

# OIL FREE WATER LUBRICATED COMPRESSOR



Original Mitsui Seiki Air End Stainless Steel System 100% Oil Free  
Maintenance-free compressor Reliable operation Small energy consumption  
Long life 24hrs online

Oil free screw air compressor are widely used in industries that require high quality air sources such as: pharmaceutical, food, electronics, chemical, packaging, etc. 100% pure compressed air is a necessary procedure to guarantee satisfactory crafts and product quality, which ensures the production of high-end products safely and risk-free. The lubrication system of an oil free screw air compressor is an individual fuel recycling unit. The compression chamber and the bearings were separated by a set of sealed high-performance mechanical assembly. The lubricating oil can only flow in the enclosed area and is prevented to enter the compression chamber, which only contains 100% pure compressed oil-free air. The users could obtain 100% pure compressed air with some slight post-treatment of water and dust removal.

## Advantages:

### 1. True Energy Saving:

Oil free water lubrication screw air compressor is a kind of compressor that provides clean, pollution-free, 100% oil free screw air compressor, its zero emission can protect the environment efficiently.

### 2. Water ---- Lubrication, Sealing and Cooling:

Ideal isothermal compression. High efficiency (large air delivery) Low temperature compression. No need for a after cooler  
Low rotation speed. Low noise, low vibration and Low viscosity of lubricant - water.  
Easy to be separated with the air

### 3. All stainless steel pipes:

Simple ,non-corrosive,non-polluting,high reliability

### 4. Single Stage Compression ,High Efficiency ,and Energy Saving ,and Easy Maintenance:

Single stage compression makes the structure easy. Compression efficiency is higher than the two stage dry air compressor.  
Less consumable parts, easy to be disassembled, reduce the maintenance cost and time greatly.

| Model      | Air delivery / Working pressure |        |         |          | Motor power | Lubricating water volume | Pipe diam. | Dimension(mm)  | Weight |
|------------|---------------------------------|--------|---------|----------|-------------|--------------------------|------------|----------------|--------|
|            | m <sup>3</sup> /min/bar         |        |         |          | KW          | L/min                    |            | L*W*H          | Kg     |
| ZRCW-15SA  | 1.8/7                           | 1.65/8 | 1.5/10  | 1.3/12.5 | 11          | 20                       | 1"         | 1300*800*1300  | 540    |
| ZRCW-20SA  | 2.4/7                           | 2.2/8  | 2.1/10  | 1.8/12.5 | 15          | 26                       | 1"         | 1620*1004*1410 | 650    |
| ZRCW-25SA  | 3.1/7                           | 2.9/8  | 2.7/10  | 2.3/12.5 | 18.5        | 34                       | 1"         | 1600*910*1350  | 840    |
| ZRCW-30SA  | 3.8/7                           | 3.6/8  | 3.2/10  | 2.5/12.5 | 22          | 41                       | 1"         | 1450*1000*1560 | 870    |
| ZRCW-40SA  | 5.3/7                           | 5.0/8  | 4.3/10  | 3.6/12.5 | 30          | 55                       | 1 1/4"     | 1950*1050*1432 | 980    |
| ZRCW-50SA  | 6.6/7                           | 6.2/8  | 5.7/10  | 4.6/12.5 | 37          | 70                       | 1 1/4"     | 1700*1100*1630 | 1000   |
| ZRCW-60SA  | 8.0/7                           | 7.7/8  | 6.9/10  | 6.0/12.5 | 45          | 87                       | 1 1/2"     | 2150*1300*1590 | 1060   |
| ZRCW-75SW  | 10.5/7                          | 9.8/8  | 8.7/10  | 7.3/12.5 | 55          | 100                      | 2"         | 2200*1400*1540 | 1250   |
| ZRCW-100SW | 13.6/7                          | 13.0/8 | 11.6/10 |          | 75          | 100                      | 2"         | 2400*1450*1740 | 1480   |
| ZRCW-120SW | 16.2/7                          | 15.5/8 | 14.0/10 |          | 90          | 250                      | DN50       | 2550*1440*1605 | 2030   |
| ZRCW-150SW | 20.8/7                          | 19.5/8 | 16.5/10 |          | 110         | 270                      | DN65       | 2700*1550*1750 | 2450   |
| ZRCW-175SW | 24.0/7                          | 23.0/8 | 20.0/10 |          | 132         | 320                      | DN65       | 2600*1650*1750 | 2850   |
| ZRCW-200SW | 27.8/7                          | 26.5/8 | 23.5/10 |          | 160         | 360                      | DN65       | 3300*2200*2000 | 3750   |
| ZRCW-270SW | 34.5/7                          | 33.0/8 | 28.0/10 |          | 200         | 430                      | DN80       | 3300*2200*2000 | 4100   |
| ZRCW-330SW | 43.0/7                          | 40.0/8 | 37.0/10 |          | 250         | 540                      | DN100      | 3670*2070*2370 |        |
| ZRCW-375SW | 51.0/7                          | 50.0/8 | 45.0/10 |          | 280         | 561                      | DN125      | 4000*2000*2100 |        |
| ZRCW-420SW | 56.0/7                          | 55.0/8 | 49.0/10 |          | 315         | 616                      | DN125      | 4600*2300*2400 |        |
| ZRCW-470SW | 64.0/7                          | 62.0/8 | 54.0/10 |          | 355         | 704                      | DN150      | 4600*2300*2400 |        |
| ZRCW-550SW | 73.0/7                          | 70.0/8 | 61.0/10 |          | 400         | 803                      | DN150      | 5000*2350*2400 |        |
| ZRCW-600SW | 81.0/7                          | 79.0/8 | 70.0/10 |          | 450         | 891                      | DN175      | 5500*2590*2800 |        |
| ZRCW-670SW | 98.7/7                          | 87.0/8 | 77.0/10 |          | 500         | 979                      | DN200      | 5500*2590*2800 |        |

Note: A means air cooling, W means water cooling