



Industrial Air Compressors & Compressed Air Systems

2017/18 PRODUCT GUIDE



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COMPRESSED AIR SYSTEMS – *UNDERSTOOD*

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SB Series Fixed Speed Rotary Screw Compressed Air Centres & Stand-alone Compressors

From 4kW(5.5hp) to 30kW(40hp)



Industry Leading Value

FEATURES

- Increased Efficiency
- Easy to Maintain
- Quiet Operation
- Extended Life Expectancy
- Belt Driven
- Reduced Maintenance
- Electronic Controls
- Spin-On Filtration
- TEFC Motor
- Soft Start
- 5 Year Warranty
- Low rpm
- Compact Design
- Serviceability
- Flexibility
- Tank Mounted Option
- Cost Effective
- Cycling Cooling Fan
- Reliable
- Cabinet Filtration
- Easy Access Aftercooler
- Auto Start/Stop
- Minimal Hose Connections

SB Benefits



Minimal Hose Design

With the unique design of the air end being directly connected to the oil sump assembly, multiple hoses are eliminated. Not only does this design reduce the possibility for leakage, but reduces restrictions to the flow of oil and air.



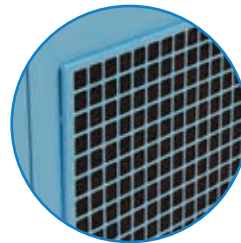
5 Year Warranty

The 5 year warranty includes parts and labor such as major components on the air end assembly, air/oil cooler, oil sump tank, and air receiver tank (if applicable). One year warranty including parts and labor on the complete package.



Belt Drive Design

The belt drive design reduces vibration by eliminating gear sets and allows for easy access when servicing either the air end or motor. With an easy tensioning mechanism, belt changes and tensioning are a breeze! Also, with easy-to-remove panels, access to this compartment couldn't be simpler.



Cabinet Filtration

An easy-to-access cabinet filter is standard on all SB series air compressors. This filter is washable for prolonged life and reduces maintenance on the complete machine, especially the air filter.



Electronic Controller

With the electronic controller as part of SB's standard features, this allows for user friendly parameter modifications and running status monitoring. This easy-to-use controller allows you to change load/unload pressures, off delay timers, star-delta start times, monitor running temperatures and differential pressures across filtration, and much more!



Star-Delta

All SB series air compressors come standard with star-delta start. This is a method of reduced amperage start up that saves energy and increases the life of the drive components including the pump, motor, and drive belt.



Serviceability

With removable enclosure panels, the SB series units are easy to service. Whether you're maintaining the compressor's filtration and oil, or servicing one of its major components, the task is completed with ease, keeping downtime to a minimum.



Compact Footprint & Ease of Handling

The compact design of the SB series compressor allows for minimal space requirements when it comes to the install, leaving more space for your production needs! Also, with it's built in fork lift pockets, handling into position is quick and safe.

SB Series Fixed Speed Rotary Screw Compressed Air Centres & Stand-alone Compressors



From 4kW(5.5hp) to 30kW(40hp)

Integrated Air Treatment

Pneutech SB Series Compressed Air Centres integrate a refrigerated compressed air dryer with a matching screw compressor and mount the combined unit on a horizontal air receiver. Many industries require dry, clean, compressed air, and with the SB's integrated refrigerated compressed air module, meeting this requirement is simple. These integrated models are available in the 4-15kw (5.5-20hp) range. Not only do these models reduce the need for interconnecting pipe work and electrical wiring to a stand-alone dryer, they significantly reducing the need for floor space.

Digital Dewpoint Indicator

All SB Series Compressed Air Centres come standard with a digital dewpoint indicator. This indicates the dewpoint of the compressed air, condensate drain, and controls the condenser fan via a temperature probe.

Serviceability

With easy-to-remove panels, all major components of the dryer are easily accessible. Whether cleaning the condenser coils, or making an unlikely repair, the job is an easy one. All models also include a service valve between the receiver tank and the dryer module to ensure safety when performing maintenance or repairs.

Single Point Condensate Drain

All SB models with the integrated dryer module come with a single point condensate line. This 1/2" line makes it simple to connect to the condensate management system.



