



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):	37° Flare 1/4"
MAX. OUTLET PRESSURE:	10,000-PSI (690 BAR)
MOTOR:	2-HP @ 1750 RPM
LOW NOISE LEVEL:	60 dBA
VOLTAGES:	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

MODEL 2G-	Maximum Pressure PSI (Bar)		Minimum Gas Inlet Pressure-PSI (Bar)	Maximum Flow Rate-SCFM (NM3/MIN)	Maximum Cycle Rate (CPM)
	Inlet	Outlet			
TWO STAGE					
730	185 (13)	3500 (241)	30 (2)	2.20 (0.06)	72
750	105 (7)	6000 (414)	30 (2)	1.20 (0.034)	72
1430	670 (46)	3500 (241)	60 (4)	4.00 (0.11)	72
1450	375 (26)	6000 (414)	60 (4)	2.30 (0.07)	72
3050	1900 (131)	6000 (414)	200 (14)	4.80 (0.14)	72
5092	3380 (233)	10,000 (690)	300 (21)	5.40 (0.15)	72
DOUBLE ACTING					
3030	3500 (241)	3500 (241)	200 (14)	16.00 (0.45)	72
5050	6000 (414)	6000 (414)	200 (14)	18.00 (0.51)	72

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):	37° Flare 1/4"
MAX. OUTLET PRESSURE:	10,000-PSI (690 BAR)
MOTOR:	2-HP @ 1750 RPM
LOW NOISE LEVEL:	60 dBA
VOLTAGES:	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

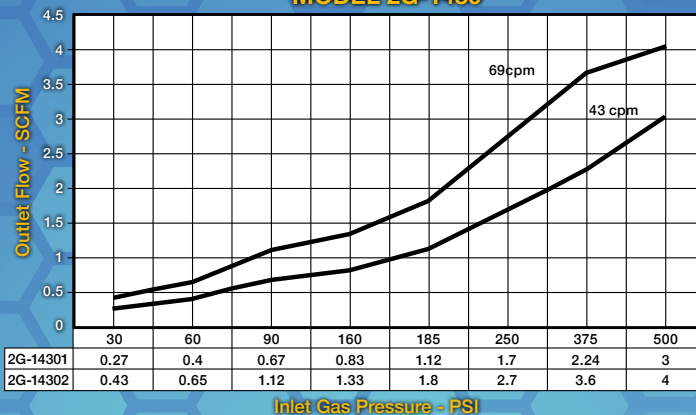
OPTIONAL

- 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

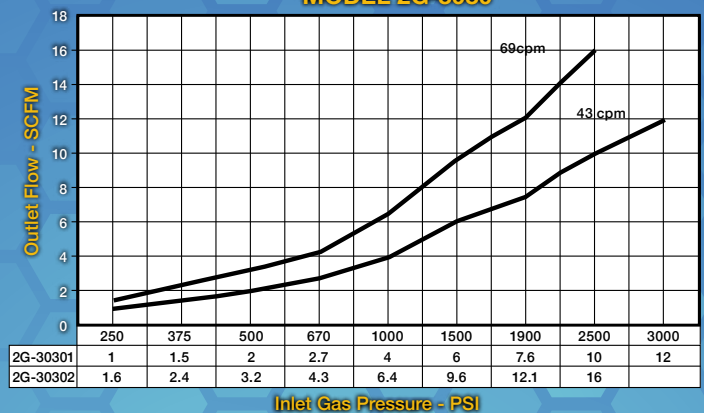
MODEL SELECTION TABLE:

Model	Maximum Pressure PSI (Bar)		Minimum Gas Inlet Pressure-PSI (Bar)	Volume Displacement per Cycle- cu-in (ml)
	Inlet	Outlet		
2G-0730	185 (13)	3500 (241)	30 (2)	5.01 (81.9)
2G-3030	3500 (241)	3500 (241)	300 (20.7)	2.37 (38.8)

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-3030



HYDRAULICS INTERNATIONAL, INC.
CHATSORTH, CALIFORNIA
www.hiigroup.com (818) 407-3400