

## Jiapeng Air Compressor Booster WWY-75~85/4-150 Oil Free O2 High Air Flow Booster

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Anshan Jiapeng
- Certification: CE ISO9001
- Model Number: WWY-75~85/4-150
- Minimum Order Quantity: 1
- Price: \$2000~20000 per set
- Packaging Details: Wooden Case
- Delivery Time: With in 7 days
- Payment Terms: D/P, T/T, L/C, L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Sets Per Year



### Product Specification

- Input Pressure: 0.4 Mpa
- OutLet Pressure: 15 Mpa
- Flow Rate Nm3/h: 75
- Cylinder Diameter: ( $\Phi 90 + \Phi 50 + \Phi 30$ )\*2
- Inlet Size: Rc1
- Outlet Size: G5/8
- Size: 2800\*1250\*1200 (mm)
- Weight: 1060 Kg
- REV R/min: 580
- Application: O2, N2, Ar2
- Highlight: 580 r/min Air Compressor Booster,  
rc1 Air Compressor Booster,  
15mpa compressed air flow booster

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## Product Description

JIAPENG WWY-75~85/4-150 oil FREE Oxygen Booster Supercharger Air compressor O2 High booster for Oxygen filling  
**About shanghai powerbuilder automation technology co.,ltd**

Our company proudly serves as the authorized distributor for Anshan Jiapeng, a renowned manufacturer of PSA nitrogen generators and oxygen generators. With a rich history spanning 15 years, we have established ourselves as a leading assembly provider in this industry. Year after year, we deliver approximately 400 sets of PSA nitrogen generators and oxygen generators to both domestic and international customers, providing a comprehensive range of services that encompass production and meticulous debugging.

At our state-of-the-art factory, we prioritize precision and quality in the assembly process. Our skilled team of technicians and engineers possesses extensive knowledge and expertise, ensuring the seamless integration of components and the overall reliability of the generators. By adhering to stringent industry standards, we guarantee that our products meet the highest levels of performance and durability.

In addition to assembly, we are dedicated to supporting our clients throughout the production and debugging stages. We understand the importance of fine-tuning the generators to meet specific operational requirements. Our experienced team conducts rigorous testing and optimization to ensure that the generators perform at their peak efficiency. This commitment to excellence allows us to deliver products that exceed the expectations of our valued customers.

Whether our clients are based locally or internationally, we are committed to providing exceptional products and services. Our track record of successful installations and satisfied customers is a testament to our dedication to delivering reliable and high-quality PSA nitrogen generators and oxygen generators.

By choosing our company, customers can benefit from our extensive industry experience, technical expertise, and unwavering focus on customer satisfaction. We continuously strive to maintain our position as a trusted provider, consistently delivering efficient and dependable solutions that meet the diverse needs of our clients.

In collaboration with Burkert Valves, we have customized our own double-acting pneumatic valve. Through the design of top and middle pressure equalization, and airflow orifice plates, we continuously optimize and reduce the air consumption ratio of the equipment, thus achieving energy savings. The energy consumption ratio of our equipment has reached the highest level in China. And through our patented silencer, our device noise is controlled to less than 55 db.

In terms of process flow, we have cutting, welding, assembly, filling of molecular sieves, automatic rust removal, spraying, and complete procedures and supporting equipment for commissioning.

In the supply chain aspect, we provide first-line brands such as Atlas Copco, Ingersoll Rand, GDK, Liutech, Bolaite, Hanbell, and BK for air compressors, and provide Boly, Atlas Copco, and Liutech refrigerated dryers, as well as Anshan Jiapeng and Anqing Bailian boosters.

We can provide supporting equipment and accessories.

Currently, our company's products are aimed at end-users and distributors worldwide. We provide customized remote systems, color customization, display interface customization, and many other OEM services. And we also provide ASME standard equipment and pressure tanks for USA and Australian market.

For specific selection, please contact our customer manager. We hope to become your trusted long-term partner.