SB Series Rotary Screw Air Compressors, Tank Mounted

Model	Motor Power (kW / hp)	Delivery (L/min / cfm)	Pressure (bar / psi)	Sound dB (A)	Tank (litres)	Voltage (V/Hz / ph)	Connection (BSP)	Dimensions LxWxH (mm)	Weight (kg)
SB055-27	4.0 / 5.5	490 / 17.3	10 / 145	65	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	240
SB075-27	5.5 / 7.5	690 / 24.4	10 / 145	66	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	243
SB100-27	7.5 / 10	980 / 33.4	10 / 145	67	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	286
SB150-27	11 / 15	1462 / 49.9	10 / 145	68	270	415 / 50 / 3	3/4"	1490 x 690 x 1520	297
SB150-50	11 / 15	1462 / 49.9	10 / 145	68	500	415 / 50 / 3	3/4"	1900 x 690 x 1610	337
SB200-27	15 / 20	1990 / 67.8	10 / 145	68	270	415 / 50 / 3	3/4"	1490 x 690 x 1520	306
SB200-50	15 / 20	1990 / 67.8	10 / 145	68	500	415 / 50 / 3	3/4"	1900 x 690 x 1610	347

SB Series Rotary Screw Compressed Air Centres - Tank Mounted Screw Compressors with Integrated Compressed Air Dryer

Model	Motor Power (kW / hp)	Delivery (L/min / cfm)	Pressure (bar / psi)	Sound dB (A)	Tank (litres)	Voltage (V/Hz / ph)	Connection (BSP)	Dimensions LxWxH (mm)	Weight (kg)
SB050-27D	4.0 / 5.5	490 / 17.3	10 / 145	65	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	240
SB075-27D	5.5 / 7.5	690 / 24.4	10 / 145	66	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	243
SB100-27D	7.5 / 10	980 / 33.4	10 / 145	67	270	415 / 50 / 3	1/2"	1490 x 600 x 1470	286
SB150-27D	11 / 15	1462 / 49.9	10 / 145	68	270	415 / 50 / 3	3/4"	1490 x 690 x 1520	297
SB150-50D	11 / 15	1462 / 49.9	10 / 145	68	500	415 / 50 / 3	3/4"	1900 x 690 x 1610	337
SB200-27D	15 / 20	1990 / 67.8	10 / 145	68	270	415 / 50 / 3	3/4"	1490 x 690 x 1520	306
SB200-50D	15 / 20	1990 / 67.8	10 / 145	68	500	415 / 50 / 3	3/4"	1900 x 690 x 1610	347

SB Series Rotary Screw Air Compressors - Stand-alone

Model	Motor Power (kW / hp)	Delivery (L/min / cfm)	Pressure (bar / psi)	Sound dB (A)	Tank (litres)	Voltage (V/Hz / ph)	Connection (BSP)	Dimensions LxWxH (mm)	Weight (kg)
SB250	18.5 / 25	2540 / 89.7	10 / 145	69	*	415 / 50 / 3	1-1/4"	1060 x 860 x 1240	370
SB300	22 / 30	3020 / 106.7	10 / 145	69	*	415 / 50 / 3	1-1/4"	1060 x 860 x 1240	422
SB400	30 / 40	4210 / 148.7	10 / 145	70	*	415 / 50 / 3	1-1/4"	1060 x 860 x 1240	455

PR Series Standard Drive & Variable Speed Rotary Screw Air Compressors

From 37kW (50hp) to 630kW (845hp)



Pneutech PR Series Rotary Screw Compressors are leading edge industrial machines resulting from a continuing focus on quality engineering, quality manufacture and energy saving technology. These Compressors offer an energy efficient solution to industrial air compressor requirements from 5.5 to 630 kW.

Available with pressure options from 7 to 25 bar the PR Series screw compressor range is designed and built to provide efficient and reliable delivery of compressed air over a long service life in the most demanding environments.

Features



Integrated Base Structure

PR Series compressors do not require special foundations at site due to their heavy duty base structure allowing greater flexibility in handling and installation.



Patented Internal Layout

The internal layout of the compressors is divided into Hot and Cold Cells which are thermally isolated from each other to enhance heat dissipation and keep ancillary components cool for extended working life. This feature is patented.



High Efficiency Electric Motors

These motors conform to Minimum Energy Performance Standards, have low rotation speed for lower vibration and noise emission and have IP55 protection with F-grade insulation for longer service life.



Reliable Direct Action Solenoid Valve

Of quality German manufacture, the Burkert direct action solenoid valve is more sensitive and more reliable than traditional pilot operated solenoid valves making the control system more accurate and responsive.



Full Sound Enclosure

Full enclosure of the compressors by means of removable panels lined with sound-retarding insulation reduces overall sound levels and yet gives maximum accessibility to all components. Careful layout of components also adds to the convenience of keeping the machine clean for maximum reliability.



