SQUADAIR

AIR COMPRESSORS

ABOUT SQUADAIR

We shall take this opportunity to introduce ourselves as “SQUADAIR”, The First Screw Compressor Manufacturer in Eastern India and a complete solution provider (Sales & Service) in Air Compressor and Advanced Piping System in India. Presently we operate from Kolkata, Siliguri, Guwahati, Burdwan, Bhubaneshwar and provide services to all over India. We also export to NEPAL, BHUTAN and BANGLADESH.

Customer Centricity, Commitment, Innovation, High Standard Engineering Products, Prompt After Sales Services, Best Quality are the pillars of the company. SQUADAIR is offering the systems with latest technology, Innovative Design, High Efficiency Compressor with Power saving modes.

SQUADAIR is continuously working on compressed air technology beyond innovation by giving "More Power Saving", "Intelligence Compressor Controller", "Smart Synchronising System", "Zero Break Downs", "Local and Remote Operated System", "One Touch/Call Service System".

SQUADAIR has launched the Permanent Magnet motor technology in Two Stage Screw compressors which led to roll out new technology throughout the nation in industries. This has brought up to 45% power saving in compressed air systems.

Also, Oil free compressed air requirement got a NEW technology of water injected screw compressor, simplest, efficient and economic, which is very successfully in serving Pharma, Food, Refinery & many more applications.

SQUADAIR PRODUCTS

- Single Stage OIL Lubricated Screw Air Compressor (Fixed Speed & Variable Speed)
- Two Stage Oil Lubricated Screw Air Compressor
- 100% Oil Free Compressors
- Refrigeration Dryers – Medium & High Pressure
- Vacuum Pumps
- High Pressure Air Compressors

We, “SQUADAIR”, provide complete solutions in Compressed Air System including complete range of Air Compressors with all accessories, different types of Air Dryers, Compressed Air Line & Water Line Piping & fittings, Variable Frequency Drives and Automation Systems.

We, “SQUADAIR”, as a service provider, also provide services to all Branded Compressors as an additional support to the Customer along with Genuine / Replacement Spare Parts.

WHY
SQUADAIR?

25 Yrs
Design Life of Screw

Upto 45%
Energy Saving

Low
Spares Cost

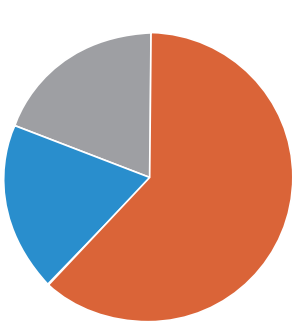
Low
Lifecycle Cost

- State of Art AIR END having 6 SKF Bearings which gives 200000 hrs (25 Years) long life of the Screw
- Permanent Magnet Motor with IP55 Protection Equivalent to IE4, Class-F Insulations can withstand upto 180 deg(c). 100% Turndown (0-50 Hz)
- State of Art High Efficient Line Filters with 5 Combinations gives <1 PPM Oil Carryover.
- Oversize Cooler to keep the Air-OIL Temperature below 85 deg (C)
- All SS Pipes instead of Flexible Rubber Hoses
- Touch Screen Controller with Flow Diagram on Display and high memory capacity to store data and print out option.
- Super Stable Variable Frequency Drive controls accurate Air Pressure within 0.01mpa which saves 7% energy loss at each pressure drop of 0.01mpa.

ENERGY SAVING
FIXED SPEED V/S VARIABLE SPEED

Most of the cost in the life cycle of the air compressor is generated by the electricity it consumes. The power consumption of the compressor is closely related to the on-site air planning. The variable speed air compressor can not only ensure smooth production, but also save considerable electricity costs and achieve a win-win situation for the enterprise.

Cost of regular air



Cost of variable speed air

FIXED SPEED
SCREW AIR COMPRESSOR

1 Cooler

- The heat exchanger uses high-quality raw materials and a unique internal channel design, which increases the heat exchange area and can effectively dissipate heat for the air compressor.
- The inner wall of the heat exchanger is treated with corrosion protection to increase the service life of the heat exchanger and increase the heat transfer effect.
- The radiator has passed the strict factory test, and the quality is reliable, which effectively prevents the high temperature of the air compressor and increases the service life of the machine.

