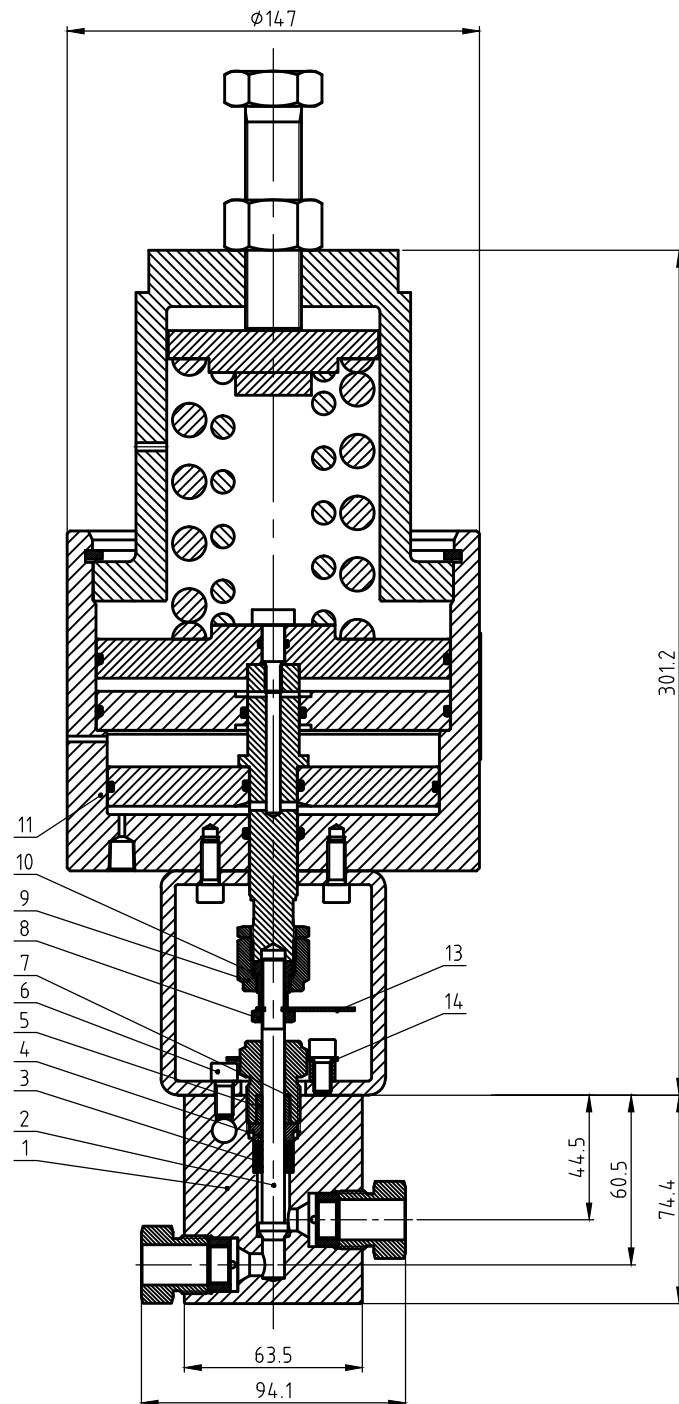


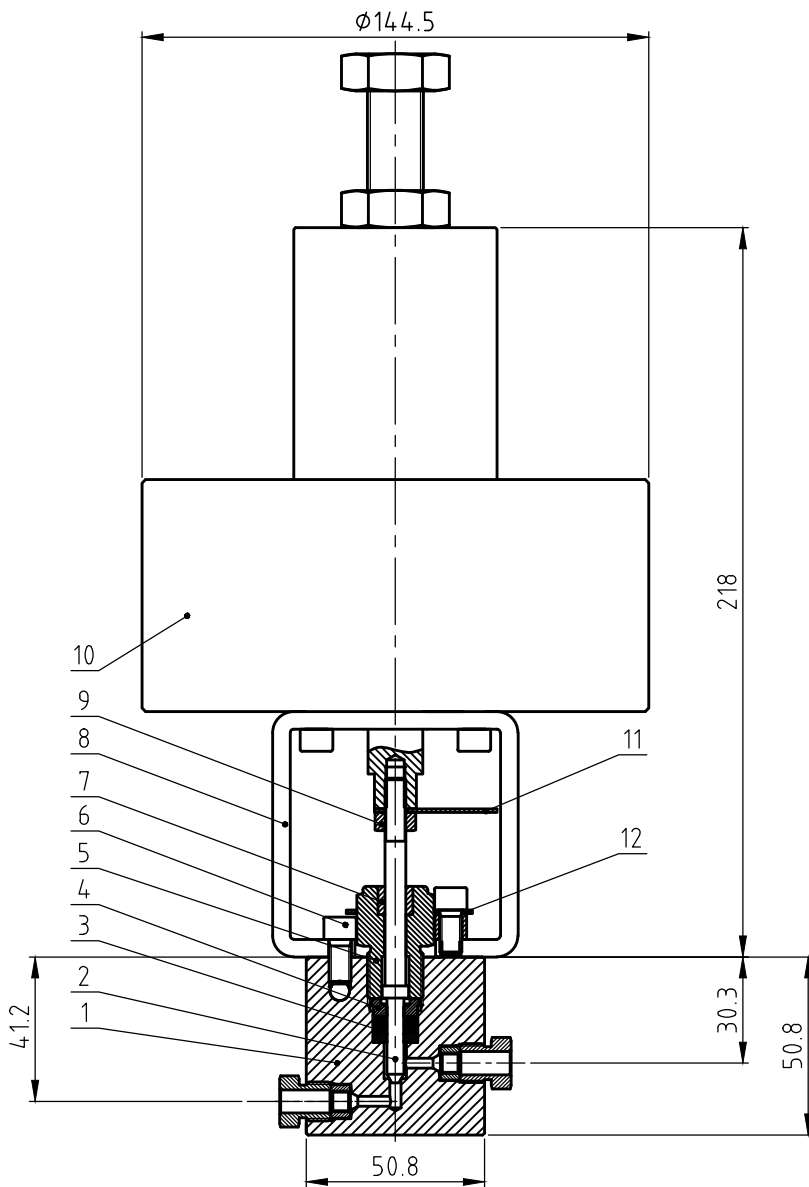


Component		Material Grade
1	Body	316 S.S./ASTM A479
2	Stem	630 S.S./ASTM A564
3	Packing	PTFE
4	Packing ring	316 S.S./ASTM A479
5	Bonnet	316 S.S./ASTM A479
6	Screw	304 S.S.
7	Bearing	C63000/ASTM B150
8	Nut	304 S.S.
9	Nut	316 S.S./ASTM A479
10	Connect	316 S.S./ASTM A479
11	Cylinder	6061
12	Indicate	304 S.S.
13	Lock Hoop	304 S.S.

Technical Data:

Max. WP	20000psi
Driver Pressure	70-80psi
Valve Position	Normal Close
Inlet Size	O.D. $\phi 9/16"$
Outlet Size	O.D. $\phi 9/16"$
Air Inlet Size	R 1/8"
Orifice Size	7.9mm

A	Aug.10,2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Pneumatic Needle Valves		
		Model	20NV-MPF9-NC-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