Combined Aftercooler & Moisture Separator

By mounting the aftercooler and moisture separator together this clever design saves space and reduces costs by eliminating components and saving energy through improved air flow and reduced leakage. A further effect of the improved airflow is that the efficiency of the separator is increased resulting in further energy savings.



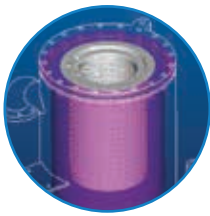
High Quality Thermostatic Valve

Sourced from AMOT in England this highly reliable valve ensures the stable operation of the compressor by controlling oil temperature. The mounting of this valve in the bottom of the oil filter decreases pressure loss, allows closer control of the oil temperature and reduces the chance of leakage by eliminating linking pipework and connections.



Less Connections

As a result of simplifying component sub-assemblies to minimise leakage due to pipe connections Pneutech PR Series compressors have up to 30% less pipework than similar products. A direct result of these simplifications is energy savings due to improved air flow and, in the longer term, due to the elimination of leakage.



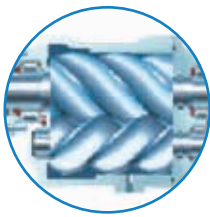
High Efficiency Oil Separator

The separator is fitted with a fine secondary element to improve oil separation and enhance output air quality. The unique seating and earthing of the separator element reduces the chance of fire caused by oil leakage and static electricity build-up.



Integrated Oil Filter & Thermostat Valve

This design decreases the number of installed pipes and connections thus reducing pressure losses and leakage points and resulting in energy savings. It also eliminates points where accidents can occur when connections have to be undone and resealed.



Advanced Technology Air End

Featuring advanced high precision 5/6 lobe design. The optimized profile and seal line of this design are conducive to high efficiency and durability and ultimately minimise leakage to give improved volumetric efficiency. Large diameter rotors with low rotary speed and optimum aspect ratio ensure high output, lower power consumption, low noise levels and longer service life.



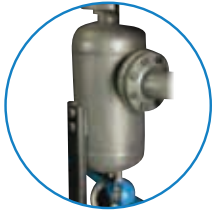
Combination Oil Cut-off & Exhaust Valve

The combination of these two valves simplifies mounting and facilitates connection. It also allows reduced load motor starting thereby saving energy and increasing the overall service life of the motor. This unique design removes any dead start issues under shut down and/or at low-temperatures and enables the compressor to operate reliably under a wider range of environmental conditions.

PR Series Standard Drive & Variable Speed Rotary Screw Air Compressors



From 37kW (50hp) to 630kW (845hp)



Multi-purpose Moisture Separator

Embodying German technology this separator effectively removes the condensate from the compressed air after it has passed through the aftercooler. Once the condensate in the separator reaches a certain level the auto drain is activated automatically to drain the condensate away, thus preventing clogging of the separator. Up to 70% of the moisture in the compressed air is removed by this means greatly improving the overall quality of the compressed air. Condensate build-up can also be drained manually during maintenance by using the manual drain valve at the base of the separator.



EPC Electronic Control System

Pneutech PR Series Air Compressors are equipped with an EPC intelligent control system to guarantee optimised fully automatic operation. The discharge pressure is controlled between upper and lower limits by the operation of the inlet valve based on temperature and pressure data processed by the EPC controller. This results in a very stable compressor output pressure.

The system will shut down automatically when the compressor is not required for a set period of time and then re-start upon detection of a pressure drop approaching the lower set point. This maintains output pressure stability whilst, at the same time, saving energy.

The EPC intelligent control system is also capable of promptly detecting and diagnosing various malfunctions in the compressor during operation. This helps to eliminate damage fallout from the malfunction and therefore prolongs the service life of the compressor.



Local Controls

Local control settings within the overall compressed air system have the following features:

- Easy to read displays, feather-touch controls, simple logic and convenient menu selection.
- Star/delta start-up, loading and shut-down timers and the overpressure cut-out can all be set and controlled during operation.
- Detection and rectification of various faults or malfunctions can easily be done on site.
- Type and time of occurrence of all operational faults are recorded for subsequent reference.
- Inbuilt Service Calendar showing correct times of service intervals etc.
- Accumulative recording over extended periods of run hours, loaded hours, un-loaded hours and overall service hours of various filters and other consumables.
- Preset parameters and accumulated hours can be checked at any time during operation.
- Parameters can be revised and re-set by client.