2 Air-end

- Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial inlet design.
- Optimized flow channel design, with a large rotor, low speeed and high efficiency. Increased energy efficiency by 5% - 15% compared to the second generation.
- Uses Swedish SKF heavy-duty bearigs, double-lip shaft seal, durable and reliable. The bearings design life is 80,000-1,00,000 hours and the air end design life is about 2,00,000 hours.

3 Controller

- Adopts PLC multilanguage control system, beautiful and intuitive interface, easy to operate function, operators can quickly and easily adjust the compressor.
- 14 protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
- The advanced microcomputer control drive system realizes intelligent control, air volume variable speed control, automatic adjustment of load start and soft start. Intelligent dynamic control, dynamic display of the working status of each component of the compressor, visual pressure, temperature, current working curve, etc.
- Large memory and equipped with printer interface; It can use computer remote monitoring or multiple linkage control between air compressors.

4 Fan

- The fan uses a large fan design to effectively enhance the fan's heat dissipation effect.The motor adopts a special internal design to adapt to harsh working conditions.
- The fan motor adopts special winding and high protection grade design to adapt to harsh working conditions.
- The fan is controlled by the controller to realize the automatic start and stop function, which effectively maintains the normal working temperature of the air compressor lubricant.

5 Motor

- The motor uses high-performance motors of well-known brands. Permanent magnet synchronous motors (PM motors) use high-performance NdFeB permanent magnets which will not lose magnetism under 200 ° and its service life reaches as long as 15 years.
- The stator coil uses the frequency converter special halo proof enameled wire, theinsulation is outstanding and the service life is longer.
- The motor has the function of temperature protection. It also has a wide range of motor speed regulation, high precision and a wide range of volume regulation. The reliability is significantly improved with small size, low noise and large excess current.
- Protection grade IP55, insulation grade F, effectively protects the motor and increases the service life of the motor, the efficiency is 5%-7% higher than similar products.

6 Intake Valve

- Intake valve is the core component to control the air intake of the air compressor.
- Adopting the world famous brand air intake valve, it can automatically adjust the air volume by 0-100% according to the requirement of the system air quantity. It promises small pressure loss, stable action and long life consequently reduced operating costs.

7 Oil Filter

- Adopts high-density filter material, the surface is treated with nano-electroplating.
- The filter element has uniform pore size, small filter resistance, large flux, strong interception ability and long service life.
- High filtration accuracy effectively filters impurities in lubricating oil, prolongs the service life of the equipment.

8 Air Filter

- Adopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particles in the air. The dust removal effect can reach 99.5%, ensuring the normal operation of the components of the system and extending the service life.

9 Air Oil Separator Core

- The high-quality air-oil separation element and gas-liquid filter element are equipped with advanced three-stage air-oil separation to keep the oil content below 3ppm to ensure the output of high-quality compressed air.

SPECIFICATIONS

Start method Y-Δ for all the below models

Model	Motor (kW)	Motor (HP)	Pressure (7 Bar)		Pressure (8 Bar)		Pressure (10 Bar)		Pressure (12 Bar)		Air Outlet	Noise dB(A)	Dimension (L x W x H) mm	Weight (KG)
			CFM	M3/min	CFM	M3/min	CFM	M3/min	CFM	M3/min				
SQ-7.5F	7.5	10	42	1.2	39	1.1	32	0.9	28	0.8	DN20	60±2	950 x 670 x 1030	250
SQ-11F	11	15	71	2.0	53	1.5	46	1.3	39	1.1	DN25	62±2	1150 x 820 x 1130	400
SQ-15F	15	20	92	2.6	81	2.3	74	2.1	67	1.9	DN25	62±2	1150 x 820 x 1130	400
SQ-18.5F	18.5	25	117	3.3	106	3.0	95	2.7	85	2.4	DN25	64±2	1350 x 920 x 1230	550
SQ-22F	22	30	141	4.0	127	3.8	113	3.2	95	2.7	DN25	64±2	1350 x 920 x 1230	550
SQ-30F	30	40	201	5.7	177	5.0	159	4.5	141	4.0	DN40	66±2	1500 x 1020 x 1310	700
SQ-37F	37	50	254	7.2	219	6.2	198	5.6	177	5.0	DN40	66±2	1500 x 1020 x 1310	750
SQ-45F	45	60	265	7.5	247	7.0	219	6.2	198	5.6	DN40	66±2	1500 x 1020 x 1310	800
SQ-55F	55	75	353	10.0	325	9.2	300	8.5	268	7.6	DN50	68±2	1900 x 1260 x 1600	1750
SQ-75F	75	100	480	13.6	445	12.6	395	11.2	353	10.0	DN50	68±2	1900 x 1260 x 1600	1850
SQ-90F	90	125	572	16.2	530	15.0	487	13.8	434	12.3	DN50	70±2	2450 x 1660 x 1700	1950
SQ-110F	110	150	742	21.0	699	19.8	614	17.4	523	14.8	DN65	70±2	2450 x 1660 x 1700	2200
SQ-132F	132	175	865	24.5	819	23.2	724	20.5	614	17.4	DN65	70±2	2450 x 1660 x 1700	2500
SQ-160F	160	215	1038	29.4	999	28.3	883	25.0	745	21.1	DN65	75±2	3400 x 2100 x 2260	3200
SQ-185F	185	250	1141	32.3	1126	31.9	1006	28.5	876	24.8	DN65	75±2	3760 x 2100 x 2260	3200
SQ-200F	200	270	1264	35.8	1215	34.4	1151	32.6	989	28.0	DN80	77±2	2650 x 1488 x 1900	4400
SQ-250F	250	350	1621	45.9	1554	44.0	1282	36.3	1193	33.8	DN100	78±2	3000 x 1740 x 2100	4700

