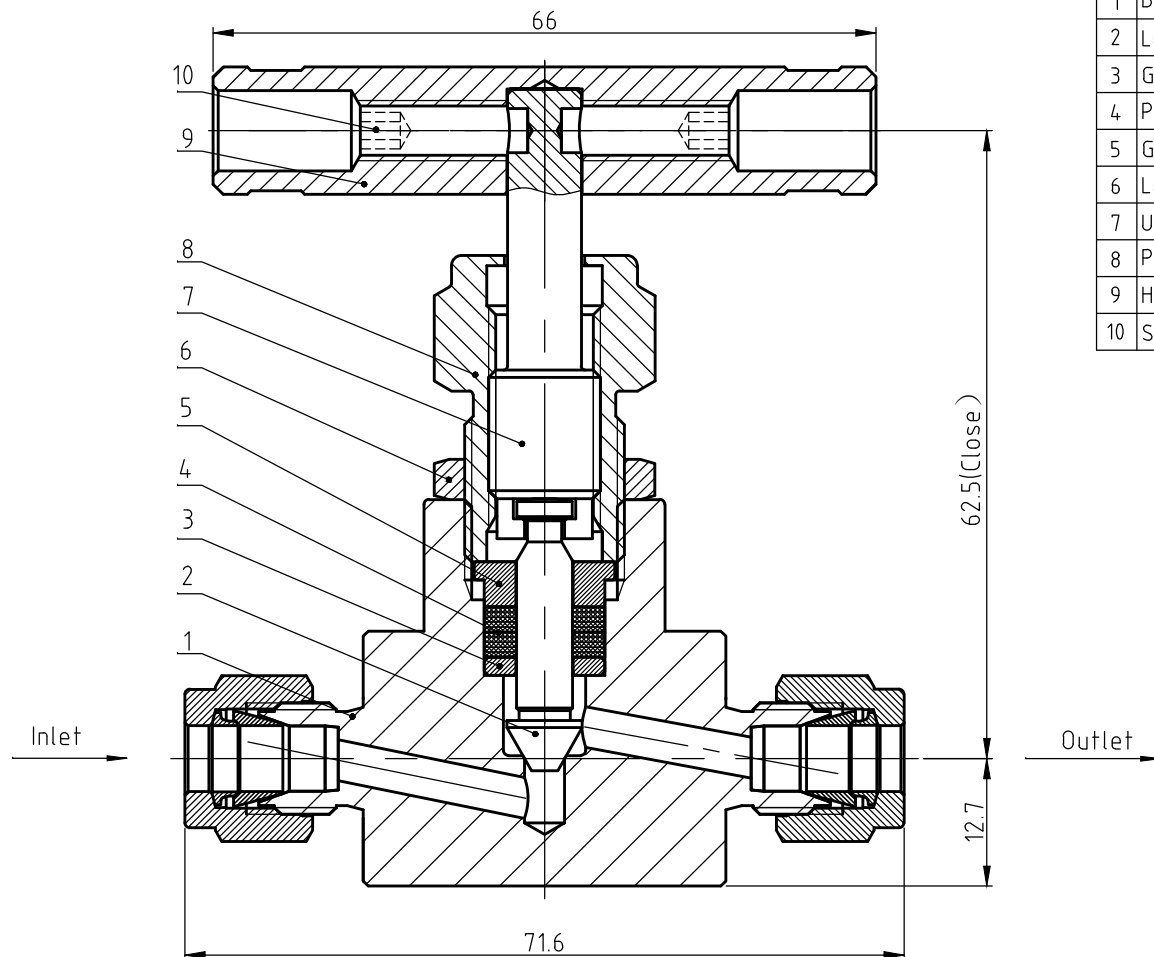




| No. | Component   | Material Grade     |
|-----|-------------|--------------------|
| 1   | Body        | 316 S.S./ASTM A182 |
| 2   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | Graphite           |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

