Ri-VSD Series 60-220

Rotary Screw VSD Compressors

ECO-FRIENDLY
Features & Benefits

Rotary Screw VSD Compressors
Ri-VSD Series 60-220

Variable Speed Drive
The use of a frequency converter allows:
- Variation of the motor and of the compressor speed, thus adapting to the demand for compressed air
- Variation of the air pressure selection value between 87 and 189 PSI
- Constant variation of compressed air production between 20 and 100% of the compressor capacity, allowing a variation of energy consumption proportional to the compressor air delivery
- Elimination of problems linked to surge currents when starting
- Elimination of discharge losses during normal operation
- Operation in temperatures up to 122°F

PneuTech’s variable speed drive technology combined with a direct drive, permanent magnet motor reduces energy and maintenance costs up to 50%

Integrated Moisture Separator
Integrated moisture separator comes standard for all Ri units. Up to 90% reduction in condensation when compared to a unit without a moisture separator. Compatible with energy recovery (optional).

Single Screw Airend
The rotary screw on this unit comes standard with oversized, low RPM airends that are designed for maximum efficiency and excellent reliability.

Air/Oil Separator Tank
The exclusive cyclone technology guarantees a pre-separation efficiency of more than 99.9%. The separator ensures low oil carryover of less than 2 ppm which reduces maintenance.

Intake Filter
Removes the smallest particles of dust and dirt. The large surface area ensures a long life and minimal pressure loss. Conveniently located near the removable panel for easy access.

Low Speed Centrifugal Fan
Dedicated low-speed centrifugal fans for both the oil and the air coolers. Separate fans maintain optimal temperatures for the oil and air while yielding extremely low noise levels.

Air/Oil Cooler
The cooler is oversized in order to ensure optimum working temperatures in any environmental condition. Conveniently placed so that they are easy to clean.

Electronic Controller
Controls the main operating parameters and daily or weekly start program with CAN-BAS interface. Connects up to four compressors in a network, duty cycle monitoring, and maintenance timers.

Permanent Magnet Motor
Synchronous motors with permanent magnets and frequency converters do not have any bearings, flexible couplings, or sealing gaskets. Eliminates wear, leakage and replacement.

Intake Filter
Removes the smallest particles of dust and dirt. The large surface area ensures a long life and minimal pressure loss. Conveniently located near the removable panel for easy access.
**Ri-VSD Series Specifications**

### Technical Data

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<tr>
<th>Model</th>
<th>Dimension LxWxH</th>
<th>Weight</th>
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<td>Ri-60VSD</td>
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### Dimensions

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<tr>
<th>Model</th>
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<tr>
<td>D - DRYER</td>
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### Why PneuTech?

**You** are the **#1** priority when you partner with PneuTech.

**Your** goals are our goals - because your success is our success.

**Your** experience is superior when partnering with PneuTech because of quality products and personal service.

You want **efficiency, reliability and versatility** when sourcing air compressors and all associated equipment - that's what we strive for.

**Pneu-Assure**

- 10 year warranty on all major components*
- Guaranteed full support from your certified distributor
- 10 year parts & labor warranty on the airend
- Global technical experience leading to a well-rounded point of view on machines and industry standards

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***Warranty subject to change based on region and distributor’s agreement.***

**5 year warranty requires the purchase of a Pneutech line filter with installation directly before the inlet of the dryer.***

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The air flow rates have been measured at the following working pressures: 109 PSI for models 116 PSI and 138 PSI for 145 PSI models.

The data and performances were recorded in accordance with standard ISO 1217.

Noise level measured according to PNEUROP/CAGI.
**RK-VSD Compressors**
The RK-VSD series has an energy efficient VFD inverter that gives you unlimited motor starts per hour, consistent discharge pressure, soft motor starts, 85% turndown, and reduced power consumption! This unit also comes standard with an electronic controller, low RPM with its oversized air end design, an oversized air/oil cooler, spin-on filtration, and much more!

**RK Fixed Speed Compressors**
The RK fixed speed compressors have a compact design, making it a great solution for many applications. These belt driven units make maintenance an easy task when the time comes. With large, easy to remove doors, the belt, oil, and filter changes are a breeze.

**CSO Condensate Separators**
The CSO 40-1250 series condensate oil water separators have been developed for excellent separation of lubricant and oils from condensate generated from rotary screw, rotary vane, and other types of compressor equipment. These units allow for EPA friendly disposal of your condensation.

**RSP Compressors**
The RSP series fixed speed rotary screw air compressors are an exceptionally durable line of higher horsepower air compressors. Routine maintenance is simplified because of this unit’s unique belt drive design and easily removable panels (when applicable). Two options that are available with this model of air compressor are low sound enclosure and/or TEFC motor.

**RSP-VSD Compressors**
The RSP-VSD series air compressor has a VFD inverter that helps you adapt to your factory’s fluctuating demand and thus save money and increase efficiency. The electronic controller on this machine allows you to easily program your pressure parameters, maintenance schedule, auto pressure scheduling up to 28 times per week, alarm diagnostics, and more!

**FHO Inline Filtration**
FHO inline filtration comes standard with differential pressure gauges and are protected with an interior and exterior powder coating finish. They hold a replaceable filter that can be quickly and inexpensively maintained. All housings come standard with internal float style drain valves.

**NGO Nitrogen Generators**
The PneuTech twin tower nitrogen generation system is a cost saving alternative to buying bottled nitrogen from another company. A relatively low initial investment combined with very low operating costs results in savings up to 60%! It’s upright and compact design has a minimal footprint.

**Your Strategic Partner in Compressed Air Systems**
www.pneutech.com
Our Mission Statement

Using our combined industry experience, we provide knowledge, support, and superior products to compressed air distributors across the globe. We are committed to producing positive results through being trustworthy, ethical, and accessible. We are founded in the beliefs that through working together we can continue to transform the industry, while rising to turn challenges into opportunities.