PERMANENT MAGNET VARIABLE SPEED DRIVE (VSD)

SCREW AIR COMPRESSOR

1. Intelligent Control Systems

Direct display of discharge temperature and pressure, operating frequency current power operating state. Real time monitoring of discharge temperature and pressure, current, frequency fluctuations.

2. The Latest Generation High Efficiency Permanent Motor

Insulation grade F, protective grade IP55, suitable for the bad working conditions. No gearbox design, motor and main rotor through the coupling directly connected, high transmission efficiency. Wide range of speed regulation, high precision, wide range of air flow regulation. The efficiency of the permanent magnet motor is higher 3%-5% than regular motor, efficiency is constant, when the speed drops, still remain the high efficiency.

3. The Latest Generation Super Stable Inverter

Constant pressure air supply, air supply pressure is accurately controlled within 0.01Mpa. Constant temperature air supply, general constant temperature set at 85 deg C, make the best oil lubrication effect and avoid high temperature to stop. No empty load, reduce energy consumption by 45%, eliminate excess pressure. For each 0.1mpa increase of air compressor pressure, energy consumption increases by 7%. Vector air supply, accurate calculation, to ensure that the air compressor production and customer system air demand at all times to maintain the same.

4. Wide Working Frequency Range To Save Energy

Frequency conversion ranges from 5% to 100%. When the users gas fluctuation is large, the more obvious energy saving effect and the lower the low-frequency running noise, applicable to any place.

5. Small Start-up Impact

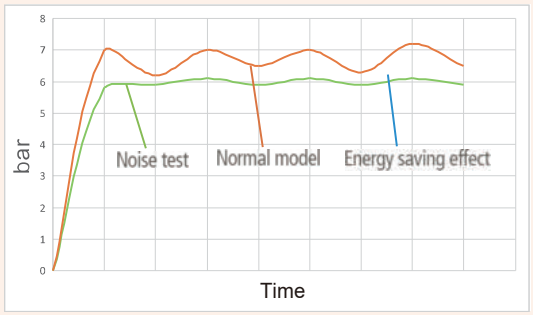
Use frequency conversion permanent magnet motor, start smooth and soft. When the motor starts, the current does not exceed the rated current, which does not affect the power grid and the mechanical wear of the main engine, greatly reduces the power failure and prolongs the service life of the main screw machine.

6. Low Noise

- The inverter is a soft start device, the start-up impact very small, noise will be very low when start-up. At the same time, PM VSD compressor running frequency is less than the fixed speed compressor during stable operation, mechanical noise decreases very much.
- The pressure control of variable speed air compressor is precise. It can quickly respond to pressure changes, adjust the speed of the permanent magnet motor, control the pressure fluctuation range within ±0.1bar, stabilize the pressure of the pipe network, provide the necessary air volume with the most reasonable power, and reduce excess energy loss.
- Variable speed air compressor adopts the method of frequency conversion start up, eliminating the peak current of star-delta start up and starting smoothly. Reduce the starting power, reduce the impact on the power grid and equipment, and can reduce the equipment operation noise.
- Variable speed control is more excellent than ordinary throttle control. The adjustment range of the flow rate is larger, and with the high-efficiency permanent magnet motor the energy saving effect is more significant at a low percentage flow rate.