Linked Multiple Compressors

Using the standard EPC intelligent controller built into every PR Series screw compressor, up to four compressors can be linked together to run sequentially. One compressor can be set as the main machine and the rest as auxiliary or standby machines. With special additional control components up to 16 compressors can be linked in this way. Such set-ups can be optimised to guarantee a stable and economic air supply. Furthermore, the start/up and shut-down sequences of the compressors can be automatically adjusted and the accumulated working hours of each compressor can be balanced by the EPC Electronic Control System to give maximum energy saving.

Energy Saving Air Inlet Control System

This latest design integrates the air inlet and air discharge of the compressor to reduce the control pipeline to a minimum thus minimising response times and saving energy. The check valve is installed in the air flow control system and closes automatically when the compressor shuts down or the air supply is stopped suddenly. This prevents the compressed air from back-flowing and causing oil overflow with consequent pollution risks.

Pneutech PR compressors have three air flow adjustment modes:

- Two point air flow control (ON/OFF)
- Infinite air flow control (60%-100%)
- Delayed automatic shutdown/start-up

All of these modes are controlled by the inlet valve, EPC control system and pressure sensors. Using these options the compressors can be set up to provide the best energy solutions for various users.

Heavy Duty High Efficiency Air Inlet Filter

Fitted with high efficiency filter elements specifically designed for the mechanical ventilation industry these filters provide the best possible protection for internal components, have an extended service life and require no maintenance. Other features of the inlet filter system on the PR compressors are:

- Reduced pressure drop due to straight through design
- Up to 3% more energy efficient than conventional air filters
- Larger filter area for extended element life
- High efficiency filter elements down to 1 micron.

Remote Control Operation

Compressor start-up, shutdown, performance and fault development can be monitored and controlled remotely via an optional central control board (DCS) through passive dry contact terminals built into each machine.

Reputable Electrical Components

All major electrical components in the PR Series compressors are manufactured by either SIEMENS of Germany or ABB of U.S.A.

Quality Air Filter Elements

Manufactured by the Donaldson Company of U.S.A. the air filter elements have special Nano-coating which ensures a constant flow direction thus reducing pressure losses and saving energy. This coating also increases filter life and filter efficiency.

Quality Oil Filter Elements

Also manufactured by Donaldson, these elements embody durability and efficiency designed to maximise operational consistency.

Core Air/Oil Separator Element

Of European OEM manufacture, these elements are designed so that the interaction of the oil tank, the core element and the oil-return device ensure the resultant oil quality is ≤ 2 ppm.

Host Computer Control

More than two compressors can be linked to and controlled by a host computer which collects, displays and processes data from each compressor to provide optimised co-ordinated control of the overall compressed air facility. By setting the overall system parameters in the host computer the user can control all aspects of his compressed air supply over a chosen time frame to optimise his energy consumption and achieve maximum cost savings. Advantages of the host computer control are:

- Obtain and display site data.
- Vivid graphical display.
- Monitoring of equipment operation status.
- Data is recorded in a central and accessible database.
- Data history report forms can be automatically generated for inquiry.
- Setting of operating parameters for the air compressor controller.
- Display of trend curve parameters of pressure, temperature etc
- Actual and historical alarm timing.
- Important operation information accessibility.
- Single air compressor testing.
- Automatic reminders for maintenance and/or replacement of parts.
- Customized PLC central control solutions to facilitate the human-computer interface by IPC, LCD, DCS and configuration software to achieve remote monitoring and control.

PR Series Standard Drive & Variable Speed Rotary Screw Air Compressors



From 37kW (50hp) to 630kW (845hp)