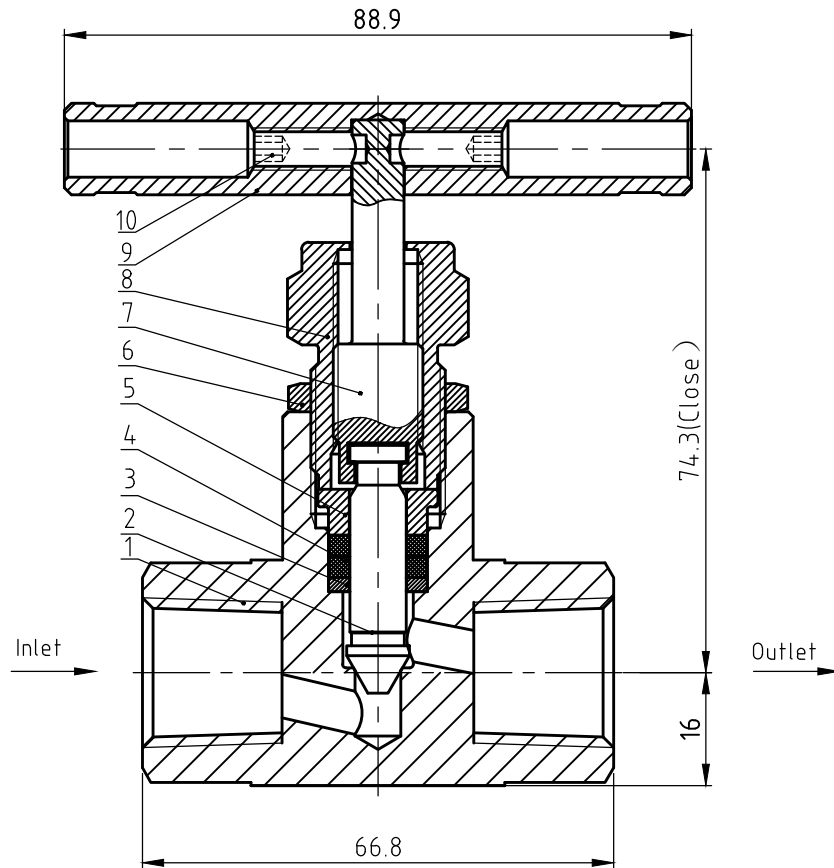
#### Technical Data:

|              |                 |
|--------------|-----------------|
| Orifice Size | 4mm             |
| Inlet Size   | O.D $\phi 1/4"$ |
| Outlet Size  | O.D $\phi 1/4"$ |
| Cv           | 0.35            |
|              |                 |
|              |                 |
|              |                 |
|              |                 |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    | 700 (371)              | 6515 (449)                     |
| 200 (93)               | 9290 (640)                     | 800 (426)              | 6335 (436)                     |
| 300 (148)              | 8390 (578)                     | 900 (482)              | 6230 (429)                     |
| 400 (204)              | 7705 (531)                     | 1000 (537)             | 5450 (375)                     |
| 500 (260)              | 7165 (494)                     | 1100 (593)             | 4575 (315)                     |
| 600 (315)              | 6770 (466)                     | 1200 (648)             | 2775 (191)                     |

|                |               |         |                 |          |        |
|----------------|---------------|---------|-----------------|----------|--------|
|                |               |         |                 |          |        |
|                |               |         |                 |          |        |
| A              | May.31, 2024  |         |                 |          | YES    |
| REV            | Revision Date | Created | Checked         | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve    |          |        |
|                |               | Model   | NV2-F4-04-G-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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

