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 63 dBA. Air cooled with its integrated cooling fan reducing the heat of compression for long seal life.

**SERIES 2G**

![Image of SERIES 2G Electric Driven Booster](Image)

**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 Discharge Flow Rate @ 70-CPM SCFM (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0714</td>
<td>510 (35)</td>
<td>1,700 (117)</td>
<td>30 (2)</td>
</tr>
<tr>
<td>0730</td>
<td>220 (15)</td>
<td>4,500 (310)</td>
<td>30 (2)</td>
</tr>
<tr>
<td>0750</td>
<td>115 (8)</td>
<td>7,500 (517)</td>
<td>30 (2)</td>
</tr>
<tr>
<td>1430</td>
<td>820 (57)</td>
<td>4,100 (283)</td>
<td>80 (6)</td>
</tr>
<tr>
<td>1450</td>
<td>450 (31)</td>
<td>7,500 (517)</td>
<td>80 (6)</td>
</tr>
<tr>
<td>1492</td>
<td>250 (17)</td>
<td>14,500 (1000)</td>
<td>80 (6)</td>
</tr>
<tr>
<td>3050</td>
<td>2,200 (152)</td>
<td>7,200 (497)</td>
<td>300 (21)</td>
</tr>
<tr>
<td>3092</td>
<td>1,300 (90)</td>
<td>14,000 (966)</td>
<td>300 (21)</td>
</tr>
<tr>
<td>5092</td>
<td>4,200 (290)</td>
<td>12,500 (862)</td>
<td>500 (34)</td>
</tr>
<tr>
<td>1414</td>
<td>1,500 (103)</td>
<td>1,500 (103)</td>
<td>80 (6)</td>
</tr>
<tr>
<td>3030</td>
<td>3,500 (241)</td>
<td>3,500 (241)</td>
<td>300 (21)</td>
</tr>
<tr>
<td>5050</td>
<td>6,000 (414)</td>
<td>6,000 (414)</td>
<td>500 (34)</td>
</tr>
<tr>
<td>9292</td>
<td>6,000 (414)</td>
<td>13,000 (897)</td>
<td>800 (55)</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS:**

- **MOTOR:** 2-HP, 1750/1440 RPM @ 60/50-Hz
- **WEIGHT:** 145-Lbs (65.9 Kg)
- **VOLTAGES:**
  - 115 VAC, 20.4 Amps, 1-Phase, 60/50 Hz
  - 220 VAC, 10.2 Amps, 1-Phase, 60/50 Hz
  - 230 VAC, 5.8 Amps, 3-Phase, 60/50 Hz
  - 460 VAC, 2.9 Amps, 3-Phase, 50 Hz
  - 380 VAC, 3.0 Amps, 3-Phase, 50 Hz
- **DIMENSIONS:** 37”L x 11.5”H x 22”D (940x292x559 mm)
- **LOW NOISE LEVEL:** 63 dBA
- **OPERATING SPEED:** 43, 70, 88, 115 Cycles/min (CPM)
  Optional: Variable Frequency Drive
- **PORTS (INLET/OUTLET):** 1/4” or 3/8” NPT or 37° Flare
- **MAX. OUTLET PRESSURE:** 14,500 PSI (1000 BAR)

**CONTROLS:**

- **STANDARD**
  - Automatic High Pressure Limit Switch set to STOP the booster when the gas outlet pressure exceeds set point
  - Manual Start & Stop Switch
  - Safety Relief Valve
  - Inlet & Outlet Pressure Gauges (dual Scale)
  - 6-Digit Hour Meter
  - Inlet & Outlet 5-Micron Filters
  - Cooling Fan
  - Outlet Shutoff Valve (Needle Type)
  - Bleed Valve (Needle Type)

- **OPTIONAL**
  - Automatic Low Pressure Limit Switch set to STOP & RESTART the booster when the gas inlet pressure drops below set point
  - Automatic High Pressure Limit Switch set to STOP & RESTART the booster when the gas outlet pressure exceeds set point
  - Remote Start & STOP Switch with 10-foot cord
  - Flow Control gas Inlet Pressure regulator with full pressure bypass line
  - Dual Outlet Pressure Control
  - 4-Port Outlet Manifold
  - Oxygen Cleaned to MIL-STD-1330D

**SERIES 2G Electric Driven Booster**

![Image of SERIES 2G Electric Driven Booster](Image)

**HYDRAULICS INTERNATIONAL, INC.® (HII)**
CHATSWORTH, CALIFORNIA
www.hiigroup.com  (818) 407-3400

Made in the U.S.A.