Standard Drive

Model	Motor Power (kW / hp)	Delivery (L/min / cfm)	Pressure (bar / psi)	Sound dB (A)	Voltage (V/Hz / ph)	Connection (BSP)	Dimensions L x W x H (mm)	Weight (kg)
PR050-08	37 / 50	6500 / 230	08 / 116	72	415 / 50 / 3	1-1/2"	1350 x 1150 x 1450	980
PR050-10	37 / 50	5800 / 205	10 / 145	72	415 / 50 / 3	1-1/2"	1350 x 1150 x 1450	980
PR060-08	45 / 60	7800 / 275	08 / 116	72	415 / 50 / 3	1-1/2"	1350 x 1150 x 1450	1030
PR060-10	45 / 60	7000 / 247	10 / 145	72	415 / 50 / 3	1-1/2"	1350 x 1150 x 1450	1030
PR075-08	55 / 74	9800 / 346	08 / 116	73	415 / 50 / 3	DN50	2100 x 1350 x 1550	1780
PR075-10	55 / 74	8500 / 300	10 / 145	73	415 / 50 / 3	DN50	2100 x 1350 x 1550	1780
PR100-08	75 / 101	12500 / 441	08 / 116	73	415 / 50 / 3	DN50	2100 x 1350 x 1550	1870
PR100-10	75 / 101	10800 / 381	10 / 145	73	415 / 50 / 3	DN50	2100 x 1350 x 1550	1870
PR120-08	90 / 121	15200 / 537	08 / 116	76	415 / 50 / 3	DN50	2200 x 1300 x 1750	2140
PR120-10	90 / 121	13600 / 480	10 / 145	76	415 / 50 / 3	DN50	2200 x 1300 x 1750	2140
PR150-08	110 / 147	20000 / 706	08 / 116	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3300
PR150-10	110 / 147	17500 / 618	10 / 145	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3300
PR175-08	132 / 177	23000 / 812	08 / 116	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3400
PR175-10	132 / 177	20600 / 727	10 / 145	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3400
PR215-08	160 / 214	27000 / 953	08 / 116	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3750
PR215-10	160 / 214	25000 / 883	10 / 145	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3750
PR240-08	180 / 241	30000 / 1059	08 / 116	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3790
PR240-10	180 / 241	27000 / 953	10 / 145	76	415 / 50 / 3	DN80	3050 x 1850 x 2120	3790
PR270-08	200 / 268	33500 / 1183	08 / 116	76	415 / 50 / 3	DN100	3400 x 1850 x 2120	5100
PR270-10	200 / 268	32000 / 1130	10 / 145	76	415 / 50 / 3	DN100	3400 x 1850 x 2120	5100
PR335-08	250 / 335	43000 / 1519	08 / 116	76	415 / 50 / 3	DN100	4000 x 2120 x 2200	6150
PR335-10	250 / 335	38000 / 1342	10 / 145	76	415 / 50 / 3	DN100	4000 x 2120 x 2200	5930
PR375-08	280 / 375	50200 / 1773	08 / 116	76	415 / 50 / 3	DN100	4000 x 2120 x 2200	6250
PR375-10	280 / 375	42000 / 1483	10 / 145	76	415 / 50 / 3	DN100	4000 x 2120 x 2200	5930
PR425-08	315 / 422	56000 / 1978	08 / 116	76	415 / 50 / 3	DN125	4350 x 2050 x 2300	7500
PR425-10	315 / 422	50000 / 1766	10 / 145	76	415 / 50 / 4	DN125	4350 x 2050 x 2300	7500
PR475-08	355 / 476	66000 / 2330	08 / 116	76	415 / 50 / 4	DN125	4350 x 2050 x 2300	8400
PR475-10	355 / 476	55000 / 1942	10 / 145	76	415 / 50 / 3	DN125	4350 x 2050 x 2300	8400
PR535-08	400 / 536	71500 / 2525	08 / 116	76	415 / 50 / 3	DN150	6000 x 2150 x 2300	8400
PR535-10	400 / 536	62000 / 2190	10 / 145	76	415 / 50 / 3	DN150	6000 x 2150 x 2300	8400
PR600-08	450 / 603	82000 / 2896	08 / 116	76	415 / 50 / 3	DN150	6000 x 2150 x 2300	9000
PR600-10	450 / 603	72000 / 2543	10 / 145	76	415 / 50 / 3	DN150	6000 x 2150 x 2300	9000
PR670-08	500 / 670	87000 / 3072	08 / 116	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	9500
PR670-10	500 / 670	80000 / 2825	10 / 145	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	9500
PR750-08	560 / 751	96000 / 3390	08 / 116	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	10000
PR750-10	560 / 751	86000 / 3037	10 / 145	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	10000
PR845-08	630 / 845	120000 / 4238	08 / 116	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	10000
PR845-10	630 / 845	100000 / 3531	10 / 145	76	415 / 50 / 3	DN200	4650 x 2150 x 2300	10000

