


TECHNICAL DATA SHEET

PRODUCT	GPU-GBS144-L**/options	
SERIES	GPU- Single Acting Air operated, high flow gas booster compressors offer a flexible and efficient source for delivering high pressure gases.	

FEATURES

- Infinitely variable output pressure and flow
- Will hold static pressure without generating heat or consuming power
- Standard models are suitable for various gases
- Well proven and trouble-free operation
- Designed for ease of maintenance
- Low cost servicing
- Robust construction

PERFORMANCE DATA

Max Rated Output Pressure	14,400psi (993bar)
Displacement Per Cycle	0.62 in ³ (10.1cc)
Max Flow	3.06 scfm (87 NI/min)
Max Air Supply Pressure	100psi (7bar)
Ratio	12 : 1
Air Consumption	56 scfm (1,586 NI/min)
Supply Pressure to Achieve Max Output Pressure	1,200psi (83bar)
Actual Output Pressure (Stall Condition)	144 x (Air drive pressure)

SEAL MATERIAL

Main Seals	MoS2
Check Valve Seals	Viton

CONSTRUCTION

Frame	Stainless Steel
Air Motor	Anodised Aluminium / Nitrile (Buna-N) Seals
Gas Cylinder	17-4PH
Piston	17-4PH + Chrome Finish
Check Valves	Stainless Steel
L1** (standard)	Copper / Brass, Pipework / Fittings & Plated Steel Silencer
L2** (optional)	Stainless Steel Pipework, Fittings & Silencer

CONNECTIONS

Gas Inlet	1/4" NPT(F)
Gas Outlet	1/4" HP(F)
Air Inlet	1/2" BSPP(F)
Net Weight	37kg (81lb)

COMMON OPTIONS (BUT NOT LIMITED TO)

/ A	ATEX - Zone 1 Category II
/ F	Panel mount digital stroke counter (non ATEX)
/ G	Panel mount pneumatic stroke counter
/ I (over all dimension varies)	Isolation valve
/ K	Inlet gas gauge
/ M	Mild steel painted frame (Painted Blue) + Stainless steel tank (if applicable to the unit)
/ O (over all dimension varies)	Single pen chart recorder complete with recorder isolation valve
/ R	Relief valve
/ W	Fitted with wheels
/ X	Gauge protection guard

GENERAL LAYOUT DRAWING

Model: GPU-GBS144