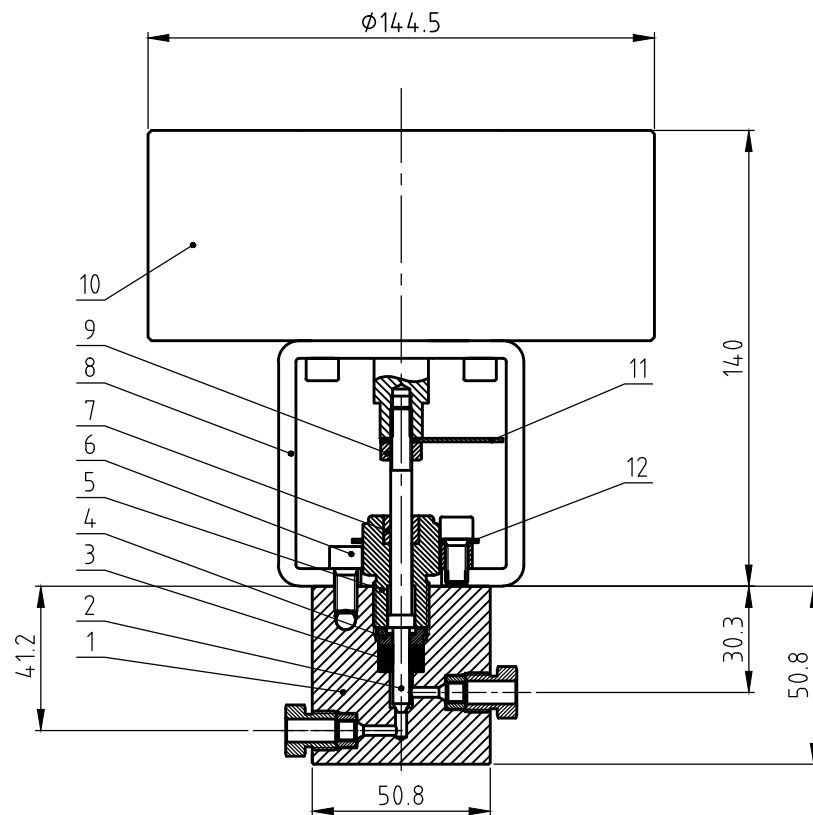


Component		Material Grade
1	Body	316 S.S./ASTM A479
2	Stem	630 S.S./ASTM A564
3	Packing	PTFE
4	Packing ring	316 S.S./ASTM A479
5	Bonnet	316 S.S./ASTM A479
6	Screw	304 S.S.
7	Bearing	C36000/ASTM B16
8	Bracket	304 S.S.
9	Nut	316 S.S./ASTM A479
10	Cylinder	6061
11	Indicate	304 S.S.
12	Lock Hoop	304 S.S.

Technical Data:

Max. WP	20000psi @ -65 to 100°F
Temperature Range	-100 to 450°F
System Pressure	85-95psi(5.8-6.5Bar)
Inlet Size	O.D. 1/4"
Outlet Size	O.D. 1/4"
Air Inlet Size	R 1/8"
Orifice Size	0.125in (3.18mm)

A	Aug.11.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Pneumatic Needle Valves		
		Model	20NV-MPF4-NC-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

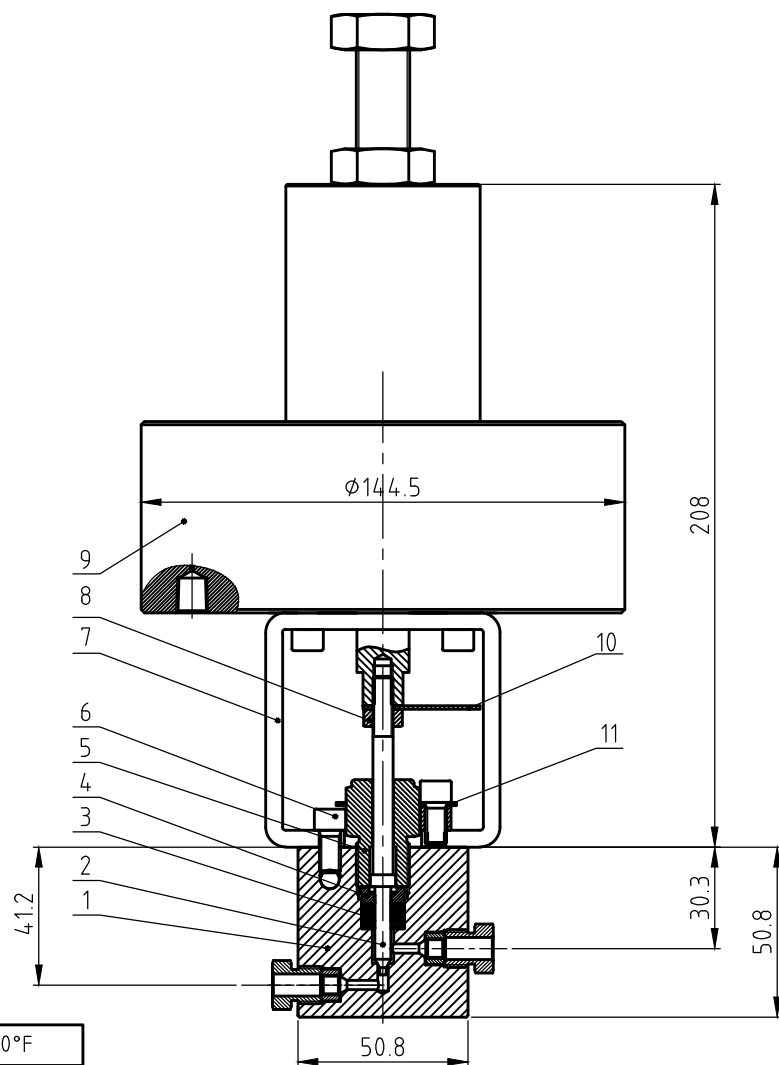


Component		Material Grade
1	Body	316 S.S./ASTM A479
2	Stem	630 S.S./ASTM A564
3	Packing	PTFE
4	Packing ring	316 S.S./ASTM A479
5	Bonnet	316 S.S./ASTM A479
6	Screw	304 S.S.
7	Bearing	C36000/ASTM B16
8	Bracket	304 S.S.
9	Nut	316 S.S./ASTM A479
10	Cylinder	6061
11	Indicate	304 S.S.
12	Lock Hoop	304 S.S.