Variable Speed Drive

Model	Motor Power (kW / hp)	Delivery (L/min / cfm)	Pressure (bar / psi)	Sound dB (A)	Voltage (V/Hz / ph)	Connection (BSP)	Dimensions L x W x H (mm)	Weight (kg)
PR50-08V	37 / 50	6500 / 230	08 / 116	72	415 / 50 / 3	1-1/2"	1450 x 1280 x 1450	1100
PR50-10V	37 / 50	5800 / 205	10 / 145	72	415 / 50 / 3	1-1/2"	1450 x 1280 x 1450	1100
PR60-08V	45 / 60	7800 / 275	08 / 116	72	415 / 50 / 3	1-1/2"	1450 x 1280 x 1450	1150
PR60-10V	45 / 60	7000 / 247	10 / 145	72	415 / 50 / 3	1-1/2"	1450 x 1280 x 1450	1150
PR75-08V	55 / 74	9800 / 346	08 / 116	73	415 / 50 / 3	DN50	2200 x 1300 x 1750	1800
PR75-10V	55 / 74	8500 / 300	10 / 145	73	415 / 50 / 3	DN50	2200 x 1300 x 1750	1800
PR100-08V	75 / 101	12500 / 441	08 / 116	73	415 / 50 / 3	DN50	2200 x 1300 x 1750	2000
PR100-10V	75 / 101	10800 / 381	10 / 145	73	415 / 50 / 3	DN50	2200 x 1300 x 1750	2000
PR125-08V	90 / 121	15200 / 537	08 / 116	76	415 / 50 / 3	DN50	2200 x 1300 x 1750	2200
PR125-10V	90 / 121	13600 / 480	10 / 145	76	415 / 50 / 3	DN50	2200 x 1300 x 1750	2200
PR145-08V	110 / 147	20000 / 706	08 / 116	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3500
PR145-10V	110 / 147	17500 / 618	10 / 145	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3500
PR175-08V	132 / 177	23000 / 812	08 / 116	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3600
PR175-10V	132 / 177	20600 / 727	10 / 145	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3600
PR215-08V	160 / 214	27000 / 953	08 / 116	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3900
PR215-10V	160 / 214	25000 / 883	10 / 145	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	3900
PR240-08V	180 / 241	30000 / 1059	08 / 116	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	4200
PR240-10V	180 / 241	27000 / 953	10 / 145	76	415 / 50 / 3	DN80	3200 x 1850 x 2120	4200
PR270-08V	200 / 268	33500 / 1183	08 / 116	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	5600
PR270-10V	200 / 268	32000 / 1130	10 / 145	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	5600
PR335-08V	250 / 335	43000 / 1519	08 / 116	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	6900
PR335-10V	250 / 335	38000 / 1342	10 / 145	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	6900
PR375-08V	280 / 375	50200 / 1773	08 / 116	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	7100
PR375-10V	280 / 375	42000 / 1483	10 / 145	76	415 / 50 / 3	DN100	3700 x 2120 x 2200	7100
PR422-08V	315 / 422	56000 / 1978	08 / 116	76	415 / 50 / 3	DN125	5000 x 2050 x 2500	9000
PR422-10V	315 / 422	50000 / 1765	10 / 145	76	415 / 50 / 3	DN125	5000 x 2050 x 2500	9000
PR475-08V	355 / 476	66000 / 2331	08 / 116	76	415 / 50 / 3	DN125	5000 x 2050 x 2500	9800
PR475-10V	355 / 476	55000 / 1942	10 / 145	76	415 / 50 / 3	DN125	5000 x 2050 x 2500	9800

PN Series Heavy Duty 2-Stage Piston Compressors

From 5.5kW (7.5hp) to 22.5kW (30hp)



PN075TS



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
5.5 / 7.5	850 / 30	708 / 25	12 / 175	165	Belt	710

PN100T



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
7.5 / 10.0	1161 / 41	906 / 32	12 / 175	340	Belt	980

PN150T



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
11 / 15	1614 / 57	1303 / 46	12 / 175	340	Belt	1030

PN200T



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
15 / 20	2355 / 83	1841 / 65	12 / 175	340	Belt	1000

PN250T



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
18.5 / 25	2908 / 103	2379 / 84	12 / 175	340	Belt	935

PN300T



Power (kW / hp)	P.D. (L/min / cfm)	F.A.D* (L/min / cfm)	Pressure (bar / psi)	Tank (litres)	Drive	Speed (rpm)
22.5 / 30	3250 / 115	2690 / 95	12 / 175	340	Belt	1045

Refrigerated Compressed Air Dryers



From 350L/min (12cfm) to 22000L/min (777cfm)

Pneutech refrigerated dryers remove water from compressed air by refrigeration and condensation. They are essential for all applications where water vapour in the compressed air supply is detrimental to the function of the equipment being operated.

Pneutech refrigerated dryers achieve excellent performance even in instances of high ambient and high inlet temperatures. Their highly efficient and ultra-compact modular aluminium heat exchanger coils are able to operate effectively in ambient temperatures up to 45°C, inlet air temperatures up to 55°C and inlet air pressures up to 14barg.

