



## **RSCR SERIES**

Direct Drive Rotary Screw Compressors

# A LIFETIME INVESTMENT...

*Pneutech not only provides guaranteed compressed air to a quality that meets and exceeds your expectations but also takes responsibility for your compressed air system and will stand behind its operation and performance for as long as you require it.*

With major distribution centres, strategically positioned in 5 corners of the globe, Pneutech will assess, measure and record your particular compressed air requirement and provide a global input solution tailor designed to suit your operation. With decades of internationally combined expertise, the Pneutech compressed air experience will bring you a sound lifetime investment and most importantly, complete peace of mind.



## THE PNEUTECH GROUP STATEMENT

"With such international connections, the Pneutech Group has the performance and integrity that only comes from personal commitment combined with global resources, to provide a truly innovative and flexible solution for your application."



## NO ONE EVER REGRETTED BUYING QUALITY

The essence of a good compressed air investment is regarded as "lifetime cost".

Lifetime cost is a combination of initial capital cost, energy cost, maintenance costs and any other associated remedial costs, all added together over the lifetime of the compressor. It is no surprise that Pneutech RSCR Screw Compressors boast the lowest of lifetime costs when compared with equivalent models in today's industry.

Remember: "The bitterness of poor quality remains long after the sweetness of low price has been forgotten"



The unparalleled Gold Guarantee provides you with complete peace of mind for 10 years\* when run in conjunction with the master maintenance plan. Simply set it and forget it.

\*Conditions apply – see gold guarantee info sheet.

# ... AND PEACE OF MIND

*Pneutech RSCR rotary Screw compressors come with a world leading standard guarantee ... 10 years.*



Pneutech's unique maintenance programme removes the hassle of organising your own service, the risk of factory breakdowns and the pressure of locating standby air. Our Master Maintenance programme plan provides complete peace of mind.



Pneutech RSCR rotary screw compressors will continue pumping air around the clock, 24 hours a day, 7 days a week, 365 days a year.



# RSCR RANGE

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# PNEUTECH RSCR SERIES FIXED SPEED DRIVE

*Pneutech's RSCR Series direct drive rotary screw compressors are fast becoming a status symbol for strength and Solidity. Renowned for their unparalleled performance and long term reliability, these flagship screw compressors demonstrate superior design and cutting edge technology, combined with proven engineering.*

## COMPARE THESE FEATURES

### BUILT TO LAST

Pneutech RSCR series rotary compressors are designed and engineered strong to sustain operation in the worst of Australian and New Zealand conditions.

They are built heavy to ensure relentless 'around the clock' use in the most industrial of mine sites, blasting booths and manufacturing plants, 365 days a year.

Compare the physical dimensions and weight of these power houses – at up to 50% larger and heavier than most other equivalent rotary compressors available, that is because Pneutech rotary screw compressors are built to last.



### EVER RELIABLE

Oversized air intake filtration ensures the high performance and precision machined rotors are kept in clean pristine condition for trouble free operation.

The 3-stage oil cleansing process with extra large oil separator tank allows for up to 8,000 hour oil change intervals, as the lubricant passes through the stringent purifying process, providing ultimate lubrication to the heavy duty bearing assemblies. Utilising a double sized air end, spinning at less than half the RPM of similar belt driven models, the PneuTech RSCR series screw compressor is ever reliable.

### LESS MAINTENANCE

Large open access cabinet, quick release service panels on every side, and spin on/off filtration aids fast routine maintenance, reducing downtime. With superior direct coupled transmission, internal contamination is kept to an absolute minimum, reducing the frequency of filter and lubricant change. Solid steel and reliable seamless tubing provides a safe leak-free environment, while the slow revving air end makes for more stable temperature control, reducing metal fatigue and consequent machine wear. These are just some of the reasons why maintenance on the PneuTech RSCR series is considerably less.



### LOWER OPERATION COST

With a substantially reduced maintenance factor, PneuTech RSCR series compressors also reduce factory downtime to a minimum, promoting sustained productivity.

The direct drive transmission ensures more energy is transferred to the revolving rotors, with minimal loss, while the oversized air end can sustain longer operating hours before any overhaul is required.

PneuTech direct-to-factory parts supply, ensures service rates are kept very competitive and in some instances the overall PneuTech operating cost can be less than half that of other equivalent models.

### QUALITY AIR SUPPLY

There is no compromise in compressed air quality. The PneuTech multiple oil separation system, means 99.9% of all oil contamination is removed from the exiting compressed air supply, while the large air/water cooled radiators ensure the air is comparatively dry and moisture-free.



This quality compressed air supply is maintained 100%, and whether the environment is icy cold or hot and desert-like, whether dry and dusty or very humid, the PneuTech RSCR series screw compressor can be relied upon to keep you in business.



# ... AND 10 SUPERIOR REASONS TO

## 1. EXTREME OPERATION

After cooler designed 30% larger than usual capacity for operating in extreme conditions of up to 45°C. Allows compressor to operate in all environments. Integrated high performance water separator with auto-drain.



## 2. PREMIUM PROTECTION

Heavy duty Mann intake filter provides premium protection and performance of the compressor in adverse elements. Combined with renowned Donaldson oil filter significantly reduce maintenance.

## 10. RELIABILITY COUNTS

World leading pneumatic and control valves including main on load/off load valve – guaranteed for 2,000,000 cycles. Superior design eliminates 'hesitation' enhances performance and guarantees reliability.



