

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.



SERIES 2G

MODEL SELECTION TABLE:

Model 2G	Maximum Pressure PSI (BAR)		Minimum Gas Inlet Pressure PSI (BAR)	Discharge Flow Rate @ 70-CPM SCFM (LPM)
	Inlet	Outlet		
TWO STAGE				
0714	400 (28)	1400 (97)	30 (2)	11 (312)
0730	175 (12)	3500 (241)	30 (2)	2.4 (68)
0750	100 (7)	6000 (414)	30 (2)	1.4 (40)
1430	620 (43)	3500 (241)	80 (6)	4.5 (127)
1450	450(31)	7,500(517)	80 (6)	3.25(92)
1492	200 (14)	10,000 (690)	80 (6)	1.5 (43)
3050	1800 (124)	6000 (414)	300 (21)	5.8 (164)
3092	1000 (69)	10,000 (690)	300 (21)	3.2 (91)
5092	3200 (221)	10,000 (690)	500 (34)	5.8 (164)
DOUBLE ACTING				
0707	750 (52)	750 (52)	30 (2)	20.6 (583)
1414	1400 (97)	1400 (97)	80 (6)	20.4 (577)
3030	3500 (241)	3500 (241)	300 (21)	22.6 (640)
5050	6000 (414)	6000 (414)	500 (34)	21.8 (617)
9292	10,000 (690)	10,000 (690)	800 (55)	20.4 (558)

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)

Optional: Variable Drive

PORTS (INLET/OUTLET): 1/4" or 3/8" NPT or 37° Flare

MAX. OUTLET PRESSURE: 10,000 PSI (690 BAR)

CONTROLS:

STANDARD

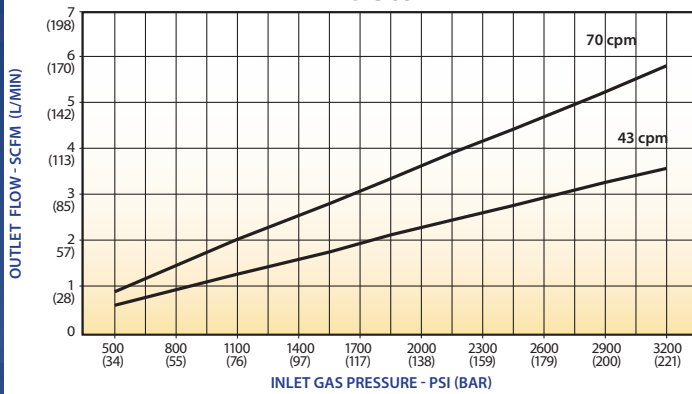
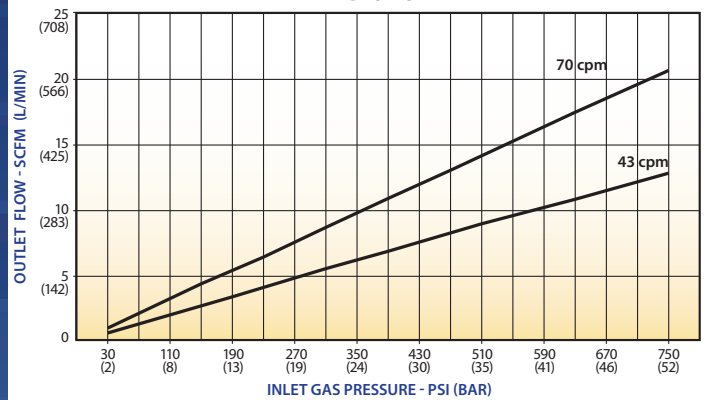
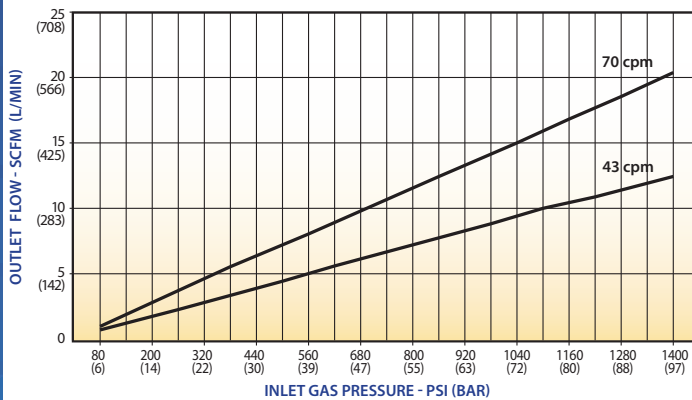
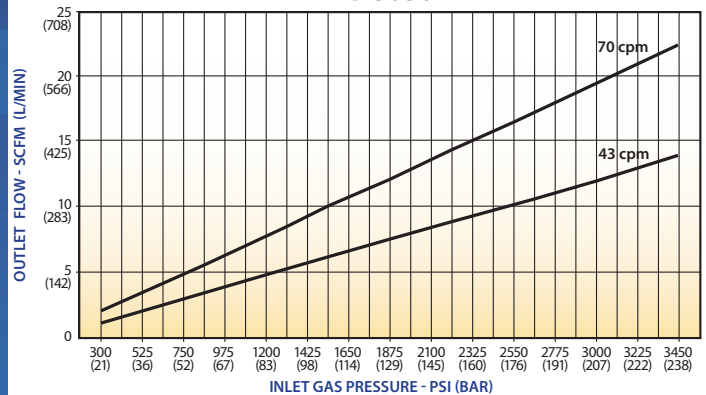
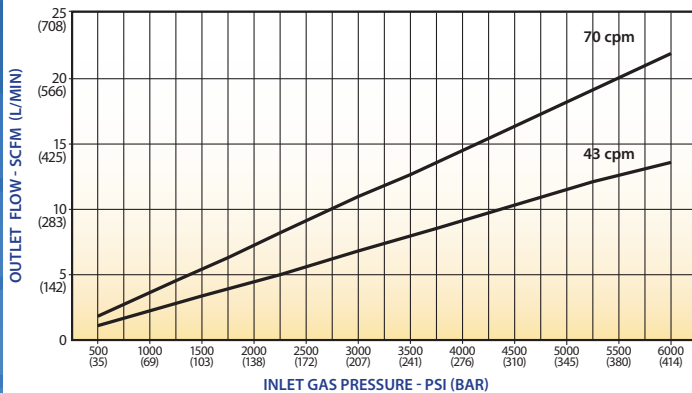
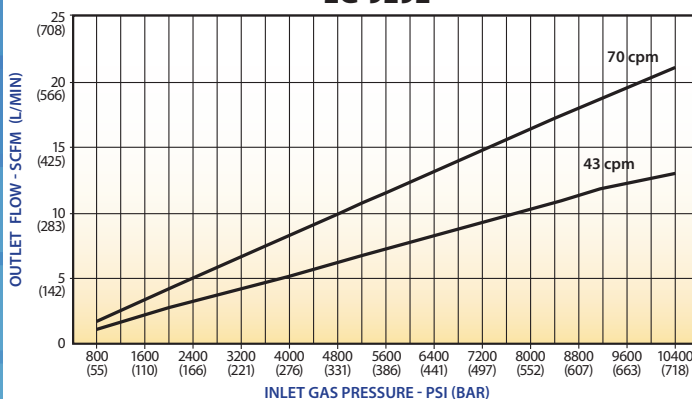
- Automatic High Pressure Limit Switch set to STOP the booster when the gas outlet pressure exceeds set point
- Manual Start & Stop Switch
- Safety Relief Valve
- Inlet & Outlet Pressure Gauges (dual Scale)
- 6-Digit Hour Meter
- Inlet & Outlet 5-Micron Filters
- Cooling Fan
- Outlet Shutoff Valve (Needle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



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2G-5092**2G-0707****2G-1414****2G-3030****2G-5050****2G-9292****2G MODEL SELECTION SYSTEM**

2G-

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 | 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
- VD** Variable Drive w/Potentiometer

MODIFICATION

- A** Auto start/stop - low pressure limit switch
- B** Auto start/stop - high pressure limit switch
- DO** Dual Outlet pressure control
- M** 4-Port Outlet Manifold
- MX** 4-Port Outlet Manifold with gauges, on/off and bleed valves
- R** 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** O₂ cleaned to MIL-STD 1330D
- 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