Overall energy saving

Compared with power fixed speed air compressor, variable speed air compressor has practical significance in energy saving



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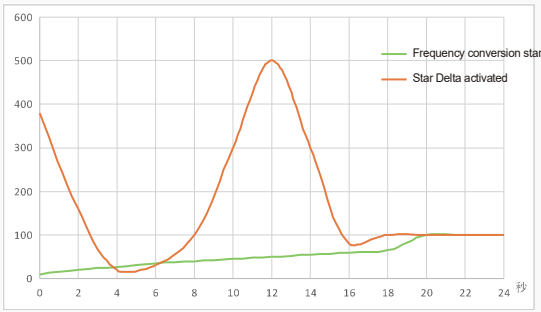

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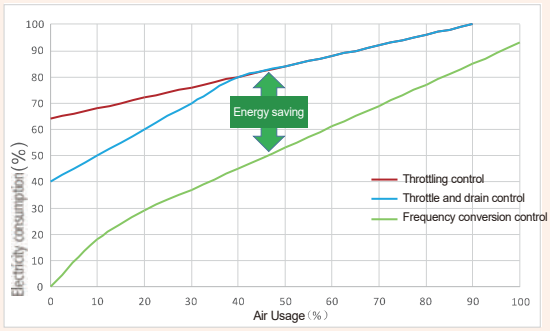

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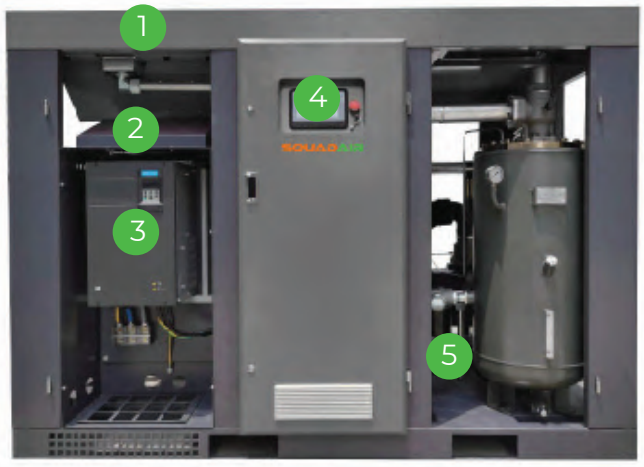

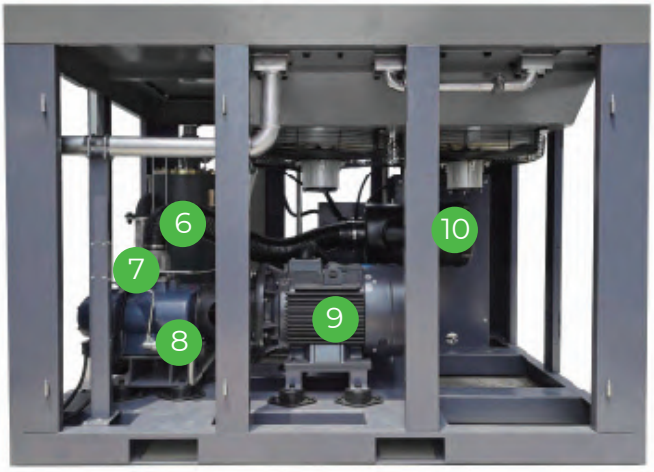

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- The fan is controlled by the controller to realize the automatic start and stop function, which effectively maintains the normal working temperature of the air compressor lubricant.

3 Inverter

- The standard is equipped with high frequency reactor, effectively reducing the frequency converter and the external magnetic field dry reactance.
- Reliably reduces peak current when it is started, realizes stable starting.
- With high-performance current vector technology, it can easily drive induction motors.
- High performance, high quality and high power density design, as well as significant improvements in usability, maintainability, environmental protection, installation space, and design standards, can further optimize the user experience.
- Independent air duct design, resistances to all kinds of severe environmental pollution.
- Rapidly track the change of pressure and control pressure fluctuation within ±0.01 Mpa, optimal power is used to accurately provide necessary air.

