

RSP VSD Series

Rotary Screw Variable Speed Drive Air Compressors



Pneutech



ECO-FRIENDLY

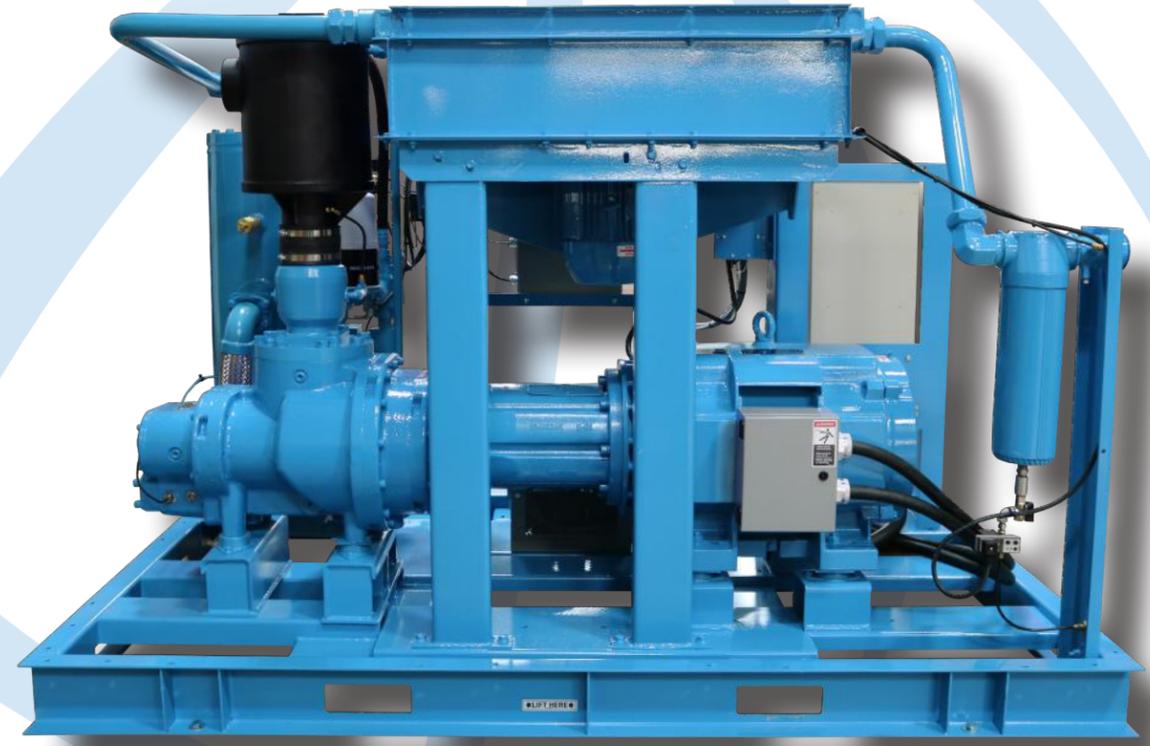
Efficiency Under Pressure

Industries Served



RSP 40-450 Series

Features & Benefits



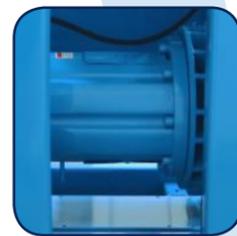
Electronic Control Cabinet

Electronic control cabinet gives the user customizable control over their air compressor



Direct Drive

Compressor is flange mounted to motor C-face for positive alignment and direct drive, thus leading to lower maintenance and repair



Main VSD Motor

The 208/230/460/575 three phase electric motor is a T-frame with a C-face flange. It is an induction type, open drip-proof design with squirrel cage cooling. TEFC motors are available on all models as an option.



Cooling System - Updraft Model

Cooling system with Independent V1000 Variable Frequency Drive is included. It has a large side-by-side oil cooler and aftercooler for easy cleaning.



VSD Fan Motor

The fan motor ensures optimum air flow for proper temperature control. Increased energy savings on fan motor during low RPM compressor operation. Safety shutdown feature is enabled when cooling fan power is interrupted.



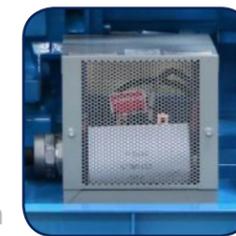
Variable Speed Drive

In contrast to the fixed speed air compressor, the VSD type regulates the speed of the motor depending on the amount of compressed air needed at a specific point in time. This makes the VSD feature very energy efficient.



