



# AIR COMPRESSOR



## Oil-free Technology | Powerful & Quiet



Clean and dry air is very important in actual clinical treatment environment and is the basis for ensuring the health of patients. Therefore, the choice of dental compressor is very important for hospitals or Labs.

The right choice of dental compressor can satisfy all air compressor needs for current or the future. Oil-Free Air Compressor can guarantee every need of users. It is the best choice for customers, no matter from the view of performance and investment, or product integrity and quality.

### ■ Low Noise

Runyes dental electric oil-free air compressor with excellent design reduces the operating noise to 70 decibels. High efficiency design and perfect cooling system make it more attractive.

### ■ Oil-free Compression

Provide oil-free compressed air, which is more suitable for dental treatment requirements.

### ■ Dual Overload Protection Safer to Use

Each machine is equipped with a safety valve and built-in overheat protector to strengthen the protection of the motor.

### ■ Cylindrical Vent

The overall pump, with large holes, has good and quick heat dissipation.

### ■ Triple Filtration Device

Ensure safe, stable, continuous and efficient operation.



Membrane dryer (optional installation)

| Model    | Voltage Frequency | Rating Power | Gas tank volume | 0.4Mpa Displacement | Max pressure | Rotating Speed | Noise | Packing Size | GW  | Pump Quantity | Matchable dental chairs |
|----------|-------------------|--------------|-----------------|---------------------|--------------|----------------|-------|--------------|-----|---------------|-------------------------|
| GIANT-30 | AC220V 50Hz       | 0.6          | 25              | 50                  | 0.8          | 1400           | 60    | 42X42X65     | 22  | Single head   | One for one             |
| GIANT-35 | AC220V 50Hz       | 1.2          | 50              | 100                 | 0.8          | 1400           | 60    | 74X44X73     | 42  | Double head   | One for two             |
| GIANT-40 | AC220V 50Hz       | 1.54         | 60              | 140                 | 0.8          | 1400           | 60    | 78X48X76     | 46  | Double head   | One for three           |
| GIANT-45 | AC220V 50Hz       | 2.2          | 70              | 210                 | 0.8          | 1400           | 65    | 86X54X78     | 66  | Three heads   | One for five            |
| GIANT-50 | AC220V 50Hz       | 3.1          | 135             | 280                 | 0.8          | 1400           | 65    | 110X58X80    | 100 | Four heads    | One for eight           |
| GIANT-55 | AC220V 50Hz       | 4.7          | 210             | 420                 | 0.8          | 1400           | 67    | 165X65X85    | 160 | Six heads     | One for twelve          |



**Positive & negative pressure for medical use**

**Practicality and Merits of Oil-free Compressor for Medical Use**

it has been popularized long before for the adoption of oil-free compressor in oral medical industry of developed countries. With the rapid advancement in domestic compressor field, China has saw a growing trend of its application as well. The primary merits of our portable oil-free compressor are as follows:



SW02



SW12

- ◆ Be able to supply oil-free, odorless, clean, and dry green gas;  
Owing to its absence of the usage of oil, the product can generate healthy gas, which is beneficial to both patients and environment.
- ◆ Be able to be maintained with considerable convenience;  
Without the using of oil, the product has been privileged in its easy and convenient daily maintenance, comparing with the other compressors.
- ◆ Be privileged in oral medical treatment;  
The existence of oil molecules in the gas generated by the traditional compressor is likely to give rise to the deduction of medical effect. Conversely, the oil-free compressor is able to provide oil-free gas.
- ◆ Be privileged in prolonging the service life;  
Likewise, the oil molecules existed in the gas is likely to increase the emission of large amount of carbon deposition, which will in return accelerate the fraction of bearing in the hand piece. However, the design of the oil-free compressor could avoid the above-mentioned deficiency.

**SW02**

| Model | Voltage Volt/Hz | Head Model                  | Volume Flow | 0.4Mpa Gas Production Rate | Maximum Pressure | Pressure Switch Adjustment | Power  | Rotational Speed | Container Capacity | Net  | Gross | Packing size (LWG) | Packing materiel | Fitting Dental Chair |
|-------|-----------------|-----------------------------|-------------|----------------------------|------------------|----------------------------|--------|------------------|--------------------|------|-------|--------------------|------------------|----------------------|
| SW02  | 220/50/1        | Home-made high quality Head | 100L/min    | 60L/min                    | 0.8Mpa           | 0.55-0.8Mpa                | 0.55KW | 1400RPM          | 24L                | 24kg | 32kg  | 500x500x600mm      | Cardboard Box    | 1 units              |

**SW12**

| Model | Voltage Volt/Hz | Head Model        | Volume Flow | 0.4Mpa Gas Production Rate | Maximum Pressure | Pressure Switch Adjustment | Power   | Rotational Speed | Container Capacity | Net   | Gross | Packing size (LWG) | Packing materiel | Fitting Dental Chair |
|-------|-----------------|-------------------|-------------|----------------------------|------------------|----------------------------|---------|------------------|--------------------|-------|-------|--------------------|------------------|----------------------|
| Sw12  | 380/50/3        | Italian Fiet Head | 600L/min    | 405L/min                   | 0.8Mpa           | 0.55-0.8Mpa                | 3x1.5KW | 1400RPM          | 150L               | 159kg | 190kg | 1480x580x1000mm    | Wooden Box       | 9-12 units           |

# SIMULATION SYSTEM