4 Controller

- Adopts PLC multilanguage control system, beautiful and intuitive interface, easy to operate function, operators can quickly and easily adjust the compressor.
- 14 protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
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- Protection grade IP55, insulation grade F, effectively protects the motor and increases the service life of the motor, the efficiency is 5%-7% higher

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SPECIFICATIONS

Direct Driven for all the below models
Start method PM VSD for all the below models

Model	Motor (kW)	Motor (HP)	Pressure (7 Bar)		Pressure (8 Bar)		Pressure (10 Bar)		Pressure (12 Bar)		Air Outlet	Noise dB(A)	Dimension (L x W x H) mm	Weight (KG)
			CFM	M3/min	CFM	M3/min	CFM	M3/min	CFM	M3/min				
SQ-7.5VFD	7.5	10	42	1.2	39	1.1	32	0.9	28	0.8	DN20	60±2	950 x 670 x 1030	250
SQ-11VFD	11	15	71	2.0	53	1.5	46	1.3	39	1.1	DN25	62±2	1150 x 820 x 1130	400
SQ-15VFD	15	20	92	2.6	81	2.3	74	2.1	67	1.9	DN25	62±2	1150 x 820 x 1130	400
SQ-18.5VFD	18.5	25	117	3.3	106	3.0	95	2.7	85	2.4	DN25	64±2	1350 x 920 x 1230	550
SQ-22VFD	22	30	141	4.0	127	3.6	113	3.2	95	2.7	DN25	64±2	1350 x 920 x 1230	550
SQ-30VFD	30	40	201	5.7	177	5.0	159	4.5	141	4.0	DN40	66±2	1500 x 1020 x 1310	700
SQ-37VFD	37	50	254	7.2	219	6.2	198	5.6	177	5.0	DN40	66±2	1500 x 1020 x 1310	750
SQ-45VFD	45	60	265	7.5	247	7.0	219	6.2	198	5.6	DN40	66±2	1500 x 1020 x 1310	800
SQ-55VFD	55	75	353	10.0	325	9.2	300	8.5	268	7.6	DN50	68±2	1900 x 1260 x 1600	1750
SQ-75VFD	75	100	480	13.6	445	12.6	395	11.2	353	10.0	DN50	68±2	1900 x 1260 x 1600	1850
SQ-90VFD	90	125	572	16.2	530	15.0	487	13.8	434	12.3	DN50	70±2	2450 x 1660 x 1700	1950
SQ-110VFD	110	150	742	21.0	699	19.8	614	17.4	523	14.8	DN65	70±2	2450 x 1660 x 1700	2200
SQ-132VFD	132	175	865	24.5	819	23.2	724	20.5	614	17.4	DN65	70±2	2450 x 1660 x 1700	2500
SQ-160VFD	160	215	1038	29.4	999	28.3	883	25.0	745	21.1	DN65	75±2	3400 x 2100 x 2260	3200
SQ-185VFD	185	250	1141	32.3	1126	31.9	1006	28.5	876	24.8	DN65	75±2	3760 x 2100 x 2260	3200
SQ-200VFD	200	270	1264	35.8	1215	34.4	1151	32.6	989	28.0	DN80	77±2	2650 x 1488 x 1900	4400
SQ-250VFD	250	350	1621	45.9	1554	44.0	1282	36.3	1193	33.8	DN100	78±2	3000 x 1740 x 2100	4700

TWO STAGE PERMANENT MAGNET VSD **AIR COMPRESSOR**

Features

- Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load and increase the life of the host
- Two-stage PM VSD replaces single-stage compression, and the displacement is increased by nearly 15%, which can achieve an additional 19% energy saving effect.
- The rotor adopts the latest patented rotor UV profile, which has been refined by more than 20 procedures to ensure the accuracy, reliability, and effectiveness of the rotor profile
- Two-stage PM VSD air compressor mainframe is more efficient and more energy-saving it can save up to 40% energy compared with ordinary fixed speed machines Calculated at 8000h/unit/year, it can save electricity costs 30,000 USD per year.

Advantages

1. More Energy Efficient

Two-stage PM VSD rotor is directly driven through the gears, and each stage of the rotor can obtain the best speed. The Air end-is always running at the best energy-saving speed. The frequency conversion soft-start reduces the energy consumption of the air compressor during start-up. By controlling the pressure between stages, the compressor always works at the best efficiency point under different working conditions. Compared with single-stage fixed speed air compressor, in principle, two-stage PM VSD air compressor can save 40% energy.

