

MAXIMATOR®

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High Pressure Technology • Testing Equipment
Hydraulics • Pneumatics

Nitrogen Charging Cylinder Trolley Unit



Mobile gas booster cylinder trolley for N₂-charging applications

Release 10 / 2016 • MAXIMATOR • Product information N₂ Charging Cylinder Trolley Unit

Application

This MAXIMATOR Nitrogen Charging gas booster cylinder trolley units are specially designed for boosting of nitrogen or compressed air of up to 750 bar for testing applications of oxygen systems with nitrogen as well as charging of chock absorbers, hydraulic accumulators and to top up nitrogen-filled actuators in aircrafts.

The gas booster unit is prepared to be equipped with a nitrogen cylinder and can empty this cylinders down to approx. 15 bar.

Features

- Working pressure up to 750 bar
- 3.1 calibrated gauges and transducers on request
- Operating medium nitrogen / compressed air
- Precised pressure regulation on request
- Extensive range of accessories available
- Compressed air and nitrogen as drive source possible

Please consult factory for more information. All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.

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Technical Data

Product Information

Type: Nitrogen Charging cylinder trolley booster unit
available pressure ratios: 1:15 up to 1:75

Dimensions and Weight

Dimensions (WxDxH): 600 x 1150 x 1360 mm
Weight: 72 kg

Working Pressure and Medium

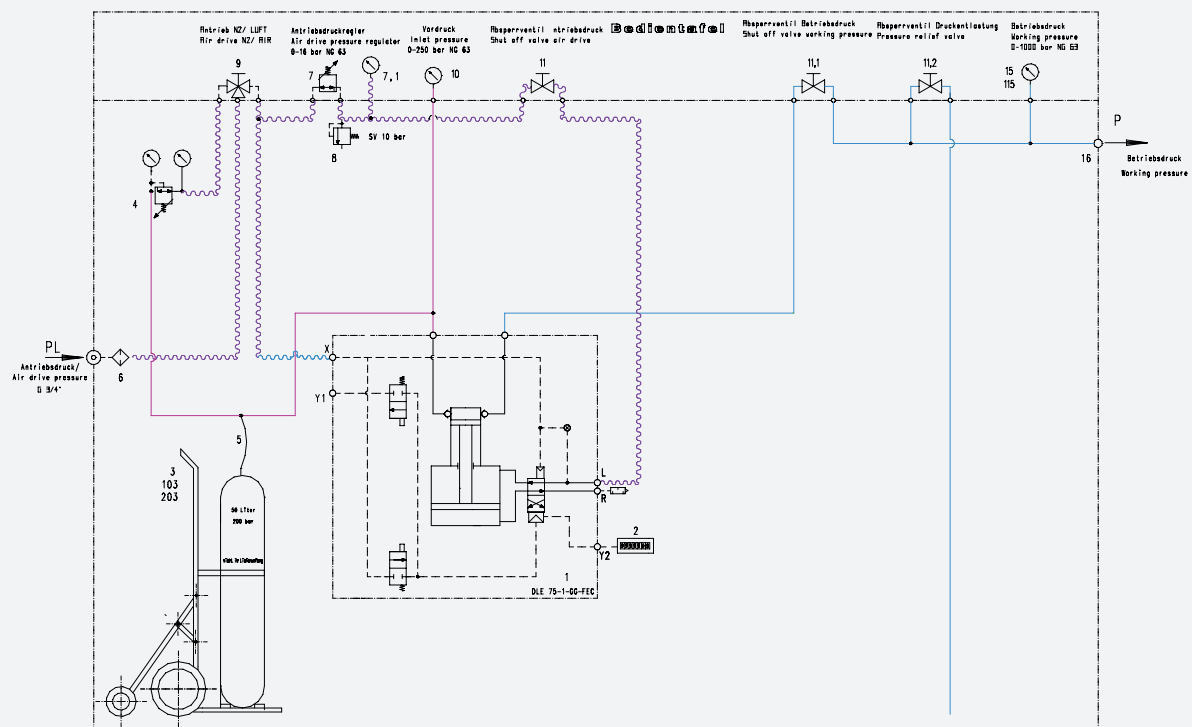
working pressure p_B : up to 750 bar
Air drive pressure: min. 1 bar / max. 10 bar
Gas: Nitrogen / Compressed air*

Connections

Pressure inlet p_L : BSP 3/4"
Pressure outlet p_B : 4M 7/16-28 UNF

* other operating media on request

Typical P&ID



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Nitrogen Charging Unit for gas bottle installation



Mobile gas booster station for N₂-charging applications

Application

This MAXIMATOR Nitrogen Charging Unit is specially designed for boosting of nitrogen directly from gas cylinders of up to 500 bar for testing applications of oxygen systems with nitrogen as well as charging of chock absorbers, hydraulic accumulators and to top up nitrogen-filled actuators in aircrafts.

The station can be operated with both compressed air and also directly with nitrogen from a gas cylinder, thereby offering maximum mobility.

