

ECO SERIES



**MARUTI™**  
**PNEUMATICS**



**EBC GAS BOOSTER COMPRESSOR SERIES**



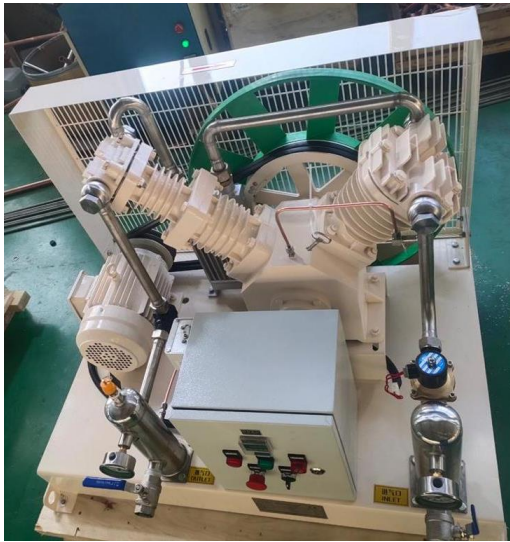
**4 Stage Gas Booster Compressor**



**3 Stage Water Cooled Booster Compressor**



**3 Stage Air Cooled Booster Compressor**



## 2 Stage Gas Booster Compressor



### KEY FEATURES :

- The oil-free oxygen booster is based on the company's fully oil-free air compressor design concept, which realizes the secondary pressure increase of oxygen, nitrogen, chlorine, ammonia, carbon dioxide, sulfur hexafluoride and other non-flammable and explosive gases. It can meet the individual needs of the pressurized gas for medical, commercial, and industrial use.
- New technology patented products are exclusively for Oxygen & Nitrogen Gas. There is no contact between the gas and the bearing, and the compressed originals that bear the lateral force are transferred from the high temperature zone to the low temperature zone, and the life of the bearing and guide ring is doubled. The special supplementary lubrication structure makes maintenance much more convenient.
- The unique middle body sealing structure can improve the life of the seals, and the sealing effect is excellent. The leakage is less than four thousandths, ensuring the purity and cleanliness of the gas pressurization, and prolonging the service life of the machine.

It is the ideal replacement product compare to traditional booster. Ordinary box type includes fixed and portable, frequency conversion and multiple forms are available.

- Applicable gas pressure range:  
The gas pressure ( $\geq 0.1$  MPa) is pressurized to the pressure you need ( $\leq 20.0$  Mpa);
- Applicable gas flow range: 1~300Nm<sup>3</sup>/h; suitable for larger air volume according to the required unit type



## What do We Boost?

- Oxygen Gas
- Compressed Air
- Ozone Gas
- Nitrogen Gas
- CO2 Gas
- Natural Gas
- Methane Gas



## Our Experience

We are proud of our legacy of excellence. A legacy that has been built through unrivalled technical expertise, and our honesty towards our customers. The driving factor behind our success is our constant effort to ideate, innovate and inspire around energy-efficiency whilst maintaining a gold-standard on quality of goods.

We collaborate with the best in the business to deliver cutting edge technology with high level of precision. The Booster compressor series of EBCP is a game changer in the industry and is fast catching the imagination of the Market in large.

We produce compressor right upto 3000 bar and can cater to flow ranges upto 700nm<sup>3</sup>/hr.



# Ide al Applications.

- PSA Oxygen Plants
- Laboratories
- Hospitals
- Industries

**PRESSURE RANGE** 2 to 200 Bar

**Flow Rates** 6 – 700 Nm<sup>3</sup>/Hr

## Key Features:

**100% Oil Free Compression**

**Air / Water-cooled**

**Premium Motors IE2/IE3**

**High precision sealing**

**Very Low RPM of 300**

**Noise Level 75-80 db**

**Hand crafted & Machines**

**Compressor service protocols per**

**OSHA1910.147**



Premium Tailor Made Solutions For  
Medical Oxygen.

- **Key features of Electric Driven Gas Booster Compressor:**

1. Oil free booster compressor designed with CE standard
2. Air Cooled & Water cooled model
3. Lower maintenance due to water cooling design
4. SS and forged brass/copper material used for better cooling efficiency
5. IP54 Premium efficiency electric motor
6. Standard service life of spares
7. Longer service life
8. CE certified product
9. Maximum booster ration with lower inlet pressure

TECHNICAL SPECIFICATION FOR LOW PRESSURE OXYGEN BOOSTER COMPRESSOR					
Model	Booster Capacity		Outlet Pressure	Kw	Gas Handled
	Nm3/Hr	LPM			
EBCL-6/3	6	100	10-50 Bar	2.2	O2, N2, Inert gases
EBCL-10/3	10	165	10-50 Bar	4	O2, N2, Inert gases
EBCL-15/3	15	250	10-50 Bar	4	O2, N2, Inert gases
EBCL-20/3	20	330	10-50 Bar	5.5	O2, N2, Inert gases
EBCL-30/3	30	500	10-50 Bar	7.5	O2, N2, Inert gases
EBCL-50/3	50	830	10-50 Bar	11	O2, N2, Inert gases
EBCL-60/3	60	1000	10-50 Bar	11	O2, N2, Inert gases
EBCL-250	250	4167	4 Bar	18.5	O2, N2, Inert gases

TECHNICAL SPECIFICATION FOR 3 STAGE HIGH PRESSURE OXYGEN BOOSTER COMPRESSOR						
Model	Booster Capacity		Inlet Gas Pressure	Discharge Gas Pressure	Kw	Gas Handled
	Nm3/Hr	LPM				
EBC-3/3	3	50	2-5 Bar	150 Bar	4	O2, N2, Inert gases
EBC-5/3	5	85	2-5 Bar	150 Bar	4	O2, N2, Inert gases
EBC-6/3	6	100	2-5 Bar	150 Bar	5.5	O2, N2, Inert gases
EBC-10/3	10	165	2-5 Bar	150 Bar	7.5	O2, N2, Inert gases
EBC-12/3	12	200	2-5 Bar	150 Bar	7.5	O2, N2, Inert gases
EBC-15/3	15	250	2-5 Bar	150 Bar	11	O2, N2, Inert gases
EBC-20/3	20	330	2-5 Bar	150 Bar	15	O2, N2, Inert gases
EBC-30/3	30	500	2-5 Bar	150 Bar	15	O2, N2, Inert gases
EBC-50/3	50	830	2-5 Bar	150 Bar	22	O2, N2, Inert gases
EBC-60/3	60	1000	2-5 Bar	150 Bar	22	O2, N2, Inert gases

TECHNICAL SPECIFICATION FOR 4 STAGE HIGH PRESSURE OXYGEN BOOSTER COMPRESSOR					
Model	Booster Capacity		Pressure	Kw	Gas Handled
	Nm <sup>3</sup> /Hr	LPM			
EBC-6/4	6	100	150-200 Bar	5.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-10/4	10	165	150-200 Bar	7.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-15/4	15	250	150-200 Bar	11	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-20/4	20	330	150-200 Bar	15	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-30/4	30	500	150-200 Bar	15	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-45/4	45	750	150-200 Bar	18.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-48/4	48	800	150-200 Bar	18.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-50/4	50	830	150-200 Bar	18.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-60/4	60	1000	150-200 Bar	18.5	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-90/4	90	1500	150-200 Bar	37	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-250/4	250	4167	150-200 Bar	90	O <sub>2</sub> , N <sub>2</sub> , Inert gases
EBC-300/4	300	5000	150-200 Bar	160	O <sub>2</sub> , N <sub>2</sub> , Inert gases

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