

# BOTTLE MOUNTED GAS BOOSTER CHARGING SYSTEM

*HPT Engineers Provide Compact & Portable High Pressure Gas Solutions.*



## SYSTEM FEATURES:

- Low Cost, Fast Shipment, Ready to Use, Plug & Play Installation
  - Light Weight Bracket With Straps For Gas Bottle Mounting
  - Maximator Gas Booster
  - Gas Inlet Pressure Gauge
  - Gas Outlet Pressure Gauge
  - High Pressure Relief Valve (*Field Adjustable*)
  - Air Pilot Switch *\*Booster Stops @ Set Pressure\** (*Field Adjustable*)
  - High Pressure Vent Valve
  - Air Inlet Controls: (*Filter, Regulator w/Gauge, On/Off Valve*)
- **OPTIONAL:** Air Drive & Gas Inlet Ports Can Be Plumbed Together with A Dry Air Spool Modification & Pressure Reducing Regulator. To Be Used In Place of Air Control Package. Typically Used When Shop Air Is Not Available & System Needs To Be Pneumatically Powered From The Gas Supply Bottle.

HPT's MTBGN Bottle Mounted Charging Systems Are Most Commonly Used with Both Nitrogen and Oxygen, Typically for the Airline Industry. The Bottle Mounted Booster System can of course also be used with Industrial/Breathing Air, Argon, CO2, Helium, Hydrogen, Methane, Neon, Nitrous Oxide, Xenon, etc.

**High Pressure Technologies Gas Bottle Mounted Booster Systems Are Not Sold With Bottles or Bottle Carts. Hoses & Whips Can Be Provided With Quick Connects and Adapters. Custom Builds Are Offered.**

## Most Suitable For Industrial Gas Charging Applications

### PERFORMANCE EXAMPLE:

Booster drive pressure: 140 psig  
 Vessel volume: 218 cubic inches  
 Vessel start pressure = 800 psi

Gas Supply Pressure	Vessel Final Pressure	Fill Time	Brand "H" time to fill
1500	2000	0:20	0:53
1250	2000	0:35	1:41
1000	2000	0:58	3:25
800	1300	0:35	4:20

**HPT Can Size A Booster Specific For Your Applications Requirements. Booster Systems Are to Be Used with Standard Industrial Bottles with Starting Pressures of 3,500 or 6,000 psi With the Capability to Reach Outlet Pressures as High as 36,000 psi. Talk To An HPT Engineer to Size A Booster For Your Application.**

High Pressure Technologies are a distributor of Maximator high pressure valves, fittings and tubing as well as air driven high pressure equipment including liquid pumps, gas boosters and air amplifiers. High Pressure Technologies also designs and manufactures various high pressure systems utilizing Maximator products as the main power source.