2. More Stable

There is no mechanical transmission failure, the motor, and the male rotor adopt an integrated shaft structure, and there is no need for coupling and gear transmission, eliminating the hidden danger of coupling and gear failure.

3. More Efficient

There is no mechanical transmission failure, the motor, and the male rotor adopt an integrated shaft structure, and there is no need for coupling and gear transmission, eliminating the hidden danger of coupling and gear failure.

4. More Comfortable

Low noise and low vibration. No motor and bearing noise, no gear noise, no coupling noise.

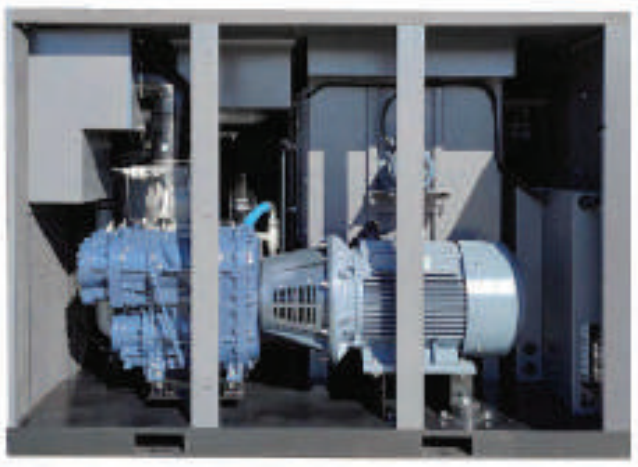
5. More Compact

The PM VSD motor is small in size, and the integrated structure saves space.

SPECIFICATIONS

Direct Driven for all the below models
Start method PM VSD for all the below models

Model	Motor (kW)	Motor (HP)	Pressure (8 Bar)		Pressure (10 Bar)		Pressure (13 Bar)		Air Outlet	Noise dB(A)	Dimension (L x W x H) mm	Weight (KG)
			CFM	M3/min	CFM	M3/min	CFM	M3/min				
SQ-37VFPM	37	50	272	7.7	244	6.9	/	/	DN40	72±2	1080 x 1900 x 1260	1600
SQ-45VFPM	45	55	371	10.5	275	7.8	215	6.1	DN65	72±2	1680 x 1900 x 1260	1600
SQ-55VFPM	55	75	466	13.2	378	10.7	311	8.8	DN65	74±2	1780 x 2450 x 1660	1700
SQ-75VFPM	75	100	593	16.8	487	13.8	434	12.3	DN65	74±2	1880 x 2450 x 1660	1700
SQ-90VFPM	90	125	710	20.1	611	17.3	561	15.9	DN65	76±2	2800 x 2450 x 1660	1700
SQ-110VFPM	110	150	830	23.5	699	19.8	629	17.8	DN80	76±2	2800 x 2450 x 1660	1700
SQ-132VFPM	132	175	992	28.1	858	24.3	713	20.2	DN80	76±2	3280 x 3150 x 1980	2150
SQ-160VFPM	160	215	1186	33.6	1077	30.5	989	28.0	DN80	78±2	4800 x 3700 x 2167	2260
SQ-185VFPM	185	250	1366	38.7	1229	34.8	1141	32.3	DN80	78±2	5200 x 3260 x 2167	2260
SQ-200VFPM	200	270	1504	42.6	1430	40.5	1239	35.1	DN100	78±3	3350 x 1900 x 1950	5550
SQ-250VFPM	250	350	1864	52.8	1705	48.3	1518	43.0	DN100	78±3	3700 x 2060 x 2150	6450



HIGH TEMPERATURE
REFRIGERATION DRYER

Features

- The specially designed air outlet is installed with a heat energy recovery device to ensure that the outlet pipe does not condense, reduce the temperature of the refrigerant, enhance the freezing effect, and save energy.
- Using special design, the pressure difference is small, saving power consumption.
- The use of high-quality thickened copper tubes prevents the copper tubes from being corroded to cause leakage of the machine's refrigeration system and has a longer service life.
- Use high-performance heat exchangers
  - The large-capacity design ensures the stable operation of the machine under harsh working conditions.
  - The cylinder body adopts anti-corrosion treatment to prevent rust inside the machine
- Use high-quality parts.
  - High-performance refrigeration compressors such as German Copeland, Danfoss, Bitzar, etc. are used. Such compressors have low energy consumption, high efficiency and high stability to ensure the best efficiency for a long time.
  - Refrigeration components promise to use the world's top brands such as Danfoss, American Slovakia, American Emerson and other original accessories, to eliminate low-cost products and sub-good phenomenon, to provide users with the highest quality product.
- Performance improvement
  - Efficient air and water separator and multiple drainage design, more timely and thorough drainage, to avoid dew point quality problems caused by water residue
  - The whole series is equipped with high and low voltage protection, anti-freeze switch, and current overheat protection to ensure that the machine failure does not spread and reduce the maintenance cost within the service life of the whole machine.

