

# RK Series 15-75 VSD

Variable Speed Drive Rotary Screw Air Compressor



ECO-FRIENDLY



# *Efficiency Under Pressure*



# Industries Served



RK 15-75 VSD Series



# Features & Ben

## Vented Electrical Cabinet



Vented for maximum cooling of the drive (conveniently accessed from the front of the machine)

## Oversized Air/Oil Cooler



Easy-to-access and oversized to allow for higher ambient operating temperatures

## Spin-on Filtration



Spin-on air/oil separators and oil filtration allow for quick and effortless replacement

## Condensate Trap



The standard condensate trap, located at the discharge of the air cooler removes bulk water. Includes electric solenoid drain valve.



## Low RPM Air End Assembly



The oversized air end assembly allows for a low RPM design which provides reduced maintenance, cooler running conditions, and an extended life expectancy.

## Direct Drive Design



Direct drive eliminates gear-sets which increases efficiency and reduces noise and vibration levels

# efits



### Integrated Oil Sump Tank

The oil sump tank is integrated directly with the air end, filtration, thermal valve, and MPCV. This feature reduces hose connections and lessens the chance for oil leakage, and provides a compact design.



### TEFC Motor (totally enclosed fan-cooled)

As standard, all RK-VSD units come packaged with a TEFC motor. This feature protects the motor against dirty environments which increases bearing life and the overall longevity of the compressor.



## More Features

Benefits

### VFD Drive

Significant energy savings

### Cycling Cooling Fan

Energy savings/longer life

### Low Sound Enclosure

Quiet operation

### On-Demand HP

Production flexibility

### Removable Panels

Reduced service downtime

### Minimal Hose Design

Reduced chance for oil leakage

### Compact Footprint

Installation flexibility

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# Inverter and Controller



## VSD Inverter

UNLIMITED MOTOR STARTS PER HOUR

No inrush current to overheat the motor

CONSISTENT DISCHARGE PRESSURE

Set a 'target' pressure rather than load/unload setpoints. Consistent pressure means consistent production results.

SOFT MOTOR STARTS

As opposed to full voltage motor starts on most fixed speed machines, the VSD drive initiates slow motor starts, thus significantly lowering the demand on your electrical meter

UP TO 85% TURN-DOWN

The VFD runs the machine between 15-100% capacity in order to meet current demand.

REDUCED POWER CONSUMPTION

Unlike a fixed speed machine, KW consumption stays on par with your compressed air demand, resulting in significant energy savings.



## Electronic Controller

PRESSURE PARAMETERS

Set target pressure to match your exact demand

CURRENT DUTY CYCLE

Monitor the demand that production is putting on the compressor

MAINTENANCE TIMERS

Track and set your maintenance schedule

ALARM CONDITIONS/RESET

Past and current alarms are recorded, allowing for quick diagnosis

COOLING FAN CONTROL

Controls the air/oil cooling fan based on actual oil temperature conditions. Fan cycles only when needed.

DISCHARGE PRESSURE

Displays current air discharge pressure

OIL TEMPERATURE

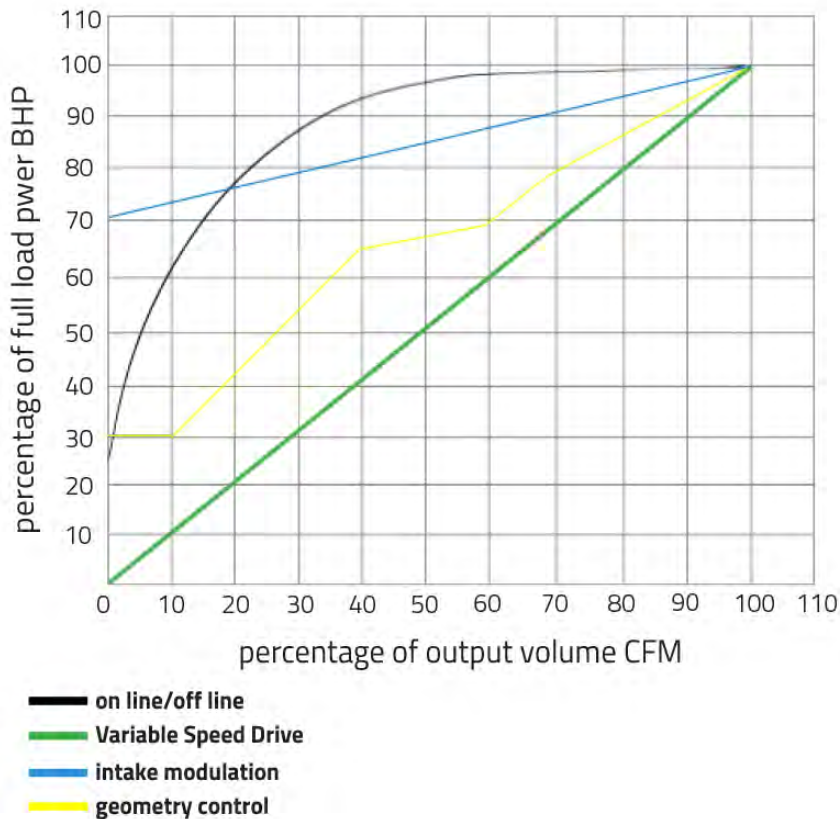
Protects against overheating by allowing this critical temperature to be easily monitored