**About Anshan Jiapeng Compressor Co., Ltd**

Anshan Jiapeng Compressor Co., Ltd. is located in the southeast of Liaoning Province, located in the steel capital - Anshan, the company was established in June 1998, the registered capital of 5 million yuan, after the reform of the state-owned enterprises, the first production of oil-free gas compressor joint-stock companies, is the earliest domestic production license manufacturers. The company mainly produces 10 series of compressors with more than 100 models of oil-free air, oxygen, nitrogen, argon, helium, carbon dioxide, sulfur hexafluoride and other non-flammable and explosive gases. At the same time, supporting post-treatment equipment, cold and dry machines, filters, gas storage tanks, to provide users with oil-free, water-free, dust-free and sterile purified air. Fat-filling oil-free compressor can change the original old model structure, convenient maintenance, prolong the service life, has won the national patent (patent no. ZL 20112 0053943.2) is the first compressor production license and general machinery GC certification unit, and through the ISO9001-2008 system certification. National quality qualified products. National mechanical and electrical products energy efficiency grade certification, for many years by anshan Industrial and commercial bureau as industry and commerce exempt enterprises, abide by the contract heavy credit enterprise, Anshan technical supervision bureau "anti-counterfeiting and fidelity enterprise".

### Jiapeng booster advantages

- 1.Chinese and English operation interface(pic1)
- 2.With abnormal alarm reminder function(pic2)
3. The filling booster is equipped with a water tank and a water pump.  
After 40 liters of water is added to water tank , the booster can work when the power is turned on. There is no need for a extra water tank and pump!



pic1



pic2

### Working Principle

**Gas Compression:** The gas compression process initiates when an air compressor draws in a significant volume of air through one or more cylinders. Using either a piston or a screw-type compression device, the compressor compresses the air, leading to a reduction in molecular spacing. As a result, the gas experiences a rise in pressure and temperature.

**High-Pressure Gas Discharge:** Following compression, the high-pressure gas is discharged into either the air compressor's storage tank or delivery pipelines. The storage tank acts as a reservoir, storing the compressed air and ensuring a steady supply from the compressor.

**Control System:** Air compressors are typically equipped with a control system that oversees and regulates gas pressure. When the pressure falls below a predefined threshold, the control system activates the compressor, increasing the gas supply. Conversely, when the pressure reaches the set upper limit, the control system halts or reduces the compressor's operation to maintain the desired pressure level.

**Cooling System:** Due to the compression process, the gas's temperature tends to rise. To counteract this, air compressors

incorporate a cooling system. This system utilizes either air cooling or water cooling methods to effectively lower the gas temperature, preventing overheating and maintaining optimal operating conditions.

Lubrication System: To minimize friction and enhance durability, air compressors require a lubrication system. This system ensures the provision of lubricating oil or lubricants to the compression device and other moving parts. By reducing friction and wear, the lubrication system promotes smooth operation, extends the equipment's lifespan, and enhances overall performance.

In summary, an air compressor compresses a large volume of air into high-pressure gas to meet the compressed air requirements in various industrial and commercial applications. The key steps in the working principle include gas compression, discharge of high-pressure gas, control system, cooling system, and lubrication system.

#### Product description

Lot.	Item	Parameter
1	The compression medium	Oxygen (must be dry and free of particulate gas)
2	Model	WWY-75~85 /4-150-II
3	Flow rate (standard) Nm <sup>3</sup> /h	75~85
4	Inlet temperature	≤40
5	Inlet pressure MPa	0.4
6	Outlet Pressure MPa	15
7	Cylinder diameter quantity	(Φ90+Φ50+Φ30)*2
8	Revolving Speed r/min	580
9	Cooling Mode	Air cooling + water cooling (in circulation)
10	Lubrication method	Oil free lubrication
11	Compressed series	Three Level
12	Structural style	Angle type, W type, single unit
13	Motor	Power kW
		The electric system
		Insulation grade
		Protection grade
		Start Mode
14	Drive Mode	Belt Drive
15	The installation type	The base type
16	Noise Figure dB(A)	≤80
17	Control mode	PLC Touch screen control: maintenance alarm, over temperature alarm, overpressure alarm, motor overload alarm and so on
18	Dimension of inlet and outlet	Rc1 Rc5/8
19	Size(L×W×H) mm	2800*1250*1200
20	Weight kg	1060

**The basic parameters listed in this table can be confirmed according to the actual working conditions**

Touch display PLC control

Remote control is optional

Inlet and outlet pressure overload, temperature overheating, cooling water failure, circulation rolling alarm and stop

Operation time display, maintenance cycle prompt

With water tank and circulating pump without external pipeline, filling antifreeze at low temperature without obstruction.

## Our Service

1. We can provide acceptance video and shipping list
2. We can provide the boot video and boot introduction
3. We can provide maintenance videos and instructions
4. For **dealers** we can provide door-to-door service and factory training in your factory

**Eco-Tech**  **Eco-Tech Suzhou Limited**



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