Line Reactor

- Conditions incoming power
- Evens out voltage
- Power factor correction
- Electrical noise suppression
- Transient impulse protection



Oversized Air End

Oversized air end gives way for low RPM and leads to an extended lifetime for the machine, and reduced noise.



More Features...

Specifications

Electronic Controller



PRESSURE SCHEDULE

This feature allows you to program your daily operating schedule and allows shut off during factory shut down up to 28 different times per week.

BUILT-IN SEQUENCER

This will sequence up to 7 VFD or NON-VFD machines.

UPLOAD PRESSURE

Easily programmed to suit plant pressure requirements

ANALOG OUTPUT

Analog output can be used for pressure or temperature on inline and temperature display on updrafts

DUAL FUNCTION E-STOP

This characteristic helps with shutdown of VFD and electronic controller if an emergency occurs.

PROPORTIONAL INTEGRAL CONTROL

Allows for tighter control of pressure without the need for add-on line pressure flow controller devices

RS485 COMMUNICATION

Communication between the electronic controller and main VFD

Programmable Features

Auxiliary alarm on fault input, additional end user alarm or shutdown programmable for normally open or closed contact devices.



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 VFD drive initiates slow motor starts significantly lowers the demand on your electrical meter

UP TO 70% TURNDOWN

Allows for wide range of efficiency

REDUCED POWER CONSUMPTION

KW consumption stays on par with your compressed air demand resulting in significant energy savings



Options

- Power Outage Auto Restart
- Gauge Panel for Analog Verification
- NEMA 4 Electrics
- Enclosure Panels

Model	PSI	Frame	CFM	HP	kW	NPT	Voltage (3ph)	Dimensions (LxWxH)	Weight (enclosed)
RSP-40VSD	100	1200	195	40	30	1-1/4	230/460	80x34x49	1500
	125	1200	180	40	30	1-1/4	230/460	80x34x49	1500
	150	1200	160	40	30	1-1/4	230/460	80x34x49	1500
RSP-50VSD	100	1200	210	50	37	1-1/4	230/460	80x34x49	1700
	125	1200	205	50	37	1-1/4	230/460	80x34x49	1700
	150	1200	195	50	37	1-1/4	230/460	80x34x49	1700
RSP-60VSD	100	1200	320	60	45	1-1/4	230/460	80x34x49	2100
	125	1200	280	60	45	1-1/4	230/460	80x34x49	2100
	150	1200	225	60	45	1-1/4	230/460	80x34x49	2100

Model	PSI	Frame	CFM	HP	kW	NPT	Voltage (3ph)	Dimensions (LxWxH)	Weight (enclosed)
RSP-75FVSD	100	1600	390	75	55	1-1/2	230/460	91x56x62	3500
	125	1600	325	75	55	1-1/2	230/460	91x56x62	3500
	150	1600	302	75	55	1-1/2	230/460	91x56x62	3500
RSP-100VSD	100	1600	480	100	75	2	230/460	91x56x62	3620
	125	1600	440	100	75	2	230/460	91x56x62	3620
	150	1600	345	100	75	2	230/460	91x56x62	3620
RSP-125VSD	100	1600	588	125	90	2	230/460	91x56x62	3900
	125	1600	523	125	90	2	230/460	91x56x62	3900
	150	1600	469	125	90	2	230/460	91x56x62	3900
RSP-125VSD-20	100	2000	630	125	90	2	460	113x58x72	6475
	125	2000	545	125	90	2	460	113x58x72	6475
	150	2000	490	125	90	2	460	113x58x72	6475
RSP-150VSD	100	2000	740	150	110	2	460	113x58x72	6700
	125	2000	700	150	110	2	460	113x58x72	6700
	150	2000	610	150	110	2	460	113x58x72	6700
RSP-200VSD	100	2000	980	200	160	3	460	113x58x72	6925
	125	2000	900	200	160	3	460	113x58x72	6925
	150	2000	810	200	160	3	460	113x58x72	6925
RSP-250VSD	100	2000	1140	250	200	3	460	113x58x72	7150
	125	2000	1065	250	200	3	460	113x58x72	7150
	150	2000	960	250	200	3	460	113x58x72	7150
RSP-300VSD	100	2000	1150	300	225	3	460	113x58x72	7620
	125	2000	1145	300	225	3	460	113x58x72	7620
	150	2000	1140	300	225	3	460	113x58x72	7620
RSP-300VSD-32	100	3200	1500	300	225	3	460	135x80x84	11600
	150	3200	1566	350	260	3	460	135x80x84	12000
RSP-350VSD	100	3200	1650	350	260	3	460	135x80x84	12000
	125	3200	1566	350	260	3	460	135x80x84	12000
	150	3200	1533	400	300	3	460	135x80x84	14500
RSP-400VSD	100	3200	1790	400	300	3	460	135x80x84	14500
	125	3200	1633	400	300	3	460	135x80x84	14500
	150	3200	1533	400	300	3	460	135x80x84	14500
RSP-450VSD	100	3200	1910	450	335	4	460	135x80x84	15000
	125	3200	1770	450	335	4	460	135x80x84	15000
	150	3200	1633	450	335	4	460	135x80x84	15000

