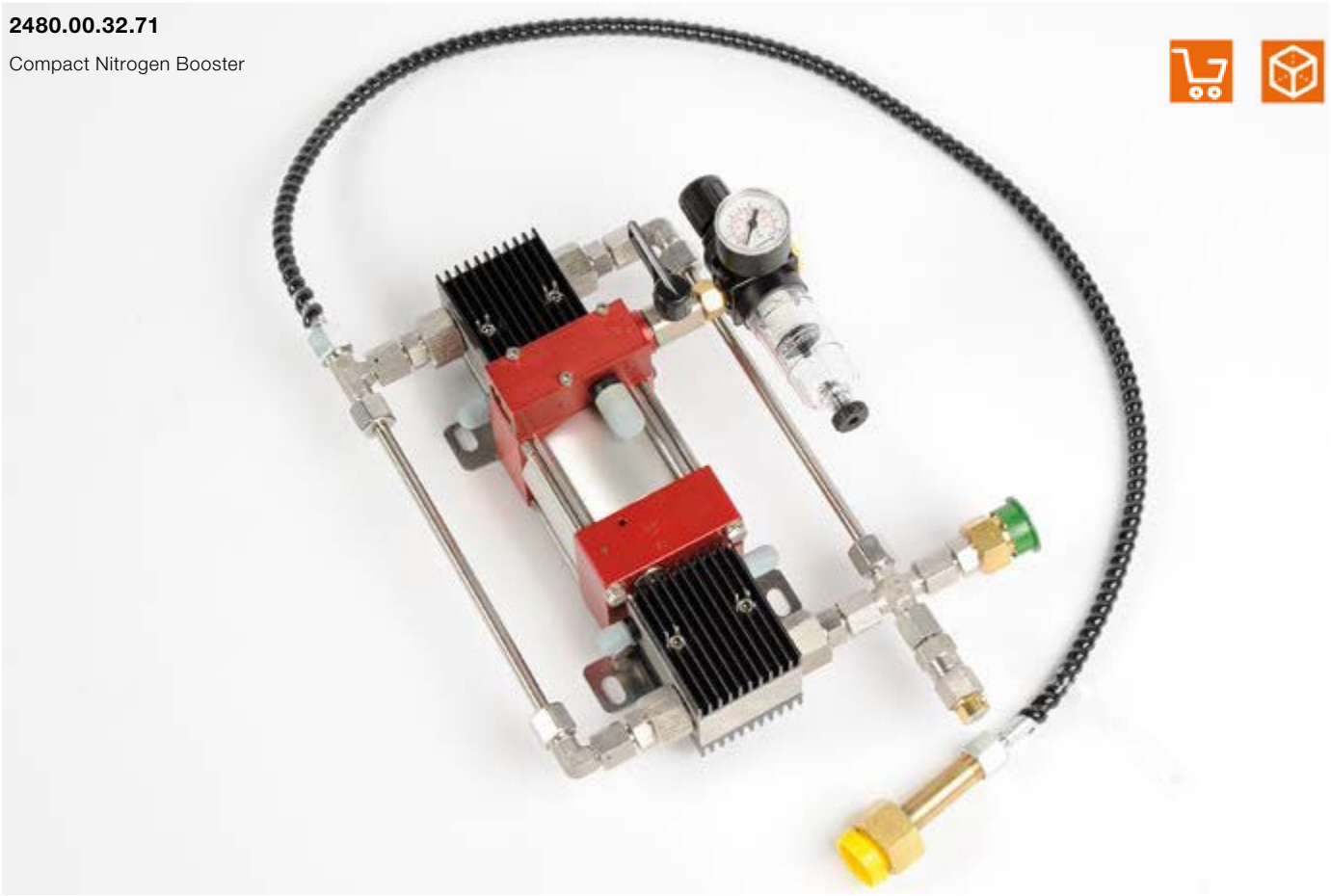
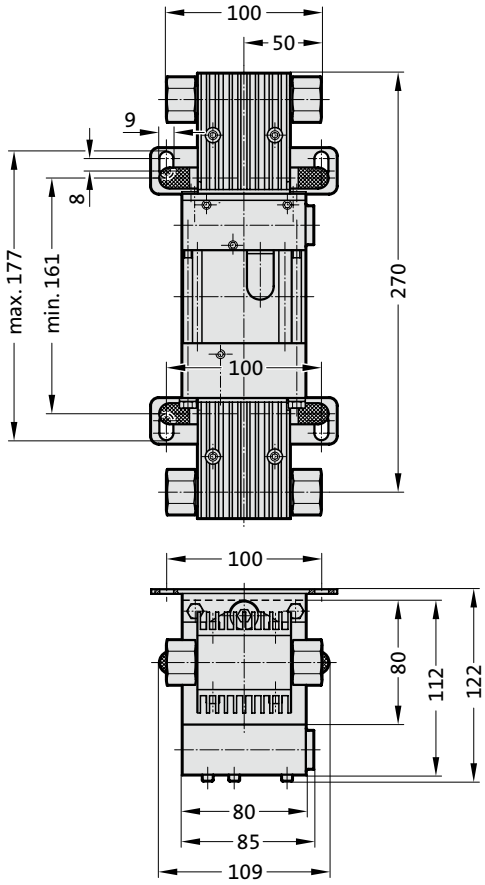
COMPACT NITROGEN BOOSTER

