

SPECIFICATIONS

- **Booster:** Air driven, balanced opposed piston type, two-stage AGT – 15/30.
- **High Pressure Oxygen Chambers:** Non-lube, hydrocarbon-free, triple sealed and vented from the air chest.
- **High Pressure Tubing & Fittings:** Stainless steel, 5000 psi maximum oxygen working pressure.
- **Particle Filters:** Inlet and outlet gas: 5 micron. All stainless steel.
- **Gauges:** Stainless steel tube, solid front 4 1/2" dial size.
- **Port Sizes:** Inlet and outlet gas: 1/4" NPT female; Air Drive: 1/2" NPT female.
- **Control Range Adjustment:**
Inlet minimum: 150 to 850 psi cutout
Outlet maximum: 800 to 5000 psi cutout
Safety relief (outlet): 800 to 5000 psi
- **Cooling:** With air exhaust to both stages and intercooler.
- **Noise:** 80 db range pulses, depending on working pressure (measured at 30 inches from booster).
- **Maintenance:** Simple seal kit replacement.
- **Installation:** No special foundation, no tie down required and no electrical connections.



Booster Specifications

DRIVE:	5.75 in
RATIO:	30 PA + 2 PS*
MAX RATED INLET PRESSURE:	5000 psi (345 bar)
MAX RATED OUTLET PRESSURE:	5000 psi (345 bar)
VOLUME PER CYCLE:	6.2 cu in. (.1016 L)
MAX INERT GAS PRESSURE:	5000 psi (621 bar)
MAX O ₂ PRESSURE OUTPUT:	5000 psi (345 bar)
MIN GAS SUPPLY PRESSURE:	50 psi (3.45 bar)

*PA = Drive Pressure / PS = Supply Pressure

Performance

EXAMPLES OF PERFORMANCE WITH AIR DRIVE POWER OF 50 SCFM (C) AIR FLOW AT AIR DRIVE PRESSURE INDICATED				
OXYGEN GAS PRESSURE - PSI		OXYGEN OUTLET GAS FLOW - SCFM		
INLET	OUTLET (B)	AIR DRIVE PSI		
		60	80	100
250	1500	3.5	4.0	4.0
250	2000	2.1	3.6	3.6
250	3000	(A)	(A)	2.5
1000	1500	8.7	14.7	15.0
1000	2500	(B)	9.7	13.7
1000	3500	(B)	9.6	13.6
1500	2000	(B)	14.7	20.7
1500	2500	(B)	(B)	16.1
1500	3000	(B)	(B)	(B)
2000	2500	(B)	(B)	21.6

- Outlet stall (maximum gas outlet pressure is air drive PSI x 30 plus 2x gas inlet PSI).
- Interstage stall (maximum gas inlet pressure is air drive PSI x 15 if outlet exceeds air drive PSI x 30. If it does not, maximum gas inlet is air drive PSI x 30).
- If less air flow is available, outlet gas rates will decrease about in proportion.