Features

- Working pressure up to 500 bar
- 3.1 calibrated gauges and transducers
- Operating medium nitrogen
- Extensive range of accessories available
- Compressed air and nitrogen as drive source possible
- Stable flight case for safe transport

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Technical Data

Product Information

Type: Nitrogen Charging Station for gas bottle installation
available pressure ratios: 1:15 up to 1:75

Dimensions and Weight

Dimensions (WxDxH): 450 x 550 x 500 mm
Dimension Case (WxDxH): 810 x 670 x 760 mm
Weight: 29 kg
Weight incl. Case: 62 kg

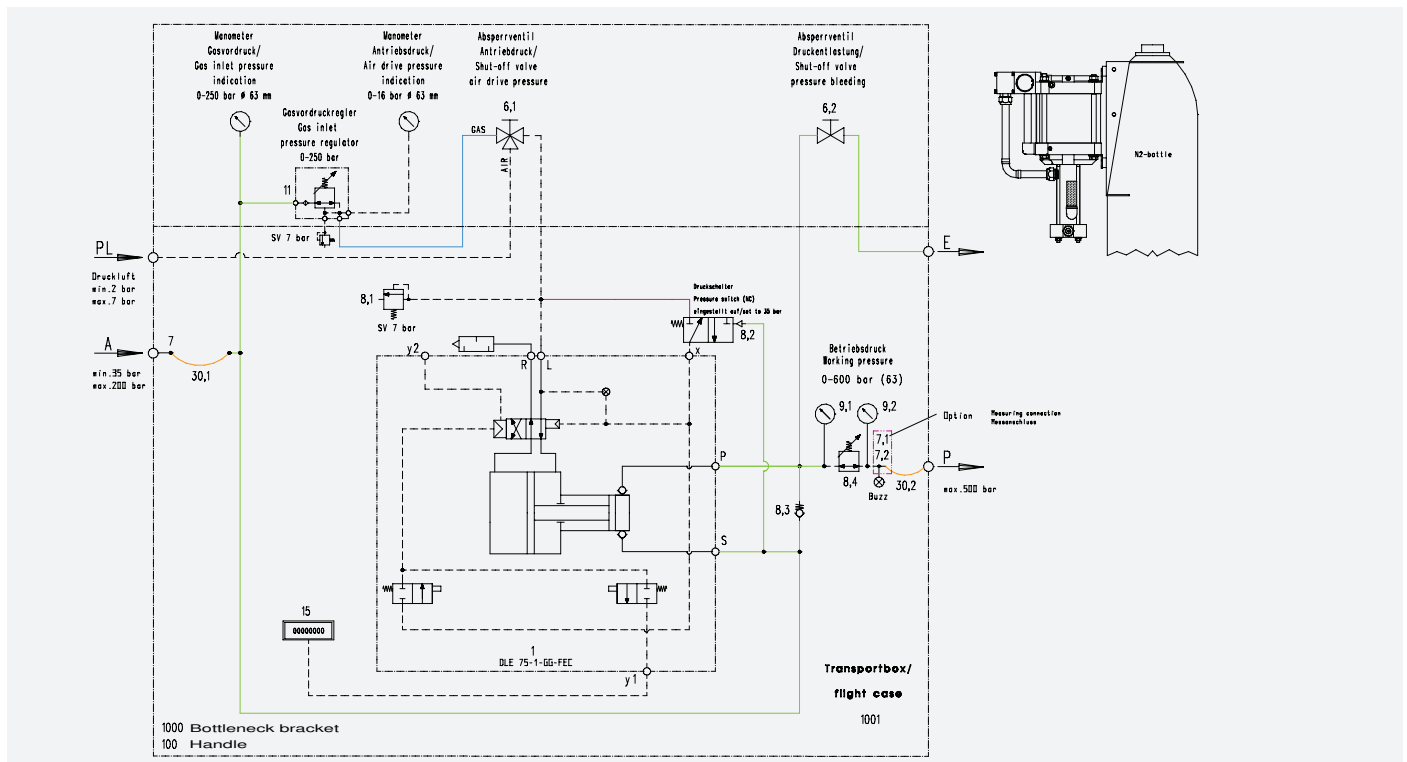
Working Pressure and Medium

regulated working pressure p_B : 14 - 500 bar
Air drive pressure: min. 1 bar / max. 7 bar
Gas: Nitrogen
(other medium on request)

Connections

Pressure inlet p_L / p_A : BSP 1/2" / M16x1,5 (8S)
Pressure outlet p_B : M16x1,5 (8S)

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Nitrogen Charging Pushcart Type GL 1600



Mobile gas booster pushcart for N₂-charging applications

Release 10 / 2016 • MAXIMATOR • Product information N₂ Charging Pushcart Type GL 1600

Application

This MAXIMATOR Nitrogen Charging gas booster pushcarts are specially designed for boosting of nitrogen or compressed air of up to 600 bar for testing applications of oxygen systems with nitrogen as well as charging of chock absorbers, hydraulic accumulators and to top up nitrogen-filled actuators in aircrafts.

The gas booster unit typically uses Nitrogen from a gas cylinder and can empty this cylinders down to approx. 15 bar.

