ELECTRIC DRIVEN BOOSTER SYSTEMS
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 with its integrated cooling fan reducing the heat of compression for long seal life.

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>Discharge Flow Rate @ 70-CPM SCFM (LPM)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Inlet</td>
<td>Outlet</td>
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<tr>
<td>TWO STAGE</td>
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<tr>
<td>0714</td>
<td>400 (28)</td>
<td>1400 (97)</td>
<td>30 (2)</td>
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<tr>
<td>0730</td>
<td>175 (12)</td>
<td>3500 (241)</td>
<td>30 (2)</td>
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<tr>
<td>0750</td>
<td>100 (7)</td>
<td>6000 (414)</td>
<td>30 (2)</td>
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<tr>
<td>1430</td>
<td>620 (43)</td>
<td>3500 (241)</td>
<td>80 (6)</td>
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<tr>
<td>1450</td>
<td>350 (24)</td>
<td>6000 (414)</td>
<td>80 (6)</td>
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<tr>
<td>1492</td>
<td>200 (14)</td>
<td>10,000 (690)</td>
<td>80 (6)</td>
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<tr>
<td>3050</td>
<td>1800 (124)</td>
<td>6000 (414)</td>
<td>300 (21)</td>
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<tr>
<td>3092</td>
<td>1000 (69)</td>
<td>10,000 (690)</td>
<td>300 (21)</td>
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<tr>
<td>5092</td>
<td>3200 (221)</td>
<td>10,000 (690)</td>
<td>500 (34)</td>
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<td>DOUBLE ACTING</td>
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<tr>
<td>0707</td>
<td>750 (52)</td>
<td>750 (52)</td>
<td>30 (2)</td>
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<tr>
<td>1414</td>
<td>1400 (97)</td>
<td>1400 (97)</td>
<td>80 (6)</td>
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<tr>
<td>3030</td>
<td>3500 (241)</td>
<td>3500 (241)</td>
<td>300 (21)</td>
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<tr>
<td>5050</td>
<td>6000 (414)</td>
<td>6000 (414)</td>
<td>500 (34)</td>
</tr>
<tr>
<td>9292</td>
<td>10,000 (690)</td>
<td>10,000 (690)</td>
<td>800 (55)</td>
</tr>
</tbody>
</table>

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 Star & 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

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, 60/50 Hz |
|          | 380 VAC, 3.0 Amps, 3-Phase, 60/50 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) |
| PORTS (INLET/OUTLET): | 1/4” or 3/8” NPT or 37° Flare |
| MAX. OUTLET PRESSURE: | 10,000 PSI (690 BAR) |

EGB100B

HYDRAULICS INTERNATIONAL, INC.
CHATSWORTH, CALIFORNIA
www.hiigroup.com  (818) 407-3400
**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, 6.8 amps, 3-Phase, 60/50 Hz
- D 460 VAC, 3.4 amps, 3-Phase, 60/50 Hz
- E 380 VAC, 5.0 amps, 3-Phase, 60/50 Hz
- F 220 VAC, 12 amps, 1-Phase, 50 Hz, 1740 RPM

**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 3050 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
- VD Variable 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
- M 4-Port Outlet Manifold
- MX 4-Port Outlet Manifold with gauges, on/off and bleed valves
- RM Remote start/stop switch with 10-foot cord
- P All vent 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 HIIHPG2-XXXXX followed by a 5-digit part number
OTHER HII QUALITY PRODUCTS

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

ELECTRIC DRIVEN GAS BOOSTERS
- Boosts pressure from 50 PSI (3.4 BAR) to 10,000 PSI (689 BAR)
- Two-man portable
- Uses no belts or pulleys
- Quiet, only 65 dBA
- Offered in double acting and 2-stage 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.

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