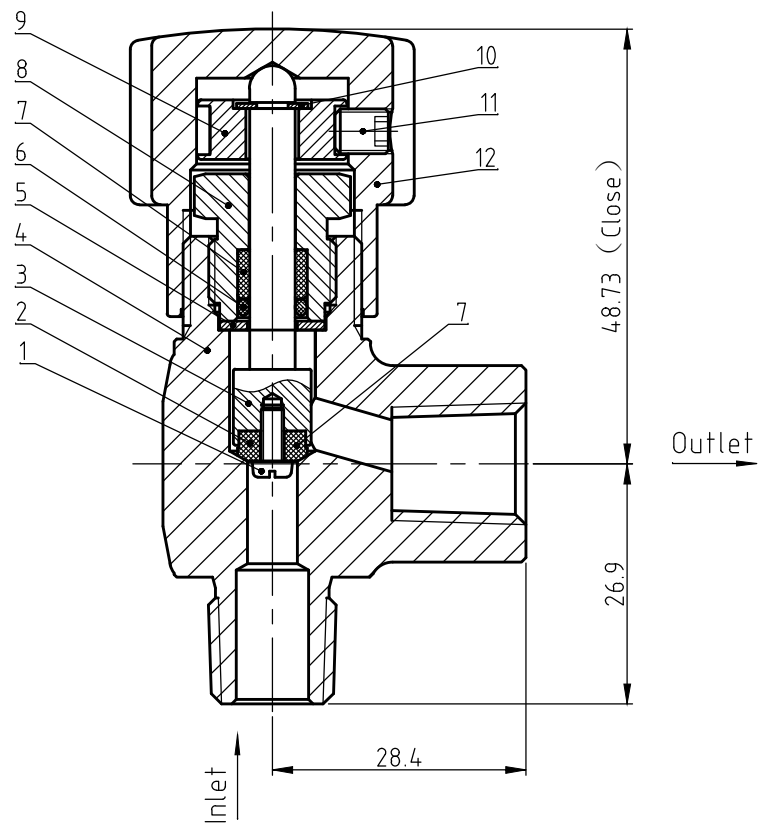




No.	Component	Material Grade
1	Screw	316 S.S.
2	Stem Tip	PCTFE
3	Stem	316 S.S./ASTM A479
4	Body	316 S.S./ASTM A182
5	Gland	316 S.S./ASTM A479
6	O-ring	FKM
7	Gland	PTFE/ASTM D1710
8	Packing Nut	316 S.S./ASTM A479
9	Spool	6061/ASTM B211
10	Circlips	304 S.S.
11	Screw	Galvanized steel
12	Handle	ADC12/JIS H 5302

NOTE:
Component 1, 3, 4, 5, 8 is treated with sulfur passivation

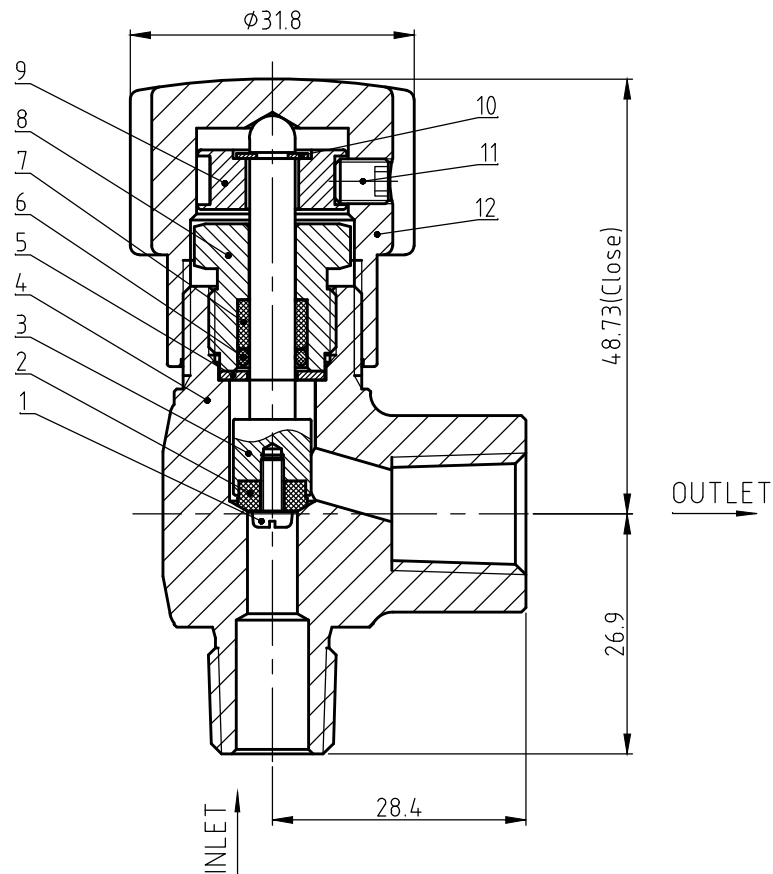
Technical Data:

Orifice Size	6.0mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	0.53

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Jun.25, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-FNPT4-06-A1-316-JA		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	316 S.S.
2	Stem Tip	PCTFE
3	Stem	316 S.S./ASTM A479
4	Body	316 S.S./ASTM A182
5	Gland	316 S.S./ASTM A479
6	O-ring	FVMQ
7	Gland	TFM1600
8	Packing Nut	316 S.S./ASTM A479
9	Spool	6061/ASTM B211
10	Circlips	304 S.S.
11	Screw	Galvanized steel
12	Handle	ADC12/JIS H 5302

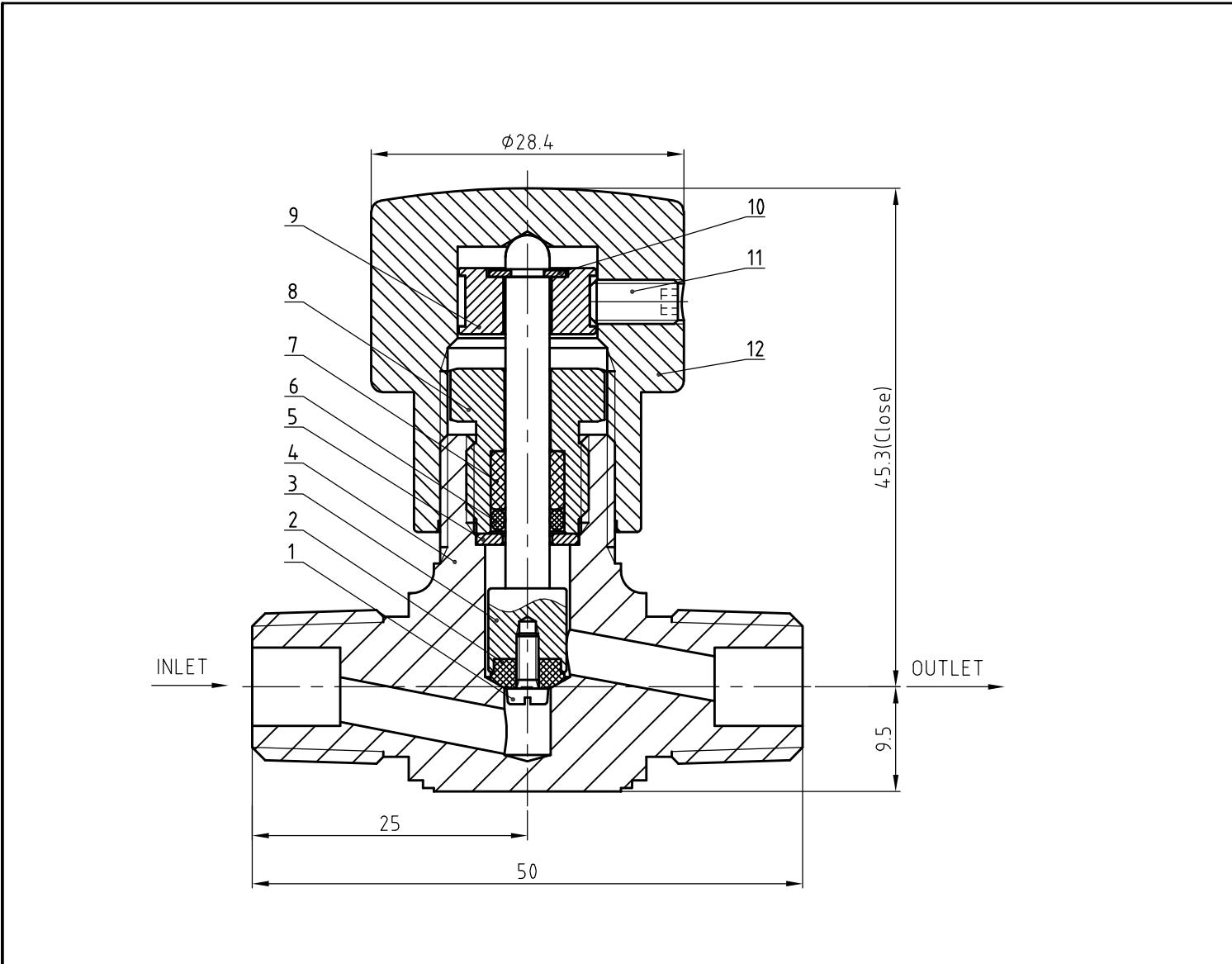
Technical Data:

