COMPACT ELECTRIC DRIVEN GAS BOOSTER
RATED UP TO 10,000-PSI (690 BAR)

Series 2G Electric Driven Booster package is ideal for filling or topping off low-pressure and high-pressure bottles. Its two-stage and double acting design uses NO Belts or Pulleys, making it the quietest Electric Driven Booster in its class; only 60 dBA. Air cooled thru its gas barrels inside cooling sleeves reducing the heat of compression for long seal life.

SERIES 2G

SPECIFICATIONS:

- **Dimensions:** 11.5” H x 22” D x 32” W
- **Weight:** 145 Pounds (65.9 Kg)
- **Ports (Inlet/Outlet):** 37º Flare 1/4”
- **Max. Outlet Pressure:** 10,000-PSI (690 BAR)
- **Motor:** 2-HP @ 1750 RPM
- **Low Noise Level:** 60 dBA
- **INPUTS:***
  - 115 VAC, 24 Amps, 1-Phase, 60 HZ
  - 220 VAC, 12 Amps, 1-Phase, 60 HZ
  - 230 VAC, 6.8 Amps, 3-Phase, 60 HZ
  - 460 VAC, 3.4 Amps, 3-Phase, 60 HZ
  - 380 VAC, 3.6 Amps, 3-Phase, 50 HZ
- **Operating Speed:** 45 cycles/minute (CPM)
  (Optional 72-CPM)

**Controls:**

- **Standard**
  - Adjustable High pressure Limit Switch pre-set to any pre-selected pressure up to 10,000-psi (690 bar) to automatically STOP the unit when the outlet pressure exceeds set point
  - Manual start & stop switch
  - Safety relief Valve
  - Inlet & outlet pressure gauges
  - 6-digit hour meter
  - Inlet & outlet 5-micron filters
  - Cooling Fan
- **Optional**
  - Remote start & stop switch with a 6-foot cord
  - Automatic STOP low pressure limit switch
  - Automatic STOP & RESTART low pressure limit switch
  - Automatic STOP & RESTART high pressure Limit switch
  - Two outlet pressure control settings
  - Oxygen cleaned to MIL-STD 1330D
  - Flow control inlet pressure regulator with full pressure bypass line
  - 4-port outlet manifold

**Model Selection Table**

<table>
<thead>
<tr>
<th>MODEL 2G-</th>
<th>Maximum Pressure PSI (Bar)</th>
<th>Minimum Gas Inlet Pressure-PSI (Bar)</th>
<th>Maximum Flow Rate-SCFM (NM3/MIN)</th>
<th>Maximum Cycle Rate (CPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inlet</td>
<td>Outlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWO STAGE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>730</td>
<td>185 (13)</td>
<td>3500 (241)</td>
<td>30 (2)</td>
<td>2.20 (0.06)</td>
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<tr>
<td>750</td>
<td>105 (7)</td>
<td>6000 (414)</td>
<td>30 (2)</td>
<td>1.20 (0.034)</td>
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<tr>
<td>1430</td>
<td>670 (46)</td>
<td>3500 (241)</td>
<td>60 (4)</td>
<td>4.00 (0.11)</td>
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<tr>
<td>1450</td>
<td>375 (26)</td>
<td>6000 (414)</td>
<td>60 (4)</td>
<td>2.30 (0.07)</td>
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<tr>
<td>3050</td>
<td>1900 (131)</td>
<td>6000 (414)</td>
<td>200 (14)</td>
<td>4.80 (0.14)</td>
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<tr>
<td>5092</td>
<td>3380 (233)</td>
<td>10,000 (690)</td>
<td>300 (21)</td>
<td>5.40 (0.15)</td>
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<tr>
<td>DOUBLE ACTING</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3030</td>
<td>3500 (241)</td>
<td>3500 (241)</td>
<td>200 (14)</td>
<td>16.00 (0.45)</td>
</tr>
<tr>
<td>5050</td>
<td>6000 (414)</td>
<td>6000 (414)</td>
<td>200 (14)</td>
<td>18.00 (0.51)</td>
</tr>
</tbody>
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  460 VAC, 3.4 Amps, 3-Phase. 60 HZ
  380 VAC, 3.6 Amps, 3-Phase, 50 HZ
- OPERATING SPEED: 45 cycles/minute (CPM) (Optional 72-CPM)

CONTROLS:
- STANDARD
  ■ Adjustable High pressure Limit Switch pre-set to any pre-selected pressure up to 10,000-psi (690 bar) to automatically STOP the unit when the outlet pressure exceeds set point
  ■ Manual start & stop switch
  ■ Safety relief Valve
  ■ Inlet & outlet pressure gauges
  ■ 6-digit hour meter
  ■ Inlet & outlet 5-micron filters
  ■ Cooling Fan
- OPTIONAL
  ■ Remote start & stop switch with a 6-foot cord
  ■ Automatic STOP low pressure limit switch
  ■ Automatic STOP & RESTART low pressure limit switch
  ■ Automatic STOP & RESTART high pressure Limit switch
  ■ Two outlet pressure control settings
  ■ Oxygen cleaned to MIL-STD 1330D
  ■ Flow control inlet pressure regulator with full pressure bypass line
  ■ 4-port outlet manifold

MODEL SELECTION TABLE:

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Pressure PSI (Bar)</th>
<th>Minimum Gas Inlet Pressure-PSI (Bar)</th>
<th>Volume Displacement per Cycle-cu-in (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2G-0730</td>
<td>185 (13)</td>
<td>30 (2)</td>
<td>5.01 (81.9)</td>
</tr>
<tr>
<td>2G-3030</td>
<td>3500 (241)</td>
<td>300 (20.7)</td>
<td>2.37 (38.8)</td>
</tr>
</tbody>
</table>

Flow Rate vs. cycle speed at 3500-psi outlet pressure

MODEL 2G-1430

Flow Rate vs. cycle speed at 3500-psi outlet pressure

MODEL 2G-8030