PHASE MONITOR

Prevents reverse rotation and protects against power loss damage

# Specifications

Model	HP	KW	CFM	PSI	dBA	NPT	Voltage (3ph)	Dimensions	Weight
RK-15VSD-115B	15	11	0	115	65	3/4	460/3/60	53 x 28 x 48	705
RK-20VSD-115B	20	15	80	115	65	3/4	460/3/60	53 x 28 x 48	728
RK-25VSD-115B	25	18	97	115	68	1-1/4	460/3/60	66 x 30 x 56	794
RK-30VSD-115B	30	22	123	115	68	1-1/4	460/3/60	66 x 30 x 56	926
RK-40VSD-115B	40	30	166	115	68	1-1/4	460/3/60	66 x 30 x 56	1168
RK-50VSD-115B	50	37	217	115	68	1-1/4	460/3/60	81 x 39 x 71	2116
RK-60VSD-115B	60	45	260	115	68	1-1/4	460/3/60	81 x 39 x 71	2360
RK-75VSD-115B	75	55	310	115	68	1-1/4	460/3/60	81 x 39 x 71	2690



# Pneu-Assure



*5 year warranty on  
all major components\**

- Parts and labor warranty for 1 year  
(excludes regular maintenance)
- 5 year warranty on major components including:
  - Airend
  - Oil Sump Tank
  - Electric Motor(s)
  - Air Coolers
  - Oil Coolers
- Guaranteed full support from your certified distributor
- Global technical experience leading to a well-rounded point of view on machines and industry standards



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

\*\*Warranty is only valid providing a PneuTech approved service technician does the maintenance on the compressor.



# Why PneuTech?

*Personal Service*  
*Technical Support*  
*Customer Satisfaction*  
*Reliable*  
*Receptive & Adaptable*  
*Ethical*  
*Industry Experienced*  
*Global*

You are the number one 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 with the supply of air compressors and all associated equipment - so that's what we strive for.



**PneuTech**

United States  
United Kingdom  
Australia  
New Zealand

 **PneuTech**  
[www.pneutech.com](http://www.pneutech.com)

# Other PneuTech Products...



## *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.



## *RSP 40-450 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 40-450 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, web access, and so much more!



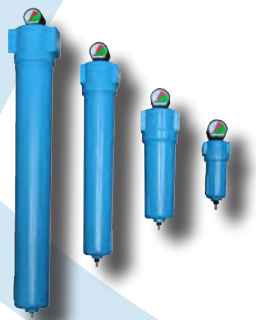
## *RDF Refrigerated Dryers*

The RDF series non-cycling dryers provide high quality of compressed air and deliver lower dewpoints at a relatively low initial cost. These dryers are compact in footprint and extremely reliable, requiring little maintenance. They come standard with a programmable controller, a digital dewpoint indicator, and an aluminum heat exchanger.



## *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.



## *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.



## *NGN Nitrogen Generators*

The PneuTech Modular 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 modular design allows it to fit through standard door openings and it can be handled easily by manual pallet lifts.

Providing  
**high efficiency**  
Delivering  
**exceptional value**  
of ownership



## 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.



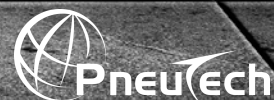
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