

Nitrogen Gas Spring Pressure Indicator

DADCO offers an optional Pressure Indicator for a variety of Nitrogen Gas Spring models. This indicator is preset and installed in a special G 1/8 port and designates that the gas spring pressure in the cylinder is above the preset value. The charging pressure must be a minimum of 20 bar/2 MPa above the preset value when the indicator is installed; refer to ordering example. The Pressure Indicator requires manual reset upon recharging, see page 2.

Refer to the tables below for the availability of the additional Pressure Indicator; contact DADCO for more information.

UT / UH / UX Series

Models	400	600	800	1000	1600	2600	4600	6600	9600
Available	N/A	N/A	N/A	✓	✓	✓	✓	✓	✓

90.8 / 90.10 Series

Models	00500	00750	01500	03000	05000	07500	10000
Available	N/A	✓	✓	✓	✓	✓	✓



Operation

The Pressure Indicator provides a visual signal of the pressure status of a DADCO Nitrogen Gas Spring. It ships installed in the gas spring and is marked with the predetermined pressure that is monitored. When green is visible it confirms that the nitrogen pressure is above the desired monitored value. When red is visible it indicates that the pressure has dropped below the desired monitored value.

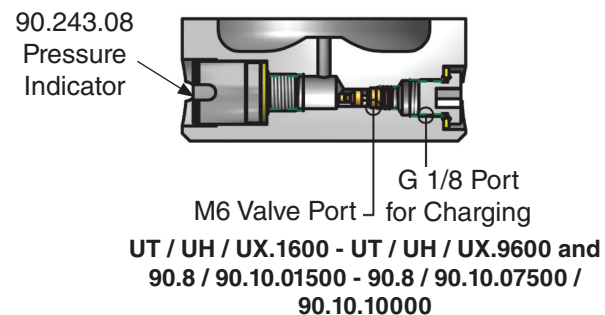
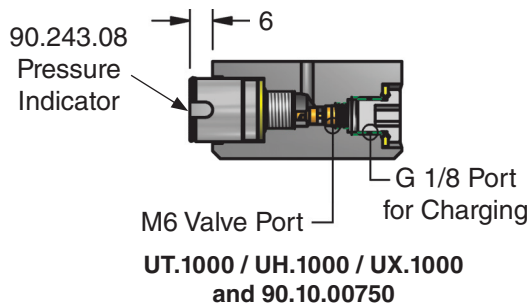


The Pressure Indicator is available in one pressure rating.

Pressure Conversion

8 MPa	80 bar	1160 psi
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Typical Port Arrangement



Ordering Example

Cylinder with Indicator:

Model	Stroke	Mount	Operating System	Charging Pressure (bar)
UT.1000	025	RM	CI08	100 100 MIN 150 MAX

Part Number

Includes Series, Stroke Length and Mount Option (refer to product catalogs for more information).

Self-contained with Pressure Indicator. CI08 = 8 MPa

Must be charged at a minimum of 20 bar/2 MPa above the preset Pressure Indicator value.

CAUTION: Always wear safety goggles when performing any maintenance work.

Resetting the Pressure Indicator



1. When the nitrogen pressure in the gas spring is below the predetermined level the Pressure Indicator displays red. The indicator cannot be reset until the gas spring is charged.
2. Charge the gas spring with nitrogen gas to the predetermined level, refer to Page 1 for more information. Once charged, the Pressure Indicator can be reset by sliding the indicator until it displays green. The indicator will click into place.

Removing the Pressure Indicator

Discharge all nitrogen pressure before removing the Pressure Indicator, refer to the gas spring maintenance instructions for more information.



1. To remove the Pressure Indicator from the gas spring you will need a Pressure Indicator Removal Tool, 90.243.RT, and a 5 mm allen wrench.
2. Place the removal tool over the Pressure Indicator and align the teeth of the removal tool with the grooves of the indicator. Use the allen wrench to turn the removal tool, loosening the indicator from the gas spring.
3. Remove the Pressure Indicator with the tool from the gas spring. You can now install a new indicator into the gas spring.
Note: The Pressure Indicator cannot be adjusted manually; they are preset at the factory.

Pressure Indicator - Factory Preset

90.243.08 (8 MPa)

For replacement purposes. Other factory presets may be available, contact DADCO for more information.



Pressure Indicator Removal Tool

90.243.RT

Use the Pressure Indicator Removal Tool to remove and install the Pressure Indicator.