*Model numbers represent base model only and will change based on option selected

**Other pressures available

***Dimensions of 40,50, and 60 HP units may change depending on open frame or enclosure

Pneu-Assure



- ✓ Full parts and labor warranty for 1 year (excludes regular maintenance)
- ✓ 10 year parts and labor warranty on major components including:
 - ✓ Airend,
 - ✓ Oil Sump Tank,
 - ✓ Electric Motor(s),
 - ✓ Air Coolers,
 - ✓ Oil Coolers
 - ✓ and the Variable Speed Drive
- ✓ 10 year parts & labor warranty on the airend
- ✓ 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 a 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



Other PneuTech Products...



RK-VSD 15-75 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, 15% 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!



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.



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.



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.



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.



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.



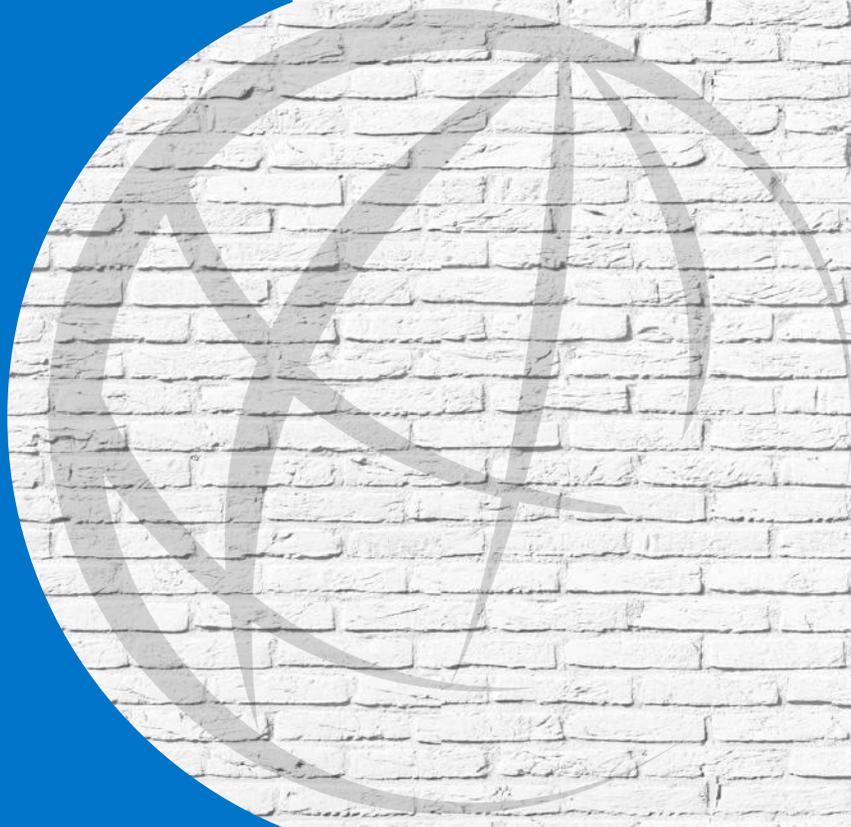
RDF Refrigerated Dryers

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.

Providing
high efficiency
Delivering
exceptional value
of ownership

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.



United States | Australia
United Kingdom | New Zealand