The data below is based on the following nominal conditions: ambient temperature 25°C, inlet air 7barg / 35°C and pressure dewpoint 5°C (-20.5°C atmospheric pressure).



SPECIFICATIONS

Model	Refrigerant	Flow Rate (L/min / cfm)	Connections (BSP)	Power Supply (V/Hz / ph)	Dimensions WxDxH (cm)	Weight (kg)
RDF012	R 134.a	350/12	3/8"	1/240/50	310 x 345 x 435	21
RDF021	R 134.a	600/21	1/2"	1/240/50	370 x 515 x 475	25
RDF034	R 134.a	950/34	1/2"	1/240/50	370 x 515 x 475	26
RDF042	R 134.a	1200/42	1/2"	1/240/50	370 x 515 x 475	28
RDF064	R 134.a	1800/64	1/2"	1/240/50	370 x 515 x 475	32
RDF088	R 134.a	2500/88	1"	1/240/50	345 x 420 x 740	34
RDF113	R 134.a	3200/113	1-1/4"	1/240/50	345 x 445 x 740	39
RDF152	R 407C	4300/152	1-1/4"	1/240/50	345 x 445 x 740	40
RDF184	R 407C	5200/184	1-1/4"	1/240/50	485 x 455 x 825	49
RDF216	R 407C	6100/216	1-1/2"	1/240/50	555 x 580 x 885	54
RDF265	R 407C	7500/265	1-1/2"	1/240/50	555 x 580 x 885	56
RDF371	R 407C	10500/371	2"	1/240/50	555 x 625 x 975	94
RDF459	R 407C	13000/459	2"	1/240/50	555 x 625 x 975	96
RDF594	R 407C	16800/594	2-1/2"	1/240/50	665 x 725 x 1105	144
RDF671	R 407C	19000/671	2-1/2"	3/415/50	645 x 920 x 1100	189
RDF777	R 407C	22000/777	2-1/2"	3/415/50	645 x 920 x 1100	212

Condensate Separators - CKL Series

For efficient removal of bulk liquids from compressed air.

Pneutech Condensate Separators use standard filter housings without a differential pressure gauge. They use centrifugal motion to force the condensate out of the air and onto the wall of the separator housing. The condensate then travels down the wall of the housing where it collects at the bottom and is removed out of the system by a condensate drain.

SPECIFICATIONS

Model	Port Size (BSP)	Flow Rate (cfm)		Dimensions (mm)		
		100psi	125psi	Bowl Clearance	Height	Diameter
CKL-45	1/2"	91	116	76.2	164	101.6
CKL-80	3/4"	138	173	101.6	225.5	101.6
CKL-200	1"	215	269	127	389.5	127
CKL-460	1-1/2"	452	565	177.8	533	127
CKL-885	2"	753	954	787.4	758.5	177.8
CKL-1000	2-1/2"	1447	1809	787.4	758.5	177.8
CKL-1625	3"	1677	2096	241.3	635.5	254



Filter Housings - FHO Series

Pneutech Filter Housings come standard with a differential pressure gauge and an automatic float drain with manual testing functionality.

All filter housings are protected with an interior and exterior powder coated finish.

All coalescing filter elements utilise a pleated media design to increase surface area. The higher surface area decreases pressure drop and maximises the contaminant holding capacity of the element.

SPECIFICATIONS

Model	Port Size (BSP)	Flow Rate (cfm)		Dimensions (mm)		
		100psi	125psi	Bowl Clearance	Height	Diameter
FHO-45	1/2"	44.8	56.9	76.2	203.2	101.6
FHO-80	3/4"	79.8	99.9	101.6	279.4	101.6
FHO-200	1"	199.9	249.7	127	482.6	127
FHO-460	1-1/2"	459.8	574.9	177.8	660.4	127
FHO-885	2"	885.0	904.8	787.4	939.8	177.8
FHO-1000	2-1/2"	999.8	1249.8	787.4	939.8	177.8
FHO-1625	3"	1624.8	2031.7	241.3	787.4	254



*Elements ordered separately - see following page.

Filter Elements

Pneutech Filter Elements are designed for protection of downstream compressed air systems & equipment against failure due to contaminated air. They ensure efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 16 bar. Optional internal and external condensate drains should be used for efficient condensate drainage from filter housings.