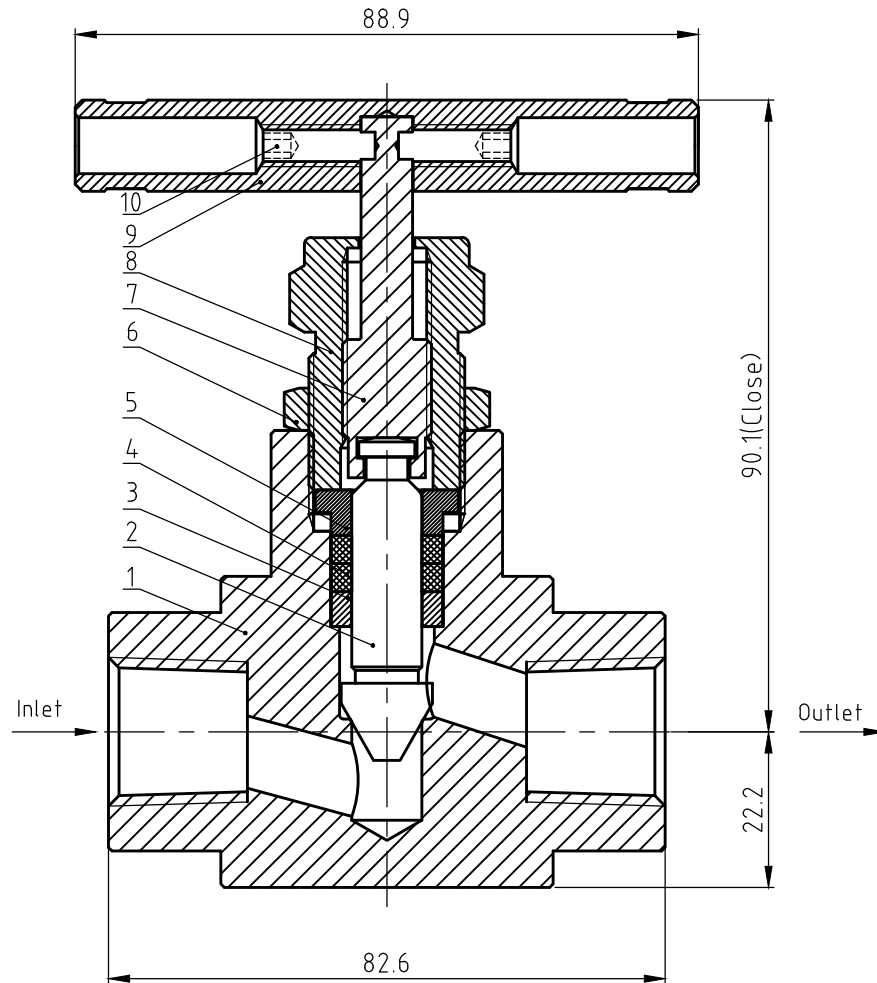
#### Technical Data:

|              |            |
|--------------|------------|
| Orifice Size | 6mm        |
| Inlet Size   | 1/2 NPT(F) |
| Outlet Size  | 1/2 NPT(F) |
| Cv           | 0.85       |
|              |            |
|              |            |
|              |            |
|              |            |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

|                |               |         |                  |          |        |
|----------------|---------------|---------|------------------|----------|--------|
|                |               |         |                  |          |        |
|                |               |         |                  |          |        |
|                |               |         |                  |          |        |
| A              | Nov.14, 2023  |         |                  |          | YES    |
| REV            | Revision Date | Created | Checked          | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve     |          |        |
|                |               | Model   | NV2-FNPT8-06-316 |          |        |
| 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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

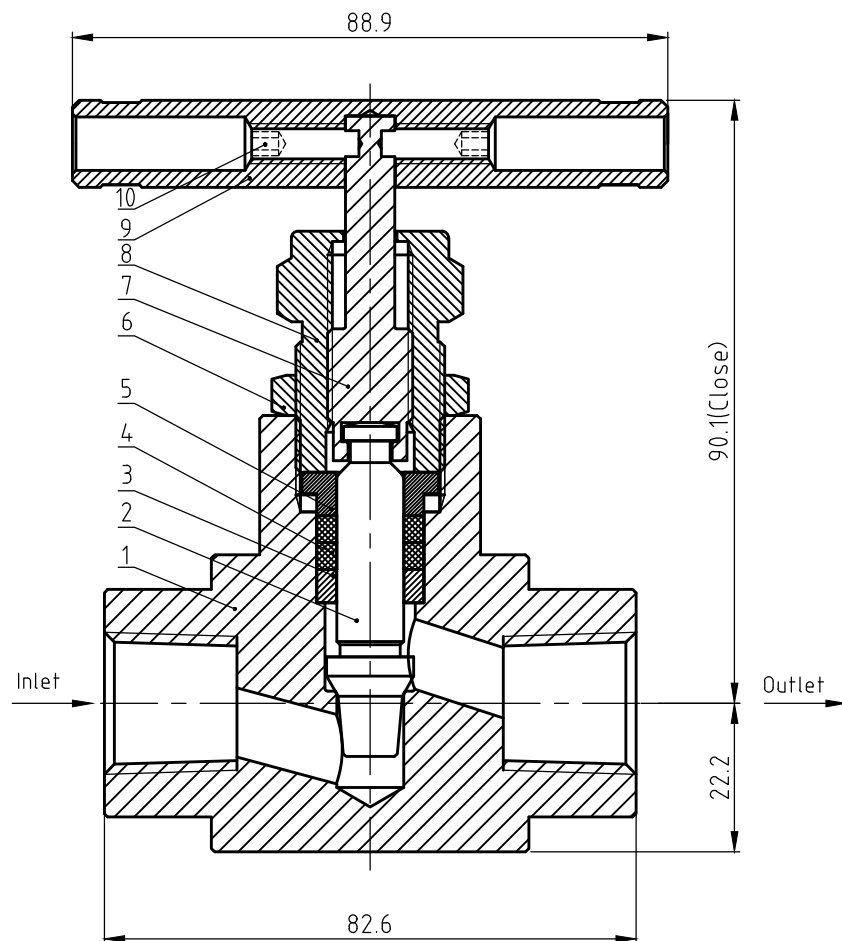
#### Technical Data:

|              |            |
|--------------|------------|
| Orifice Size | 11mm       |
| Inlet Size   | 3/4 NPT(F) |
| Outlet Size  | 3/4 NPT(F) |
| Cv           | 2.18       |
|              |            |
|              |            |
|              |            |
|              |            |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

| A              | Mar.15, 2022  |         |                   |          | YES    |
|----------------|---------------|---------|-------------------|----------|--------|
| REV            | Revision Date | Created | Checked           | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve      |          |        |
|                |               | Model   | NV2-FNPT12-11-316 |          |        |
| 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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

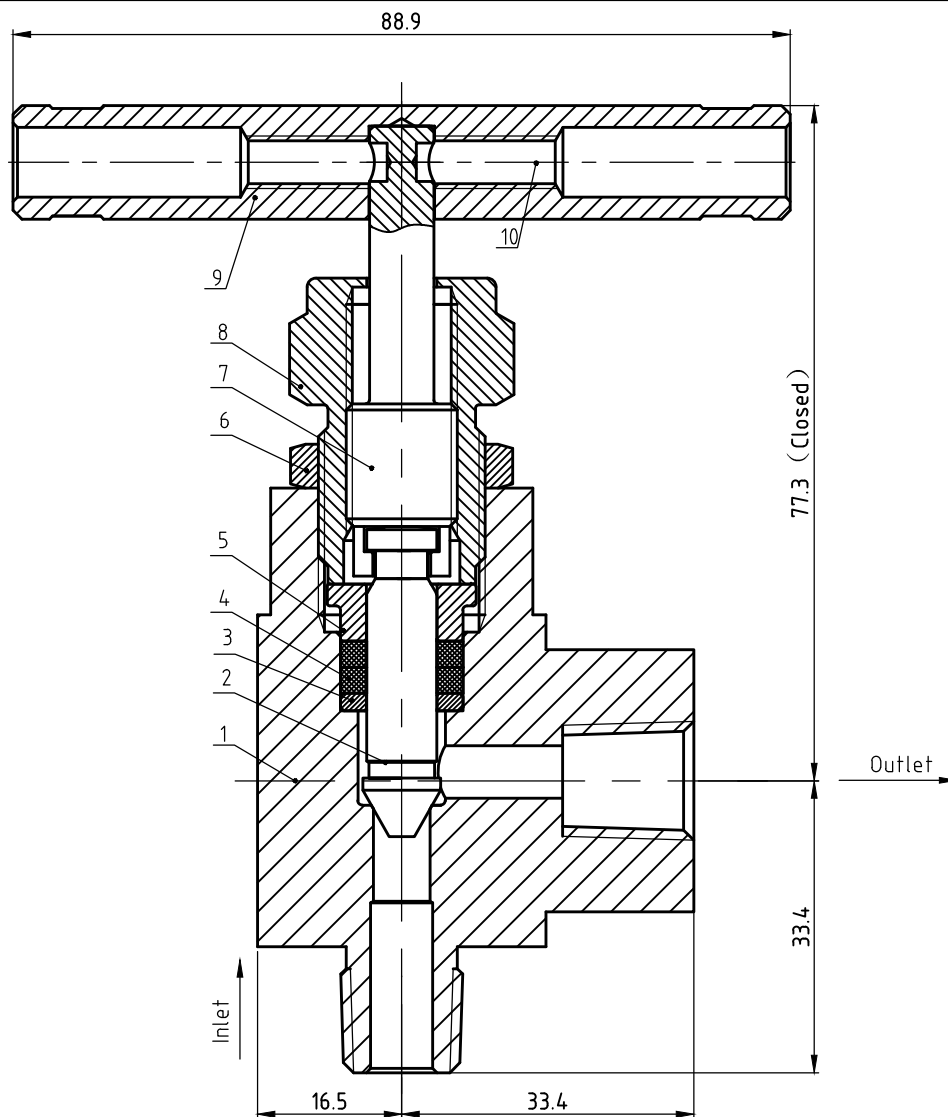
#### Technical Data:

|              |            |
|--------------|------------|
| Orifice Size | 11mm       |
| Inlet Size   | 3/4 NPT(F) |
| Outlet Size  | 3/4 NPT(F) |
| Cv           | 2.18       |
|              |            |
|              |            |
|              |            |
|              |            |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

|                |               |         |                    |          |        |
|----------------|---------------|---------|--------------------|----------|--------|
|                |               |         |                    |          |        |
|                |               |         |                    |          |        |
|                |               |         |                    |          |        |
| A              | Dec.04, 2023  |         |                    |          | YES    |
| REV            | Revision Date | Created | Checked            | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve       |          |        |
|                |               | Model   | NV2-FNPT12-11R-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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

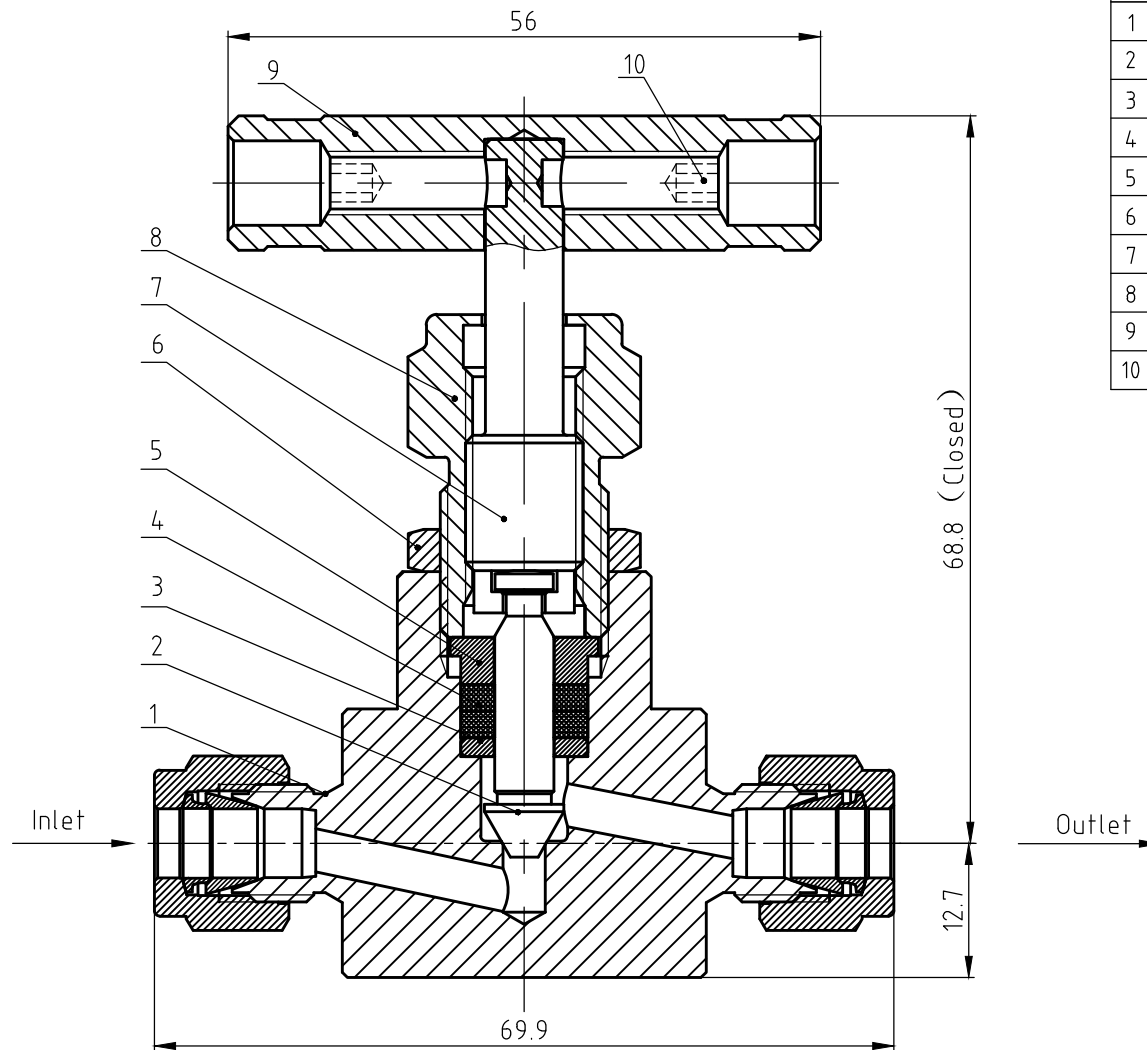
#### Technical Data:

|              |            |
|--------------|------------|
| Orifice Size | 6mm        |
| Inlet Size   | 1/4 NPT    |
| Outlet Size  | 1/4 NPT(F) |
| Cv           | 0.85       |
|              |            |
|              |            |
|              |            |
|              |            |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

|                |               |         |                          |          |        |
|----------------|---------------|---------|--------------------------|----------|--------|
|                |               |         |                          |          |        |
|                |               |         |                          |          |        |
|                |               |         |                          |          |        |
| A              | Jun.09, 2023  |         |                          |          | YES    |
| REV            | Revision Date | Created | Checked                  | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve             |          |        |
|                |               | Model   | NV2-NPT4-FNPT4-06-A1-316 |          |        |
| 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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

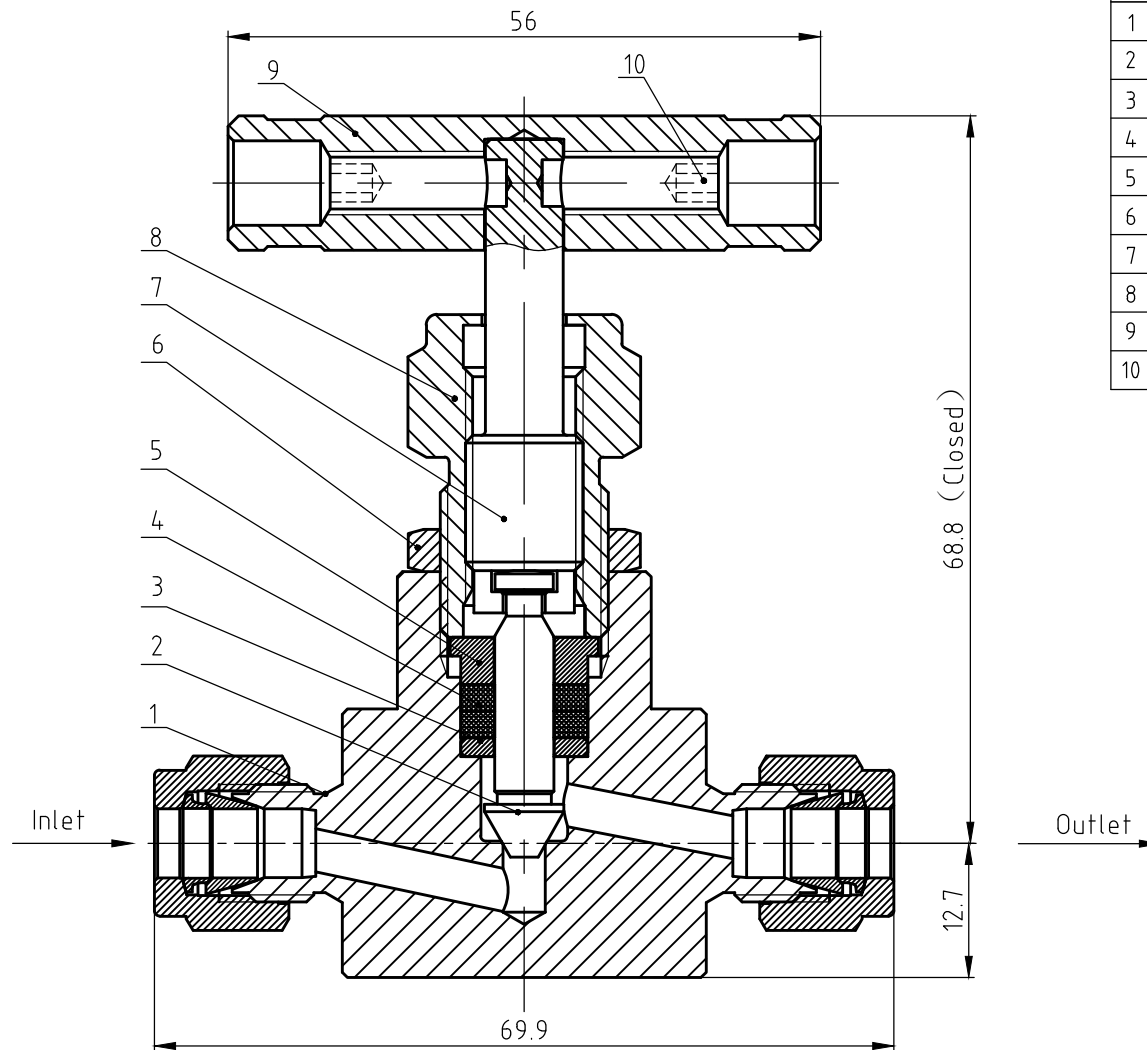
#### Technical Data:

|              |                  |
|--------------|------------------|
| Orifice Size | 4mm              |
| Inlet Size   | O.D $\phi 1/4''$ |
| Outlet Size  | O.D $\phi 1/4''$ |
| Cv           | 0.35             |
|              |                  |
|              |                  |
|              |                  |
|              |                  |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

|                |               |         |               |          |        |
|----------------|---------------|---------|---------------|----------|--------|
|                |               |         |               |          |        |
|                |               |         |               |          |        |
|                |               |         |               |          |        |
| A              | Apr.17, 2023  |         |               |          | YES    |
| REV            | Revision Date | Created | Checked       | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve  |          |        |
|                |               | Model   | NV2-F4-04-316 |          |        |
| 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   | Lower Stem  | 316 S.S./ASTM A479 |
| 3   | Gland       | 316 S.S./ASTM A479 |
| 4   | Packing     | PTFE/ASTM D1710    |
| 5   | Gland       | 316 S.S./ASTM A479 |
| 6   | Lock Nut    | 630 S.S./ASTM A564 |
| 7   | Upper Stem  | 316 S.S./ASTM A479 |
| 8   | Packing Nut | 316 S.S./ASTM A479 |
| 9   | Handle      | 6061/ASTM B211     |
| 10  | Screw       | Galvanized Steel   |

#### Technical Data:

|              |                  |
|--------------|------------------|
| Orifice Size | 4mm              |
| Inlet Size   | O.D $\phi 1/4''$ |
| Outlet Size  | O.D $\phi 1/4''$ |
| Cv           | 0.35             |
|              |                  |
|              |                  |
|              |                  |
|              |                  |

#### Pressure vs. Temperature Ratings:

| Temperature<br>°F (°C) | Working Pressure<br>psig (bar) | Temperature<br>°F (°C) | Working Pressure<br>psig (bar) |
|------------------------|--------------------------------|------------------------|--------------------------------|
| -65 (-53) to 100 (37)  | 10000 (689)                    |                        |                                |
| 200 (93)               | 9290 (640)                     |                        |                                |
| 300 (148)              | 8390 (578)                     |                        |                                |
| 400 (204)              | 7705 (531)                     |                        |                                |
| 450 (232)              | 7430 (512)                     |                        |                                |
|                        |                                |                        |                                |

|                |               |         |                |          |        |
|----------------|---------------|---------|----------------|----------|--------|
|                |               |         |                |          |        |
|                |               |         |                |          |        |
|                |               |         |                |          |        |
| A              | Mar.13, 2024  |         |                |          | YES    |
| REV            | Revision Date | Created | Checked        | Approved | Status |
| <b>CIR-LOK</b> |               | Title   | Needle Valve   |          |        |
|                |               | Model   | NV2-F4-04-316L |          |        |
| Format         | A4            | Unit    | mm             | View     |        |
| Scale          | Not 1:1       | Page    | 1 of 1         |          |        |