ACETYLENE GENERATORS

GLOOR acetylene generators ensure an independent and inexpensive gas supply and are everywhere an inexpensive alternative to dissolved acetylene gas in cylinders, where there is no regular gas supply or where there are high transport and supply costs for the cylinders from the filling station. The acetylene generators offer a high safety standard and are easy and convenient to use.

Advantages at a glance:
- Simple and robust design with protected arrangement of the fittings
- Fully-automatic operation. The control valve ensures a gasification according to consumption and prevents all secondary gasification.
- Highly stable working pressure, which can be regulated with the control valve if necessary
- Gasification of coarse-lump carbide of 50/80 mm particle size provides the highest gas yield and low-price purchase of carbide
- Ready for operation at all times and everywhere, easy to transport and absolutely odourless.

Economical production of gas
The gas produced in the generator is very favourably priced. Moreover there is no inconvenience and costs for cylinder transport and maintenance.

Wide range of applications
The acetylene generator is suitable for hard and soft soldering work and - in combination with oxygen - for all welding and cutting operations. All normal welding, cutting and soldering torches can be used without difficulty.

Technically perfect design
The generators are extremely robust and ensure trouble-free operation. They are made of thick steel sheet and are hot galvanized (no wear). The generating chamber and the gas container are separated and can be closed by stop-cocks. Thus no harmful air space can occur on re-charging. Work can immediately be resumed and this with pure gas.

A special advantage is the removable sludge trap. The generator water is conveniently filled here and the carbide sludge collects here after gasification.

GLOOR generators have proved to be a success in practice and comply with the official regulations regarding construction and safety.
The ideal small generator, lightweight, handy to use, yet nevertheless very efficient. This is the favourite assembly-generator for intermittent use and is particularly suitable for smaller repair shops.

The name itself implies what they are: all-purpose generators for workshop and assembly. These generators are very efficient and even with the most intensive welding and cutting operations the pressure remains absolutely constant. They are the preferred models for regular workshop use.

These models are built to cope with the demands of continuous workshop operation. Normally one of the generators is in operation, the other being kept in reserve. The changeover can be made in a few seconds and the empty generator is then re-charged while work continues. The TRIUMPH generators are well-known for their absolutely uniform working pressure and are suitable for the connection of several work places.

### Technical data

It should be ensured that only coarse-lump carbide of particle size 50/80 mm is used and that the carbide is free of contamination. One kilo of high purity carbide produces approx. 300 l of acetylene. The hourly output specified below is for continuous use. For brief use higher outputs of acetylene can also be delivered, which is indicated by the higher output per quarter-hour.

<table>
<thead>
<tr>
<th>model</th>
<th>carbide filling</th>
<th>output per hour</th>
<th>output per quarter-hour</th>
<th>diameter</th>
<th>height</th>
<th>weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIX</td>
<td>2,5 kg</td>
<td>1000 l</td>
<td>500 l</td>
<td>30 cm</td>
<td>95 cm</td>
<td>36 kg</td>
</tr>
<tr>
<td>UNIVERSAL I</td>
<td>4 kg</td>
<td>2000 l</td>
<td>1000 l</td>
<td>36 cm</td>
<td>108 cm</td>
<td>54 kg</td>
</tr>
<tr>
<td>UNIVERSAL II</td>
<td>6 kg</td>
<td>2500 l</td>
<td>1200 l</td>
<td>42 cm</td>
<td>120 cm</td>
<td>70 kg</td>
</tr>
<tr>
<td>TRIUMPH I</td>
<td>2 x 5 kg</td>
<td>3000 l</td>
<td>1500 l</td>
<td>1 x 40 cm</td>
<td>2 x 25 cm</td>
<td>130 cm</td>
</tr>
<tr>
<td>TRIUMPH III</td>
<td>2 x 10 kg</td>
<td>3500 l</td>
<td>1700 l</td>
<td>1 x 45 cm</td>
<td>2 x 32 cm</td>
<td>145 cm</td>
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