Technical Data:

Max. WP	20000psi @ -65 to 100°F
Temperature Range	-100 to 450°F
System Pressure	60-90psi(4-6Bar)
Inlet Size	O.D. $\phi 1/4"$
Outlet Size	O.D. $\phi 1/4"$
Air Inlet Size	R 1/8"
Orifice Size	0.125in (3.18mm)

A	Aug.11.2022				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Pneumatic Needle Valves		
		Model	20NV-MPF4-NO-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		

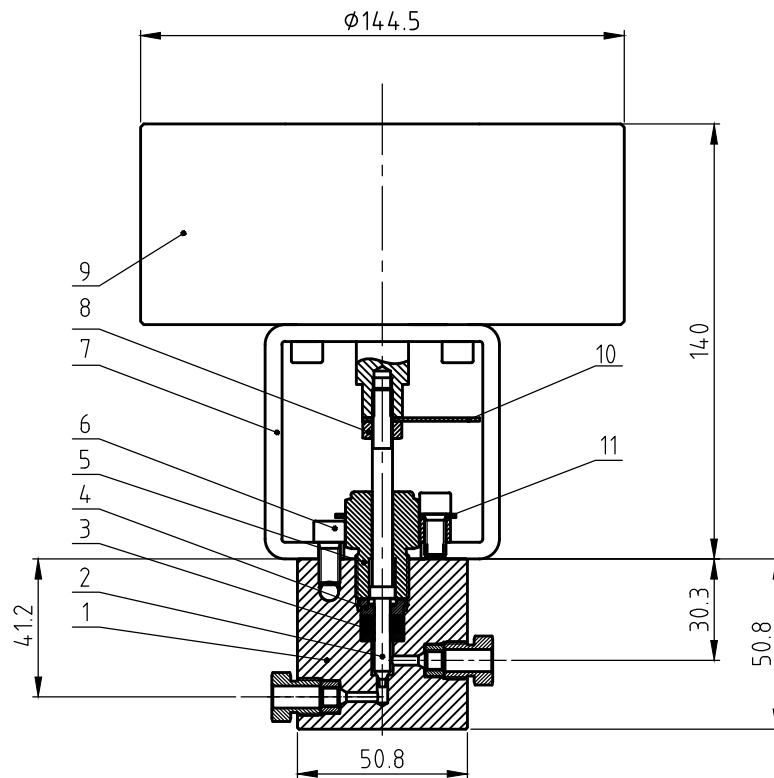


Component		Material Grade
1	Body	316 S.S./ASTM A479
2	Stem	630 S.S./ASTM A564
3	Packing	PTFE
4	Packing ring	316 S.S./ASTM A479
5	Bonnet	C36000/ASTM B16
6	Screw	304 S.S.
7	Bracket	304 S.S.
8	Nut	316 S.S./ASTM A479
9	Cylinder	6061
10	Indicate	304 S.S.
11	Lock Hoop	304 S.S.

Technical Data:

Max. WP	20000psi @ -65 to 100°F
Temperature Range	-100 to 450°F
System Pressure	60-90psi(4-6Bar)
Inlet Size	O.D. $\phi 1/4"$
Outlet Size	O.D. $\phi 1/4"$
Air Inlet Size	R 1/8"
Orifice Size	0.125in (3.18mm)

A	Oct.16.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Pneumatic Needle Valves		
		Model	20NV-MPF4-R-NC-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		



Component		Material Grade
1	Body	316 S.S./ASTM A479
2	Stem	630 S.S./ASTM A564
3	Packing	PTFE
4	Packing ring	316 S.S./ASTM A479
5	Bonnet	C36000/ASTM B16
6	Screw	304 S.S.
7	Bracket	304 S.S.
8	Nut	316 S.S./ASTM A479
9	Cylinder	6061
10	Indicate	304 S.S.
11	Lock Hoop	304 S.S.

Technical Data:

Max. WP	20000psi @ -65 to 100°F
Temperature Range	-100 to 450°F
System Pressure	60-90psi(4-6Bar)
Inlet Size	O.D. $\phi 1/4$ "
Outlet Size	O.D. $\phi 1/4$ "
Air Inlet Size	R 1/8"
Orifice Size	0.125in (3.18mm)

A	Sep.25.2023				YES
REV	Revision Date	Created	Checked	Approved	Status
CIR-LOK		Title	Pneumatic Needle Valves		
		Model	20NV-MPF4-R-N0-316		
Format	A4	Unit	mm	View	
Scale	Not 1:1	Page	1 of 1		