- More optional and customized configurations
  - Special machine (the inlet temperature is higher than 80 deg C, the pressure is higher than 1.0 MPa, environmentally friendly refrigerant, special gas, etc.)
  - Dew point temperature display and signal transmission function
  - Remote start and stop, remote rotation, alarm signal terminal contacts.
  - Control is upgraded to adopt PLC control, operate and display the required parameters by touch screen or text.
  - On the basis of PLC control, increase the remote communication function.

SPECIFICATIONS

Max Inlet Temperature: 80°C
Cooling Method: Air Cooling

Model	Capacity (CFM)		Max. inlet air pressure (MPa)	Voltage (V/Hz/Ph)	Power consumption (KW)	Refrigerant	Air inlet & outlet diameter	Air connect method	Extenal dimensions (L*W*H) (mm)	Weight (kg)
	CFM	M3/min								
SQD-35	35	1.0	1.0	220/50/1Ph	0.4	134A	DN25	Internal Thread	750*450*700	46
SQD-53	53	1.5	1.0	220/50/1Ph	0.5	134A	DN25	Internal Thread	750*450*700	48
SQD-71	71	2.0	1.0	220/50/1Ph	0.55	134A	DN25	Internal Thread	750*450*700	49
SQD-92	92	2.6	1.0	220/50/1Ph	0.9	R22	DN25	Internal Thread	780*500*780	66
SQD-106	106	3.0	1.0	220/50/1Ph	0.96	R22	DN25	Internal Thread	780*500*780	67
SQD-134	134	3.8	1.0	220/50/1Ph	1.1	R22	DN40	Internal Thread	900*500*900	93
SQD-184	184	5.2	1.0	220/50/1Ph	1.2	R22	DN40	Internal Thread	900*500*900	95
SQD-244	244	6.9	1.0	220/50/1Ph	1.4	R22	DN40	Internal Thread	950*600*950	108
SQD-290	290	8.2	1.0	220/50/1Ph	1.5	R22	DN40	Internal Thread	950*600*950	109
SQD-353	353	10.0	1.0	220/50/1Ph	2.1	R22	DN50	Internal Thread	1100*600*1100	138
SQD-491	491	13.9	1.0	380/50/3Ph	3.2	R22	DN50	Internal Thread	1200*600*1050	155
SQD-636	636	18.0	1.0	380/50/3Ph	3.2	R22	DN65	Internal Thread	1050*650*1150	175
SQD-812	812	23.0	1.0	380/50/3Ph	4.3	R22	DN80	Internal Thread	1550*800*1410	210
SQD-989	989	28.0	1.0	380/50/3Ph	4.8	R22	DN80	Internal Thread	1550*800*1410	220
SQD-1165	1165	33.0	1.0	380/50/3Ph	5.7	R22	DN80	Flange	1700*1150*1510	360
SQD-1271	1271	36.0	1.0	380/50/3Ph	6.2	R22	DN80	Flange	1700*1150*1510	380
SQD-1412	1412	40.0	1.0	380/50/3Ph	10.1	R22	DN80	Flange	1850*1200*1600	600

SJ Series

SJ PRECISION FILTER

SJ series ultra-clean precision filters provide users with high-quality compressed air filtration, which is specially used laser cutting, bottle blowing, advanced spraying, food, electronics, petrochemical and other industries. By install SJ series ultra-clean precision filters, compressor air pollutants (such as oil, water, dust, etc.) can be effectively removed.

Features

- With leak detection equipment: Filter leakage is the loss of energy, and it is not easy to find a lot of minor leakage: SJ series super clean precision filters are 100% Involved in strict leak detection test, to ensure that each product has no minor leakage.
- The company has a special laboratory and has introduced advanced German testing equipment, and the product testing is in ne with ISO8573-1:2010 (E) international standard.
- The uniquely designed ball valve is fitted with a seal ring, simple and convenient, with no need of sealing strip for installation.