ISO 9001 & AS9100
OUTLET FLOW / SCFM / MIN

INLET GAS PRESSURE / PSI / BAR

115 cpm
80 cpm
70 cpm
43 cpm

INLET GAS PRESSURE - PSI (BAR)

PERFORMANCE CURVES

2G-5092

2G-0707

2G-1414

2G-3030

2G-5050

2G-9292

2G MODEL SELECTION SYSTEM

VOLTAGE
A  115 VAC, 24 amps, 1-Phase, 60/50 Hz
B  220 VAC, 12 amps, 1-Phase, 60/50 Hz
C  208/230 VAC, 3.4 amps, 3-Phase, 50 Hz
D  460 VAC, 3.4 amps, 3-Phase, 50 Hz
E  380 VAC, 5.0 amps, 3-Phase, 50 Hz

CONFIGURATION
0714 2-stage 3092 2-stage
0730 2-stage 5092 2-stage
0750 2-stage 0707 Double Acting
1430 2-stage 1414 Double Acting
1450 2-stage 3030 Double Acting
1492 2-stage 5050 Double Acting
3050 2-stage 9292 Double Acting

OPERATING SPEED
1  43-46 cycles/min
2  69-73 cycles/min
3  112-116 cycles/min
4  86-89 cycles/min
VFD Variable Frequency Drive w/Potentiometer

MODIFICATION
A  Auto start/stop - low pressure limit switch
B  Auto start/stop - high pressure limit switch
D0  Dual Outlet pressure control
M4  4-Port Outlet Manifold
MX4  4-Port Outlet Manifold with gauges, on/off and bleed valves
R  Remote start/stop switch with 10-foot cord
P  All vents connected to a common port (for O2 & H2 service)
PR  Pressure reducing regulator, check valve & relief valve
CID2  Class I Division II, Group B, C and D
1330 02 cleaned to MIL STD 13300
1730 Watertight Enclosure

NOTE: Adding any modification to standard 2G part number will change system to model HIHPG2-XXXXX followed by a 5-digit part number
AIR DRIVEN LIQUID PUMPS
- Self lubricating
- No electrical power needed
- Portable, lightweight and economical
- Wide range of models in 3”, 5 3/4” and 7” drive sizes
- Pressures up to 80,000 PSI (5517 BAR)
- All models are rated for plain water or oil
- Ideal for OEM applications

AIR DRIVEN GAS BOOSTERS
- Boosts pressure from 50 PSI (3.4 BAR) to 30,000 PSI (2068 BAR)
- Airline lubrication not required
- Lightweight, one-man portable
- Corrosion resistant including offshore environment
- Self-cooling using own exhaust air
- No electrical connections needed
- Wide range of models: single acting, double acting, two stage and double air drive configuration

AIR DRIVEN AIR PRESSURE AMPLIFIERS
- Boosting shop air to pneumatic tools, cylinders and devices
- Boosting shop air to drive high-pressure pneumatic diaphragm transfer pumps
- Boosting shop air to start oilfield and marine diesel engines
- Maximizing efficiency at pneumatic workstations or machinery
- Tire pressure top off on large mining vehicles
- Replace bottled nitrogen for gas testing, lab or production, up to 700 psi (48.3 BAR)

FLOWMETRICS
- Liquid Flowmeters - to 15,000 GPM (56,781 lit/min)
- Gas Flowmeters - to 15,000 CFM (425 Nm3/min)

COMPONENTS
- Check valves - up to 20,000 PSI (1379 BAR), up to 2”
- Needle valves - straight or angled to 5,000 PSI (345 BAR)
- In-line filters rated to 5,000 PSI (345 BAR), 3 to 25 micron
- Double acting hand pumps - to 3,000 PSI (207 BAR)
- Pressure relief valves - to 60,000 PSI (4137 BAR)

SYSTEMS
- Aircraft Ground Support Equipment (portable & stationary)
- Component Test Equipment
- Customer Designed Equipment
- Central Systems
- Commercial and Military Applications
- Self Propelled Aerial Lift Truck

Made in the U.S.A.