2480.00.32.71

Compact Nitrogen Booster



2480.00.32.71



Description:

The FIBRO compact nitrogen booster 2480.00.32.71 was developed to compress nitrogen gas. It increases the output pressure of the nitrogen cylinders considerably. For example, when filling gas springs, the N_2 cylinders can be used up to a residual pressure of 30 bar.

Advantages:

- Increase in utilisation capacity
- Reduction in cylinder replacement time
- Minimisation of the number of cylinders
- Light weight (7.2 kg)
- Compact design
- Suitable for simple installation directly on all standard nitrogen cylinders (200 bar)

Function:

The FIBRO compact nitrogen booster works according to the principle of a pressure relay valve. Low pressure is applied to a large surface, which in turns applies high pressure to a small surface.
Continuous delivery is achieved by means of an internally actuated 4/2-way valve. Compressed air is used as the drive mechanism.
A holding plate is included to secure the compact nitrogen booster to the nitrogen cylinder. The compact nitrogen booster is simply hung over the nitrogen cylinder connection.

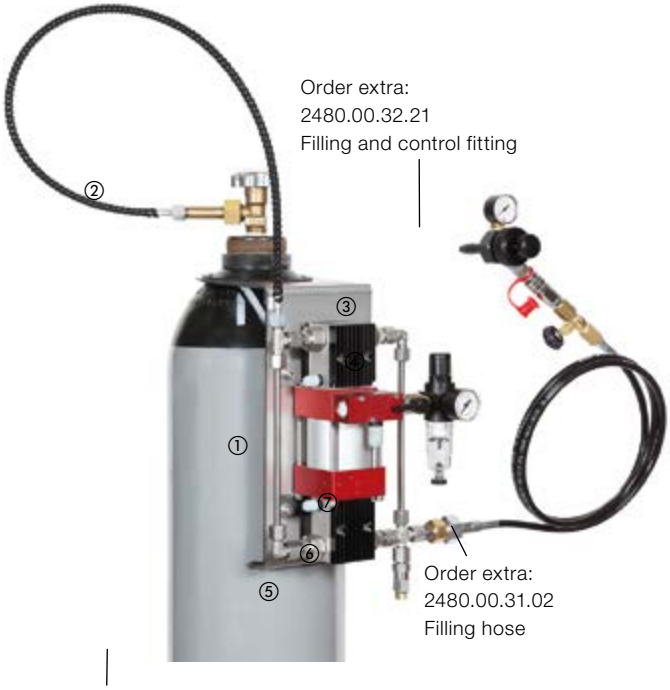
COMPACT NITROGEN BOOSTER
HOLDING PLATE

2480.00.32.71.02 Holding plate

for re-order

Connection diagram

Compact Nitrogen Booster



① 2480.00.32.71 Compact Nitrogen Booster
② Gas cylinder connection W24, 32 x 1/14 for 200 bar nitrogen cylinder
③ Nitrogen N_2 inlet
④ Compressed air inlet G1/4 max. 10 bar
⑤ Overpressure protection 400 bar
⑥ Nitrogen N_2 outlet⑦ Connecting thread W24, 32 x 1/14

Technical data:

Drive compressed air: 1 – 6 bar
Calculated operating pressure at 6 bar air drive pressure: 192 bar + remaining pressure in the nitrogen cylinder
Transmission ratio: 1:32
Displaced volume/double stroke: 11.6 cm^3

Connections:

Compressed air: G1/4" thread
Nitrogen inlet: Hose DN4, 1 m long with N_2 cylinder connection 200 bar
Nitrogen outlet: N_2 cylinder connection 200 bar W24, 32 x 1/14
Max. operating temperature: 60 °C
Weight: approx. 7.2 kg
Inlet pressure: 30-300 bar
Average supply rate*: 280 NL/min

* The delivery rate is dependent on the air drive and inlet pressure.

2480.00.32.71.02