USES:
The purpose of TOP INDUSTRIE boosters is to increase the pressure of a gas. They work for gases entering the booster with a minimal pressure of at least 25 bar, and can increase the pressure at exit point to up to 3500 bar. Both one stage and two stage boosters exist. A special version which is suitable for use with hydrogen is also available. Electric versions of these devices exist with a slightly higher flow capacity.

FEATURES:
- Air consumption 70 Nm3 / h. max.
- Maximum speed 100 strokes / min.
- 1000 bar cylindrical head: 4,54 cm3.
- 3500 bar cylindrical head: 1,53 cm3.
- Delivered with a filter regulator-lubricator (FRL) for compressed air.
- Weight 1 head: 34 kg.; 2 heads: 51 kg
- 1 / 8” or 1 / 4” HP Tubing.
- Air entry connexion: 1 / 2” Gas.

DIAGRAM OF MINIMAL CIRCUIT REQUIRED TO INSTALL BOOSTER

<table>
<thead>
<tr>
<th>MAXIMAL PRESSURE (bar)</th>
<th>NUMBER TIER</th>
<th>NUMBER OF HEADS</th>
<th>ASPIRATION PRESSURE (bar)</th>
<th>HYDROGEN REFERENCE</th>
<th>STANDARD REFERENCE</th>
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</table>

- Gas is not contaminated thanks to stainless steel double membrane.
- All parts of the booster which come into contact with the gas are made from stainless steel.
- For use for all inert gases (hydrogen is optional).
- Maximal air pressure: 6 bar.
- Optimal performance when air pressure is 4.5 bar.
- The piston is operated according to pneumatic logic, (anti-deflagrating)
- Equipped with an independent command button which allows the booster to be turned on or off without intervening on the FRL or having to interrupt the air supply.
- Working speed can be varied whatever the compressed air pressure
- Each membrane head is protected from excess pressure by a safety valve.
- We recommend that a filter (Ref No 920 90 00) be used at the booster entrance.

OTHER OPTIONS:
- Command unit which controls the booster and allows pressure to be regulated between 2 selected values
- Programming unit for one or more pressure ramp slopes and one or more tiers
The rates at which pressure increases, have been measured using 70 cm³ of nitrogen at 20°C

In view of possible technological advances in our production methods, the products described in this manual are liable to be modified without prior notice.