## 9. HIGH EFFICIENCY DRIVE

World renowned high efficiency Mepps 2 drive motor, with class F insulation and B temperature resistance, offers ultimate protection against dust and chemicals. Specially designed to provide optimum power over a broad speed range, the Pneutech motor is equipped with external grease points for a long and reliable service life.

## 8. LONG TERM OPERATION

Renowned German made KTR coupler provides positive direct drive transmission technology, minimises power loss, contamination and vibration, while ensuring long term performance.



# ... .CHOOSE PNEUTECH

YOUR GLOBAL SUPPLIER FOR COMPRESSED AIR EQUIPMENT.

## 1. FILTRATION

Filtration is key to the long term life of a compressor – even when combined with filtration, to reduce maintenance costs.

## 3. HIGH QUALITY AIR

Oversized air-oil separator tank and element. Effective 3 stage separation, less than 3ppm oil carry over and less than 0.02 bar pressure drop. Highest air quality assured with renowned Mann filtration.



## 4. SIMPLE YET SMART

The patented intelligent micro controller is very simple, yet smart. Monitor the pressure, temperature, current, display service cycles, system faults, on load / off load duty cycles. Up to 13 protection alarms including reverse rotation. Connect with other compressors or your computer for remote monitoring or interface with Pneutech's Master Controller and operate up to 8 compressors in sequence.

## 5. TRUSTED NAME

Pneutech employ world trusted brand electrical contactors and components.



## 7. STATE OF THE ART

The over sized German made air ends feature special high efficiency rotor profiles, SKF tapered, cone roller bearings and triple seal, teflon oil seals for performance and long term reliability.



## 6. SOLID STEEL

The air and oil pipelines are constructed from smooth interior solid steel tube, to eliminate the need for replacement, or risk of bursting or leakage. Reduces pressure drop resulting in additional energy savings.





## RSCR SERIES MODELS SPECIFICATIONS / PERFORMANCE

Model	Power (kW)	Horse Power (Hp)	Free Air Delivery		Pressure (Bar)	Size (mm)	Weight (kg)	Air Outlet Size
			m3/min	CFM				
RSCR30 – 7 RSCR30 – 10	22	30	3.7 3.2	131 113	7 10	1380*850*1160	590	Rc 1
RSCR50 – 7 RSCR50 – 10	37	50	6.1 5.7	215 201	7 10	1600*1000*1360	870	Rc 1 1/2
RSCR60 – 7 RSCR60 – 10	45	60	7.3 7.1	258 251	7 10	1820*1000*1360	960	Rc 1 1/2
RSCR75 – 7 RSCR75 – 10	55	75	10.2 8.7	360 307	7 10	2200*1360*1755	1730	DN50
RSCR100 – 7 RSCR100 – 10 RSCR100 – 12.5	75	100	13.3 11.8 9.7	470 417 342	7 10 12.5	2200*1360*1755	1870	DN50
RSCR125 – 7 RSCR125 – 10 RSCR125 – 12.5	90	125	16.2 14.4 12.5	572 508 441	7 10 12.5	2800*1600*1775	2600	DN65
RSCR150 – 7 RSCR150 – 10 RSCR150 – 12.5	110	150	20.1 17.2 15.4	710 607 544	7 10 12.5	2800*1600*1755	2700	DN65
RSCR180 – 7 RSCR180 – 10	132	180	23.4 20.8	826 734	7 10	2700*1750*1850	3100	DN65
RSCR220 – 7 RSCR220 – 10 RSCR220 – 12.5	160	220	28.5 22.8 20.5	1006 805 724	7 10 12.5	2700*1750*1850	3200	DN65
RSCR250 – 7 RSCR250 – 10 RSCR250 – 12.5	185	250	31.2 27.8 24.1	1101 981 851	7 10 12.5	2700*1820*1850	3500	DN80
RSCR270 – 7 RSCR270 – 10 RSCR270 – 12.5	200	270	35 30.8 27.8	1236 1087 981	7 10 12.5	2700*1820*1850	3600	DN80
RSCR300 – 7 RSCR300 – 10 RSCR300 – 12.5	220	300	38.1 33.4 28.5	1345 1179 1006	7 10 12.5	3000*2050*2097	5000	DN100
RSCR340 – 7 RSCR340 – 10 RSCR340 – 12.5	250	340	44.6 38.2 32.8	1574 1348 1158	7 10 12.5	3000*2050*2097 3200*2050*2200	5200	DN100
RSCR375 – 7 RSCR375 – 10 RSCR375 – 12.5	280	375	50.7 42.8 38.2	1790 1511 1348	7 10 12.5	3200*2050*2200	5400	DN100
RSCR400 – 7 RSCR400 – 10	315	400	60.1 49.1		7 10	4000*2200*2250	8890	DN125
RSCR450 – 7 RSCR450 – 10 RSCR450 – 12.5	250	340	66.4 54.4 47.9		7 10 12.5	4000*2200*2250	9000	DN125
RSCR500 – 7 RSCR500 – 10 RSCR500 – 12.5	400	500	73 60.2 53.1		7 10 12.5	4000*2200*2250	9220	DN125

- Water separator is standard for 125HP up
- 415 Volts, 50 Hz
- Other models available including oil free and water cooled
- Lower operating costs



**NOTES:**

A blue-lined notepad with a faint architectural drawing of a building in the top left corner. The word "NOTES:" is written in blue at the top left. The notepad has horizontal blue lines for writing. The background is white.



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