



**PROTECH PUMPS**

Air Driven Pumps & Boosters

## **PBD100 Air Driven Gas Booster** **Double Acting Single Stage**



- Stainless steel wetted materials of construction
- Specialised construction materials available
- PTFE pressure seals as standard
- Built-in cooling of gas barrels (most models)
- Separation between gas & pneumatic seals
- No airline lubrication required
- 120mm stroke reduces cycle rate & increases life
- Suitable for most hazardous areas
- Suitable for most gases
- Available as a complete packaged system (ProPak)

### **Specifications**

<b>Air Drive Media</b>	Compressed Air, Nitrogen or other Non-Corrosive Gas	<b>Displacement per Cycle</b>	48 cc (2.94 cu. in)
<b>Ratio</b>	100:1	<b>Max Air Drive Pressure</b>	8 bar (116 psi)
<b>Weight</b>	24kg (52 lbs)	<b>Min Inlet Gas Pressure</b>	30 bar (435 psi)
<b>Static Stall Formula</b>	100 x Air Drive + Gas Inlet	<b>Max Outlet Gas Pressure</b>	1600 bar (23,200 psi)

### **Typical Applications**

Gas pressure & leak testing  
Accumulator charging  
Breathing air systems  
Leak detection systems  
Gas transfer  
Automotive air bag filling  
Aviation charging

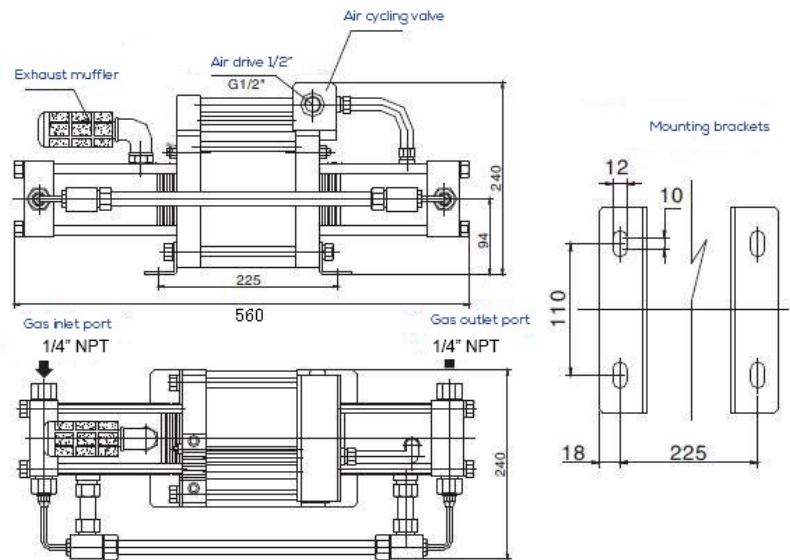
### **Typical Gases**

Compressed Air  
Nitrogen (N<sub>2</sub>)  
Carbon Dioxide (CO<sub>2</sub>)  
Helium (He)  
Hydrogen (H<sub>2</sub>)  
Oxygen (O<sub>2</sub>)  
Argon (Ar)  
Plus many more



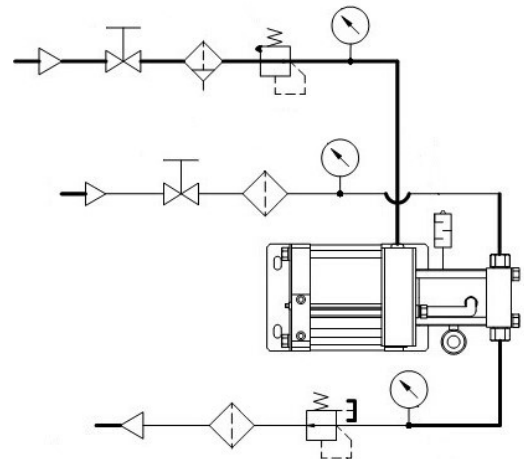
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### PROPAK2 Standard Gas Booster System

Each PROPAK is a self contained Stainless Steel unit which incorporates the following items: Air pressure regulator, air filter, air pressure gauge and on/off speed control valve; ProTech air driven gas booster up to 1090 bar; gas inlet & outlet filters, pressure relief valve; gas inlet & outlet isolation. Additional accessories are available including air pilot switches, data acquisition packages and receivers



**PROTECH PUMPS** has more than 50 years of hydraulic and pneumatic engineering experience in the design and manufacture of pumps and systems for pressure testing and chemical injection. Continuous investment in new machinery and advanced technology keeps **PROTECH PUMPS** at the forefront of the field. We offer one of the most complete range of Air Driven Pumps & Boosters in the industry measured for:

- > Capability of ultimate pressure, flow or output horsepower.
- > Compatibility with a broad variety of liquids, such as oil, water and chemical applications.

## ProTech Pumps

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