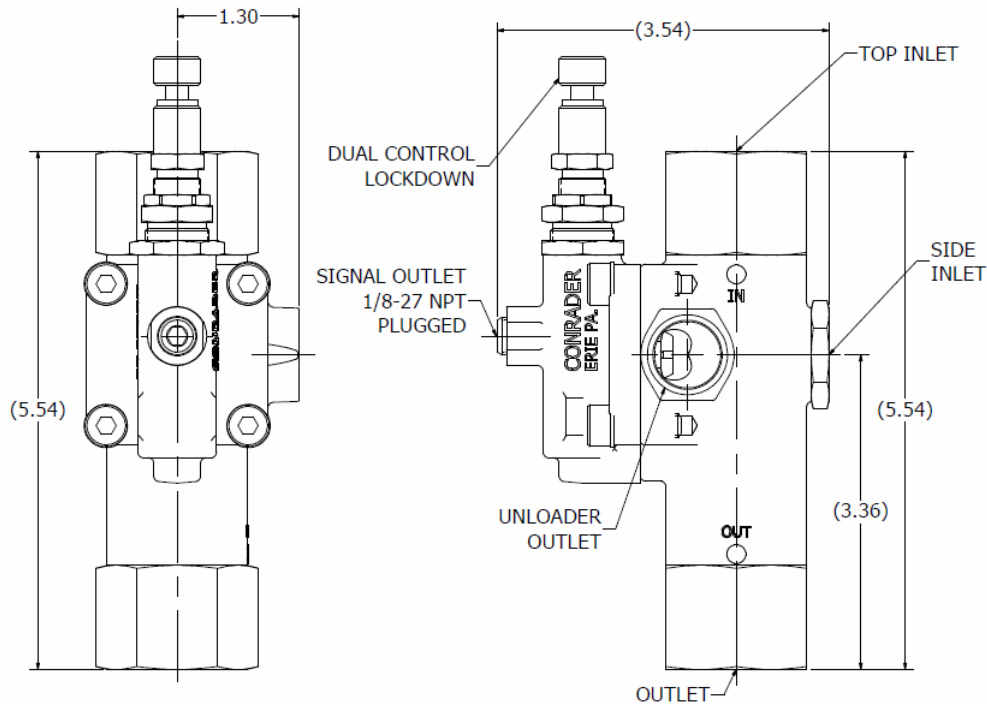




## Piloted Unloader Check Valve Model: NLDC-Series



\*Dimensions will vary with different connections and configurations.

### Operating Specifications:

**Unload Set Pressure Range: 40 to 250 psig**

**Set Pressure Differential Range: 10 to 50 psid**

**Operating Temperature Range: -65°F to 400°F**

**Max Flow Capacity: 60 SCFM @ 100 psig**

### Available Connections:

**Connection Sizes: 3/4" to 1-1/4" (-12 to -20)**

**Connection Types: NPT, BSPT, Compression, Inverted SAE Flare**

### Materials of Construction:

**Body/Fittings: Brass**

**O-Rings: Silicone/Viton**

**Poppets: Reinforced PTFE**

**Springs: Stainless Steel**



## Ordering Information

NLDC - 1 - M - P2 - SU3 - SA - SST - 90-120

| Configuration Number<br>See Available Configurations Below | Unloader Outlet |         | Additional Inlet Port |         | Start Unloader |         | Pilot Tamper Seal |         | Thread Sealant |         | Pressure Setting |
|--|-----------------|---------|-----------------------|---------|----------------|---------|-------------------|---------|----------------|---------|------------------|
|  | Option          | Code    | Option                | Code    | Option         | Code    | Option            | Code    | Option         | Code    |                  |
|  | None (Standard) | (Blank) | 1/8" NPT              | (Blank) | None           | (Blank) | None              | (Blank) | None           | (Blank) |                  |
|  | Muffler         | M       | 1/4" NPT              | P2      | SU3            | SU3     | Sealed            | SA      | White          | SST     |                  |
|  |                 |         |                       |         | SU4            | SU4     |                   |         |                |         |                  |