Features

- Working pressure up to 600 bar
- 3.1 calibrated gauges and transducers on request
- Operating medium nitrogen / compressed air
- Precised pressure regulation on request
- Extensive range of accessories available
- Compressed air and nitrogen as drive source possible

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Technical Data

Product Information

Type: Nitrogen Charging Pushcart booster unit
Type GL1600
available pressure ratios: 1:15 up to 1:75

Dimensions and Weight

Dimensions (WxDxH): 600 x 650 x 1200 mm
Weight: 65 kg

Working Pressure and Medium

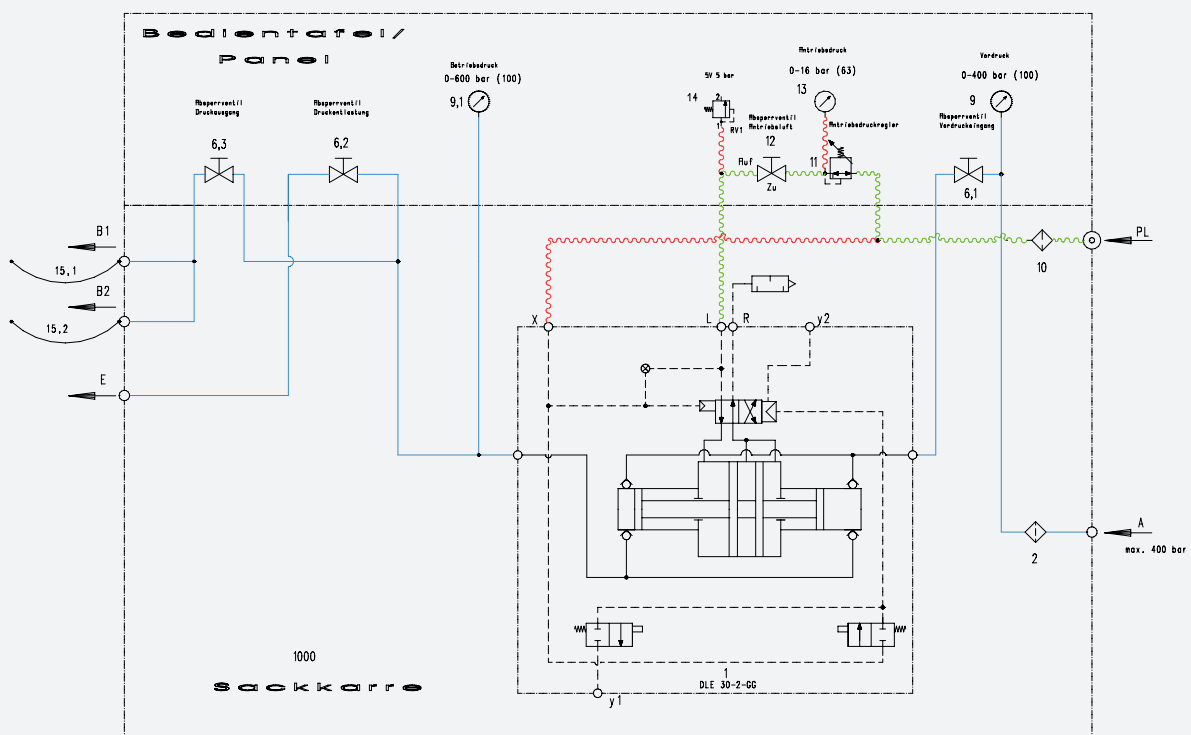
working pressure p_B : up to 600 bar
Air drive pressure: min. 1 bar / max. 10 bar
Gas: Nitrogen / Compressed air*

Connections

Pressure inlet p_L / p_A : BSP 1/2"
Pressure outlet p_B : BSP 1/4"

* other operating media on request

Typical P&ID



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Nitrogen Charging Unit Desk-Console Type



Release 10 / 2016 • MAXIMATOR • Product information N₂ Charging Desk-Console Type

Gas booster unit desk-console type for N₂-charging and testing applications

Application

This MAXIMATOR Nitrogen Charging gas booster unit is included in a desk-console and specially designed for boosting of nitrogen or compressed air of up to 400 bar mainly for testing applications. For this purpose, the gas booster fills an internal accumulator up to approx. 420 bar. But also charging of chock absorbers, on-board accumulators or hydraulic accumulators with nitrogen can be performed due to the precise pressure regulation.

The gas booster unit typically uses Nitrogen from a gas cylinder and can empty this cylinders down to approx. 15 bar.

Features

- Working pressure up to 400 bar
- 3.1 calibrated gauges and transducers on request
- Operating medium nitrogen / compressed air
- Precised pressure regulation
- Extensive range of accessories available
- Compressed air and nitrogen as drive source possible

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Technical Data

Type:	Nitrogen Charging gas booster unit Desk-Console Type
available pressure ratios:	1:15 up to 1:150

working pressure p_B :	up to 420 bar
Air drive pressure:	min. 1 bar / max. 10 bar
Gas:	Nitrogen / Compressed air*

Dimensions (WxDxH): 720 x 550 x 1230 mm
Weight: 205 kg

Pressure inlet p_L / p_A : BSP 1/2"
Pressure outlet p_B : BSP 1/4"

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