Orifice Size	6.0mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	0.53

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Jul.15, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-FNPT4-06-A1-316-LT		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	316 S.S./ASTM A479
2	Stem Tip	PCTFE
3	Stem	316 S.S./ASTM A479
4	Body	316 S.S./ASTM A182
5	Gland	316 S.S./ASTM A479
6	O-ring	FKM
7	Gland	PTFE/ASTM D1710
8	Packing Nut	316 S.S./ASTM A479
9	Spool	6061/ASTM B211
10	Circlips	304 S.S.
11	Screw	Galvanized steel
12	Handle	ADC12/JIS H 5302

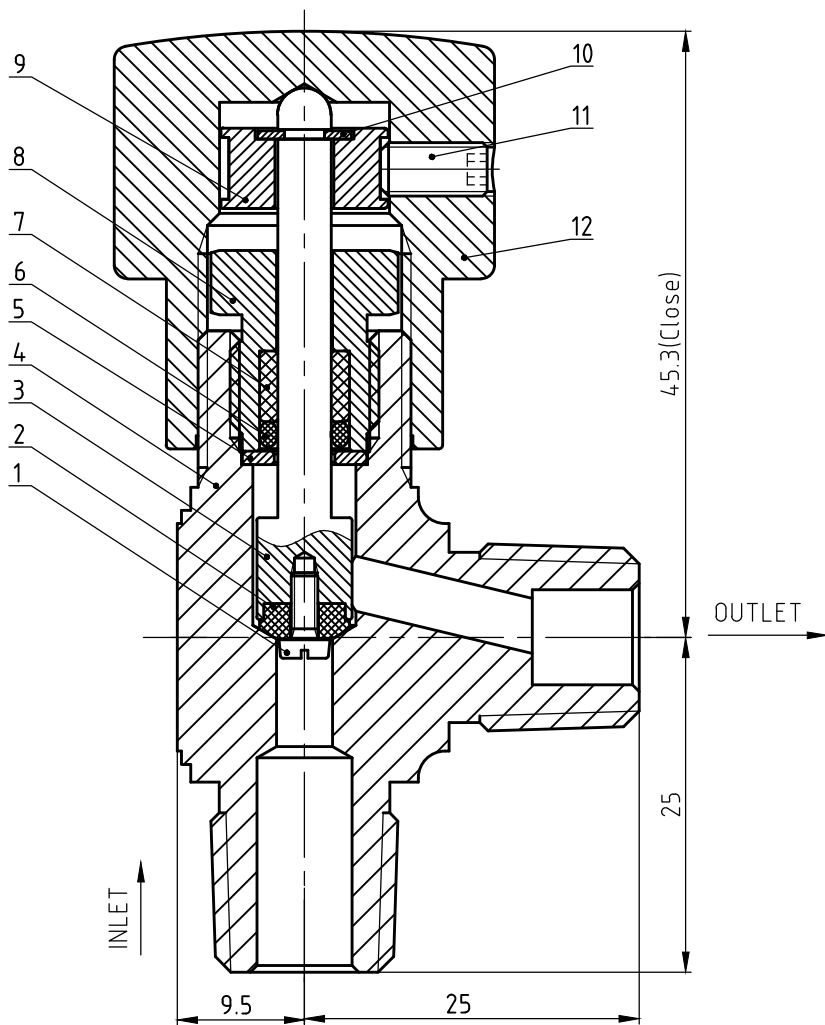
Technical Data:

Orifice Size	4mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT
Cv	0.27

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Dec.01, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-04-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Screw	316 S.S./ASTM A276
2	Stem Tip	PCTFE
3	Stem	316 S.S./ASTM A479
4	Body	316 S.S./ASTM A182
5	Gland	316 S.S./ASTM A479
6	O-ring	FKM
7	Gland	PTFE/ASTM D1710
8	Packing Nut	316 S.S./ASTM A479
9	Spool	6061/ASTM B211
10	Circlips	304 S.S.
11	Screw	Galvanized steel
12	Handle	ADC12/JIS H 5302

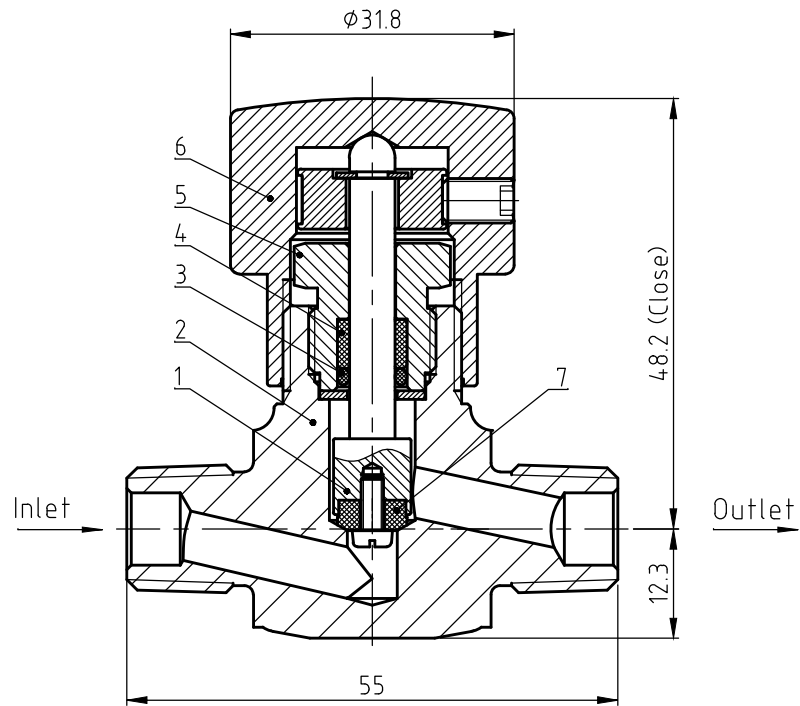
Technical Data:

Orifice Size	4mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT
Cv	0.27

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Jun.28, 2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-04-A1-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Stem	316 S.S./ASTM A479
2	Body	316 S.S./ASTM A182
3	O-ring	FVMQ
4	Gland	TFM1600
5	Packing Nut	316 S.S./ASTM A479
6	Handle	ADC12/JIS H5302
7	Stem Tip	PCTFE