UTILITY GRADE COALESCING

- General compressed air filtration
- 99.999% efficiency
- Particulate removal down to 1 Micron
- Max oil carryover 0.4 ppm w/w
- Nominal pressure drop 0.75 psi
- ISO 8573 (Class 2)

SPECIFICATIONS

Element #	Micron	Housing
9060105	1	FHO-45
9060125	1	FHO-80
9060195	1	FHO-200
9060255	1	FHO-460
9060305	1	FHO-885
9060330	1	FHO-1000
9060380	1	FHO-1625



HIGH EFFICIENCY COALESCING

- High quality compressed air filtration
- 99.999% efficiency
- Particulate removal down to 0.01 Micron
- Max oil carryover 0.008 ppm w/w
- Nominal pressure drop 0.5 psi
- ISO 8573 (Class 1)

SPECIFICATIONS

Element #	Micron	Housing
9060110	0.01	FHO-45
9060140	0.01	FHO-80
9060200	0.01	FHO-200
9060260	0.01	FHO-460
9060310	0.01	FHO-885
9060335	0.01	FHO-1000
9060385	0.01	FHO-1625



ACTIVATED CARBON

- High purity extended surface area
- Activated carbon removes hydrocarbon mist and vapor
- Max oil carryover 0.002 ppm w/w
- Nominal pressure drop 1.2 psi
- Particulate removal down to 0.005 Micron

SPECIFICATIONS

Element #	Micron	Housing
9060085	.005	FHO-45
9060115	.005	FHO-80
9060175	.005	FHO-200
9060235	.005	FHO-460
9060290	.005	FHO-885
9060315	.005	FHO-1000
9060365	.005	FHO-1625



2 IN 1 FILTRATION

- Particulate removal or coalescing prefiltration
- 99.99% efficiency
- Particulate removal down to 1 micron
- Nominal pressure drop 0.5 psi
- ISO 8573 (Class 3)

SPECIFICATIONS

Element #	Micron	Housing
9060090	1	FHO-45
9060120	1	FHO-80
9060180	1	FHO-200
9060240	1	FHO-460



Air receiver tanks receive compressed air from the compressor pump and store it until required. They are utilised to meet peak demand where short duration air requirements exceed compressor pump capacity. Compressors up to 22kW (30hp) are often mounted on a horizontal air receiver which forms an integral part of the compressor unit and its control system.

Vertical air receivers have a smaller footprint than horizontal receivers and can be used as primary or secondary storage reservoirs in a compressed air system.

Strategic placement of such a receiver next to a distant piece of equipment with this type of demand enables an immediate air supply without pressure drop due to the friction effects of a long run of pipe.



SPECIFICATIONS

Model	Volume		Design Pressure			Height	Diameter	Weight
	litres	psi	kPa	bar	mm	mm	kg	
AR0150-V	147	210	1450	14.5	1772	383	80	
AR0330-V	330	174	1200	12.0	2390	466	150	
AR0520-V	520	206	1420	14.2	3000	518	220	
AR0750-V	750	167	1150	11.5	3022	622	390	
AR1200-V	1184	145	1000	10	3050	762	552	
AR2300-V	2280	160	1100	11.0	2870	1067	900	
AR5000-V	5200	160	1100	11.0	3705	1219	1800	

Condensate Drain - Zero Loss - Direct Mount

For minimum loss condensate drainage from compressed air systems.

- Air Compressors
- Aftercoolers
- Cyclonic Separators
- Air Receivers
- Air Dryers
- Air Filters

SPECIFICATIONS

Model Number	Inlet Port (BSP)	Discharge Port (BSP)	Pressure (psi)	Temp. Range (°C)	Dimensions LxWxH (mm)	Max L/hr
ACD-DM	1/2"	1/2"	290	1.5-65	135 x 110 x 130	167



Condensate Drain - Zero Loss - Remote Mount

- Large Inlet and discharge ports for maximum flow.
- Test button for testing float valve operation.
- Stainless steel float protects the drain from corrosion and rust ensuring long operating life.

SPECIFICATIONS

Model Number	Inlet Ports (BSP)	Discharge Port (BSP)	Pressure (psi)	Temp. Range (°C)	Dimensions LxWxH (mm)	Max L/hr
ACD-RM	1/2"	3/8"	85-175	0.5-60	186 x 80 x 105	208





Mission Statement

"Using the experience, technical knowledge, and commercial strengths of our international group to bring optimum solutions for compressed air equipment and accessories to our global market"

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DISCLAIMER: The information given in this Brochure is provided as a guide only. It is the responsibility of the user to ensure that a product is suitable for the intended use. Due to continuous product development technical specifications may vary from those photographed or listed herein. E&OE

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