## Options

1. Configuration: Available configurations are listed on the following pages. If the configuration needed is not listed please contact us at [orders@conrader.com](mailto:orders@conrader.com)
2. Unloader Outlet
  - a. Muffler: The muffler comes standard and reduces the noise from the unloader.
  - b. Diffuser: The diffuser restricts the flow less than the muffler but creates more noise.
3. Additional Inlet Port
  - a. None: No additional port added.
  - b. 1/8" NPT: An 1/8" female NPT port installed on the opposite inlet port.
  - c. 1/4" NPT: An 1/4" female NPT port installed on the opposite inlet port.
4. Start Unloader: A valve that installs on the opposite inlet port and unloads the compressor during start up.
  - a. None: Start unloader will not be installed.
  - b. SU3: Start unloader with a Viton seal.
  - c. SU4: Start unloader with a brass seal.
5. Pilot Tamper Seal:
  - a. None: A seal will not be applied to the pilot adjustments.
  - b. Sealed: A blue tamper seal will be applied across the pilot adjustments.
6. Thread Sealant:
  - a. None
  - b. White colored thread sealant.
7. Pressure Setting: The desired pilot load and unload pressure settings.

| <b>Model</b>   | <b><u>Top Inlet Connection</u></b>               | <b><u>Side Inlet Connection</u></b>   | <b><u>Outlet Connection</u></b>           |
|----------------|--|---------------------------------------|---|
| <b>NLDC-1</b>  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT              | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT       |
| <b>NLDC-2</b>  | 3/4" (-12) COMPRESSION<br>1-18 UNS-2A            | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT       |
| <b>NLDC-3</b>  | 3/4" (-12) INVERTED SAE FLARE<br>1 1/16-16 UN-2B | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT       |
| <b>NLDC-4</b>  | 1" (-16) FEMALE NPT<br>1-11.5 NPT                | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT       |
| <b>NLDC-5</b>  |  |                                       |   |
| <b>NLDC-6</b>  | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT              | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) MALE NPT<br>3/4-14 NPT         |
| <b>NLDC-7</b>  | 3/4" (-12) COMPRESSION<br>1-18 UNS-2A            | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) MALE NPT<br>3/4-14 NPT         |
| <b>NLDC-8</b>  | 3/4" (-12) INVERTED SAE FLARE<br>1 1/16-16 UN-2B | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) MALE NPT<br>3/4-14 NPT         |
| <b>NLDC-9</b>  | 1" (-16) FEMALE NPT<br>1-11.5 NPT                | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 3/4" (-12) MALE NPT<br>3/4-14 NPT         |
| <b>NLDC-10</b> |  |                                       |   |
| <b>NLDC-11</b> | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT              | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) FEMALE NPT<br>1-11.5 NPT         |
| <b>NLDC-12</b> | 3/4" (-12) COMPRESSION<br>1-18 UNS-2A            | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) FEMALE NPT<br>1-11.5 NPT         |
| <b>NLDC-13</b> | 3/4" (-12) INVERTED SAE FLARE<br>1 1/16-16 UN-2B | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) FEMALE NPT<br>1-11.5 NPT         |
| <b>NLDC-14</b> | 1" (-16) FEMALE NPT<br>1-11.5 NPT                | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) FEMALE NPT<br>1-11.5 NPT         |
| <b>NLDC-15</b> |  |                                       |   |
| <b>NLDC-16</b> | 3/4" (-12) FEMALE NPT<br>3/4-14 NPT              | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) MALE NPT<br>1-11.5 NPT           |
| <b>NLDC-17</b> | 3/4" (-12) COMPRESSION<br>1-18 UNS-2A            | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) MALE NPT<br>1-11.5 NPT           |
| <b>NLDC-18</b> | 3/4" (-12) INVERTED SAE FLARE<br>1 1/16-16 UN-2B | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) MALE NPT<br>1-11.5 NPT           |
| <b>NLDC-19</b> | 1" (-16) FEMALE NPT<br>1-11.5 NPT                | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1" (-16) MALE NPT<br>1-11.5 NPT           |
| <b>NLDC-20</b> | 1 1/4" (-20) FEMALE NPT<br>1 1/4-11.5 NPT        | 1/8" (-2) FEMALE NPT<br>OR P2 OPTION  | 1 1/4" (-20) FEMALE NPT<br>1 1/4-11.5 NPT |
| <b>NLDC-21</b> | 1" (-16) FEMALE BSPT<br>Rc 1-11 (BSPT)           | 1/8" (-2) FEMALE BSPT<br>OR P2 OPTION | 1" (-16) FEMALE BSPT<br>Rc 1-11 (BSPT)    |
| <b>NLDC-22</b> | 3/4" (-12) FEMALE BSPT<br>Rc 3/4-14 (BSPT)       | 1/8" (-2) FEMALE BSPT<br>OR P2 OPTION | 3/4" (-12) MALE BSPT<br>R 3/4-14 (BSPT)   |