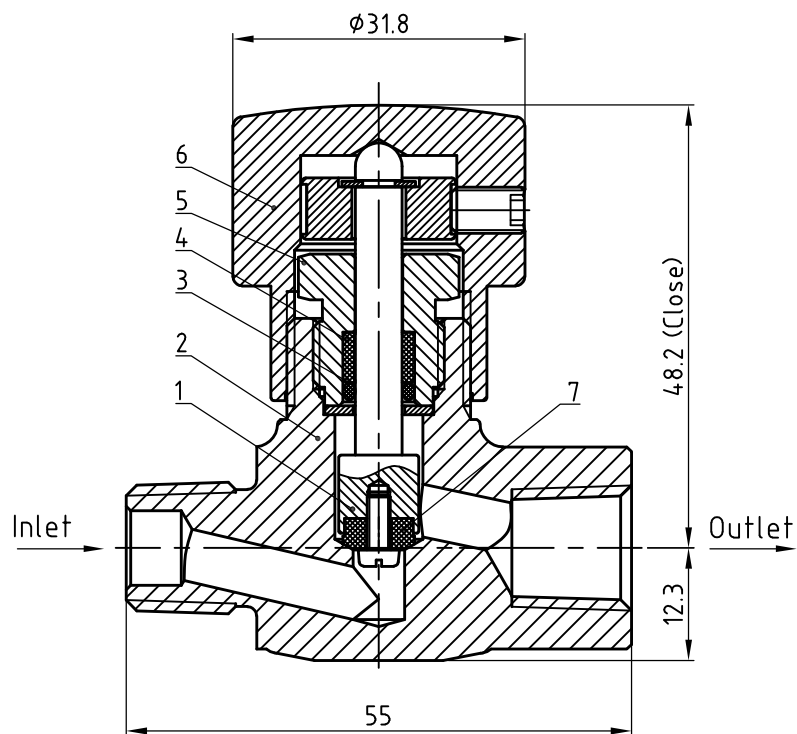
Technical Data:

Orifice Size	5.6mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT
Cv	0.53

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-76 (-60) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Apr.22, 2025				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-06-316-LT		
Format	A4	Unit	mm	View	
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No.	Component	Material Grade
1	Stem	316 S.S./ASTM A479
2	Body	316 S.S./ASTM A182
3	O-ring	FKM
4	Gland	PTFE/ASTM D1710
5	Packing Nut	316 S.S./ASTM A479
6	Handle	ADC12/JIS H5302
7	Stem Tip	PCTFE

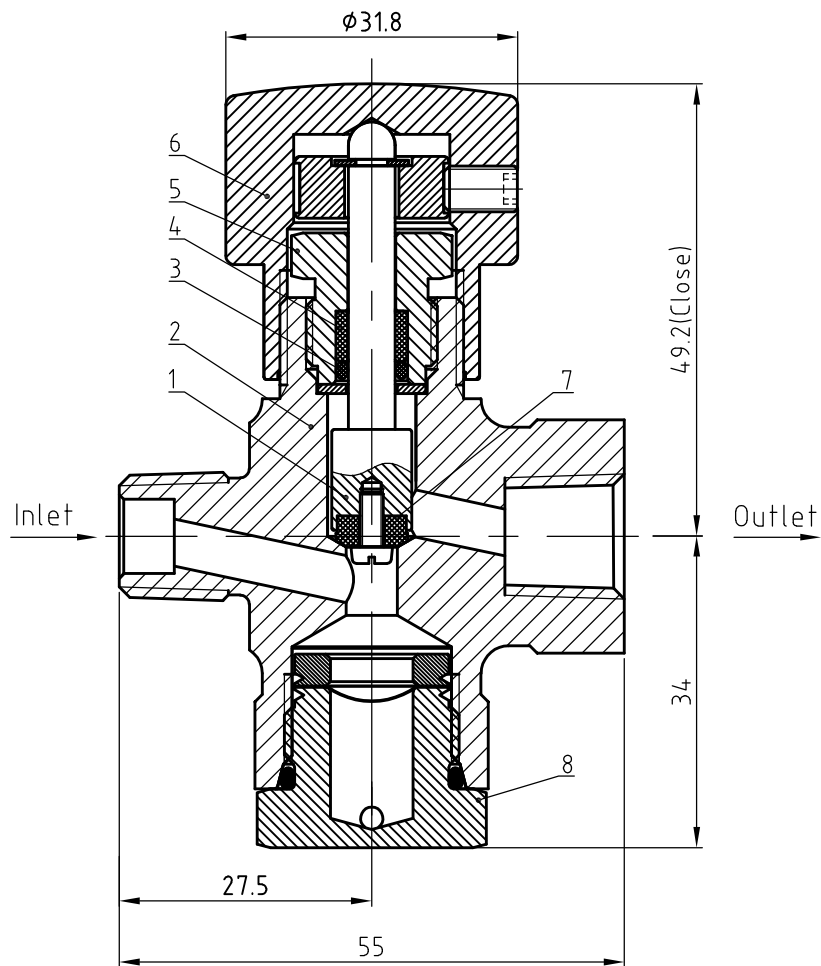
Technical Data:

Orifice Size	5.6mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	0.53

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Jan.12, 2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR - LOK		Title	Needle Valve		
		Model	NV7-NPT4-FNPT4-06-316		
Format	A4	Unit	mm	View	⊕
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Stem	316 S.S./ASTM A479
2	Body	316 S.S./ASTM A182
3	O-ring	FKM
4	Gland	PTFE/ASTM D1710
5	Packing Nut	316 S.S./ASTM A479
6	Handle	ADC12/JIS H5302
7	Stem Tip	PCTFE
8	Rupture Disc Units	316 S.S./ASTM A479+ Nickel Alloy

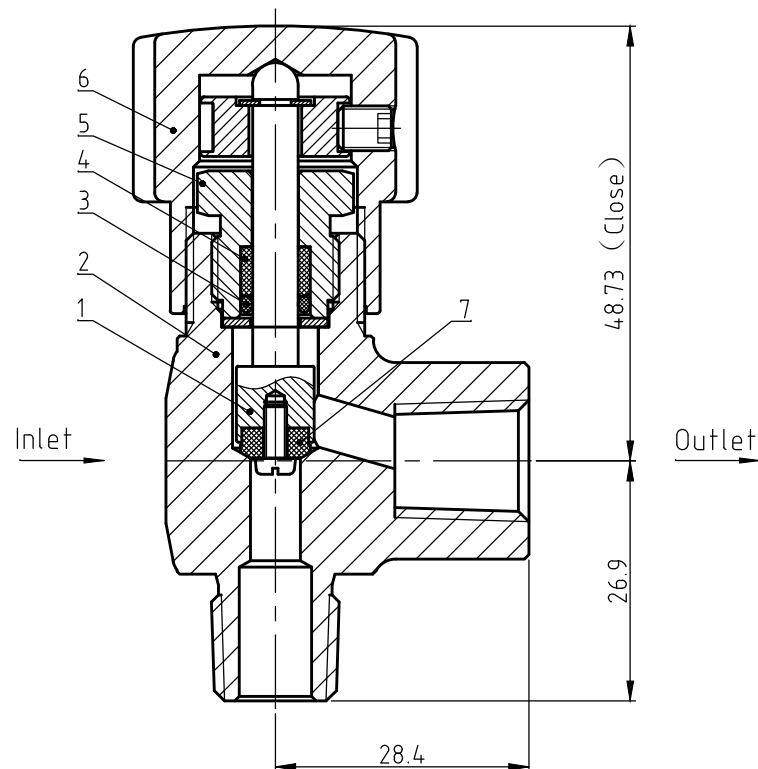
Technical Data:

Orifice Size	5.6mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	0.53
Nominal Burst Pressure at 70°F (20°C)	1800psi (123.2bar) ~ 2000psi (136.8bar)

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Jul.03, 2020				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR - LOK		Title	Needle Valve		
		Model	NV7-NPT4-FNPT4-06-1900-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



No.	Component	Material Grade
1	Stem	316 S.S./ASTM A479
2	Body	316 S.S./ASTM A182
3	O-ring	FKM
4	Gland	PTFE/ASTM D1710
5	Packing Nut	316 S.S./ASTM A479
6	Handle	ADC12/JIS H5302
7	Stem Tip	PCTFE

Technical Data:

Orifice Size	6.0mm
Inlet Size	1/4 NPT
Outlet Size	1/4 NPT(F)
Cv	0.53

Pressure vs. Temperature Ratings:

Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
-20 (-28) to 100 (37)	3000 (206)		
150 (65)	2790 (192)		
200 (93)	2580 (177)		

A	Agu.08, 2024				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Needle Valve		
		Model	NV7-NPT4-FNPT4-06-A1-316		
Format	A4	Unit	mm	View	
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