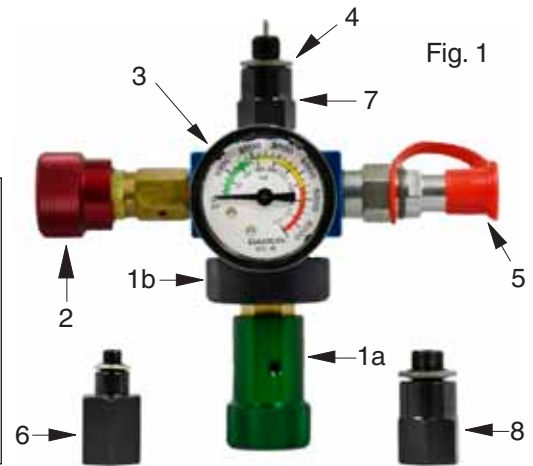


Features

- DADCO's Adjustable Pressure Analyzer includes three interchangeable bits designed to work with the greatest range of DADCO Nitrogen Gas Springs.
- Quick and easy tool for charging, discharging and gauging the pressure in DADCO's Mini, U (with the exception of the U.0175, U.0325 and U.0400) and Large Series Nitrogen Gas Springs.
- DADCO's interchangeable bits are engineered to work specifically with DADCO's ports, allowing the valves to be opened without damage.
- When not in use, thread all bits onto the depressor end for convenient storage (Fig.2).



Components

1. Valve Depressor (90.315.505)
Includes Valve Depressor Knob [1a]
& Port Engagement Knob [1b]
2. Bleed Valve (BV-4G)

3. High Pressure Gauge (DPG-3R)
4. Face Seal
5. Male Quick Disconnect (90.310.110)

Interchangeable Bits:

6. M6 Thread (90.315.501)
7. G 1/8 BSPP (90.315.502)
8. G 1/8 BSPP (90.315.504)

Operation

Please follow the guidelines below for proper operation:

Charging:

Note: Do not use 90.315.5 to charge Micro Series Nitrogen Gas Springs.

- Be sure the valve depressor knob [1a] is fully retracted (CCW) and the bleed valve [2] is closed (CW).
- Determine the appropriate bit to use. Mini (L/LJ) Series, U.600 - U.2600 and 90.10.00170 Gas Springs use the M6 Thread (90.315.501); Large (U.4600- 20000, UH, UT, 90.5B2, 90.8, 90.10RX and 90.10.00500-10000) Series Gas Springs manufactured after week 49 of 2004 (md4904) and SC Series Gas Springs manufactured after week 43 of 2004 (md4304) use the G1/8 BSPP (90.315.504); prior models use G 1/8 BSPP (90.315.502). Verify the manufacture date on the Large Series cylinders before use.
- Thread the appropriate interchangeable bit [6,7 or 8] onto the 90.315.5 Adjustable Pressure Analyzer.
- Fasten the bit [6,7 or 8] into the gas spring port by rotating the port engagement knob [1b] (CW) until it is tight against the face seal [4].
- Connect a quick disconnect charging assembly to the male quick disconnect [5].
- Open the nitrogen supply and verify the charging pressure on the regulator gauge [3] is correct.
- Tighten the valve depressor knob [1a] (CW) until you feel resistance, then back off a half turn (CCW). When the valve is open, there will be a sound indicating a pressure change in the cylinder.
- When the pressure in the cylinder reaches the desired charging pressure, close the nitrogen supply. Disconnect the charging assembly from the male quick disconnect [5].
- Retract the valve depressor knob (CCW) [1a].
- Bleed off the excess pressure in the 90.315.5 using the bleed valve [2].
- Unfasten the 90.315.5 from the gas spring using the port engagement knob [1b].

Gauging:

Note: The 90.315.5 is not recommended for gauging pressure in short stroke nitrogen gas springs (<25 mm stroke) or in Micro Series Nitrogen Gas Springs because it will reduce the pressure in the cylinder.

- Repeat steps A – D above.
- Extend the valve depressor by rotating (CW) the valve depressor knob [1] until the gauge [3] reads the pressure in the cylinder.
- Retract the valve depressor by rotating it (CCW). Bleed the sampling pressure by opening the bleed valve [2].

Discharging:

- Repeat steps A – D above.
- Extend the valve depressor knob [1a] by rotating (CW) until the gauge [3] reads the pressure. Slowly open the bleed valve [2] to discharge pressure from spring until desired pressure is shown on the gauge [3].