Serial Combination

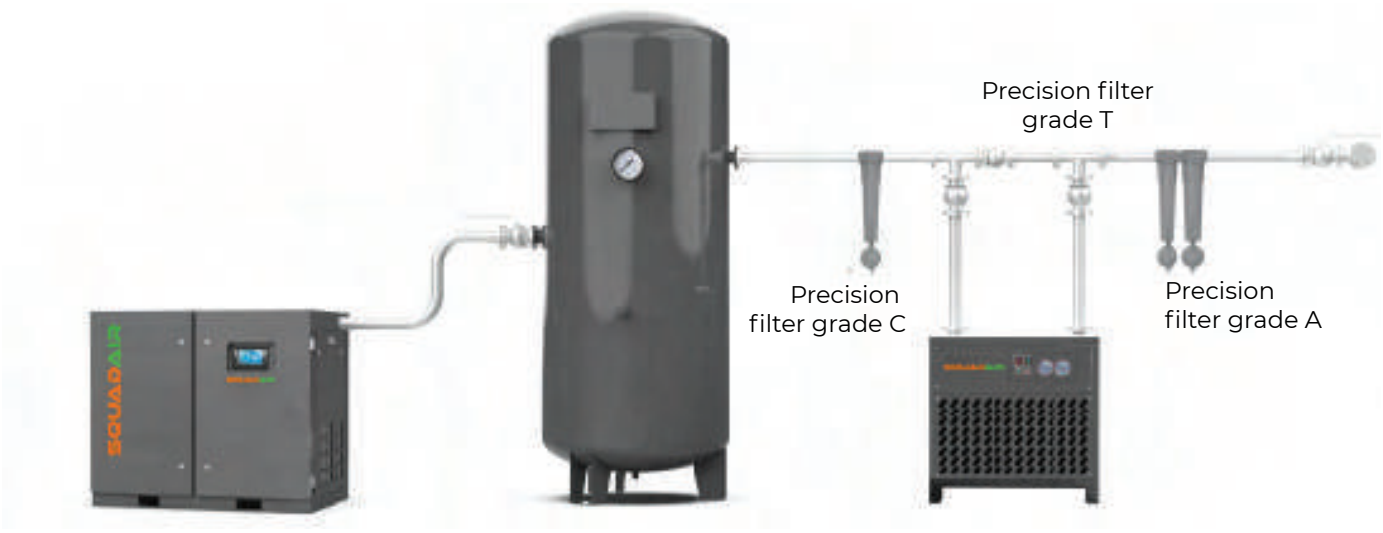
In order to meet more application requirements, we have designed a series of fast combinations, suitable for various laboratories or laser cutting, advanced spraying, bottle blowing and other Industries. They can be used directly in series without adding thread.

PRODUCT SELECTION

Max Inlet Temperature: 80°C
Cooling Method: Air Cooling

Filter Model	Flow m3/M	Interface c	Type of Filter element	H	W	A	B
SJ-005	0.7	1/2"	FJ-005	165	74	22	42
SJ-010	1.2	1/2" 3/4" 1"	FJ-010	240	95	32	51
SJ-020	2.3	1/2" 3/4" 1"	FJ-020	280	95	32	51
SJ-030	3.5	1-1/2"	FJ-030	302	125	38	65
SJ-050	5.7	1-1/2"	FJ-050	421	125	38	65
SJ-070	7.8	1-1/2"	FJ-070	421	125	38	65
SJ-110	11.6	2"	FJ-110	550	170	46	82
SJ-150	15.5	2"	FJ-150	550	170	46	82
SJ-200	20.8	2-1/2"	FJ-200	730	175	51	94
SJ-250	25.3	2-1/2"	FJ-250	815	175	51	94
SJ-300	30.8	3"	FJ-300	600	220	85	110
SJ-400	40.5	4"	FJ-400	820	220	85	110

AIR COMPRESSOR
HIGH-EFFICIENCY PRECISION FILTER



Adopt high-density aluminium extruded aluminium shell, positive electrode anti-rust treatment, forced venting device design. The material of the filter screen is exclusively designed and manufactured by DH Company. The inner layer is made of "boron silicon micro-glass," which can be used to remove moisture actively. The outer layer is made of silicone-free foam cotton, which can completely isolate clean air and the adsorbed pollutants suitable for filtering large amount of liquid and 3 micron size agglomeration without 5ppmw/w maximum residual oil content.

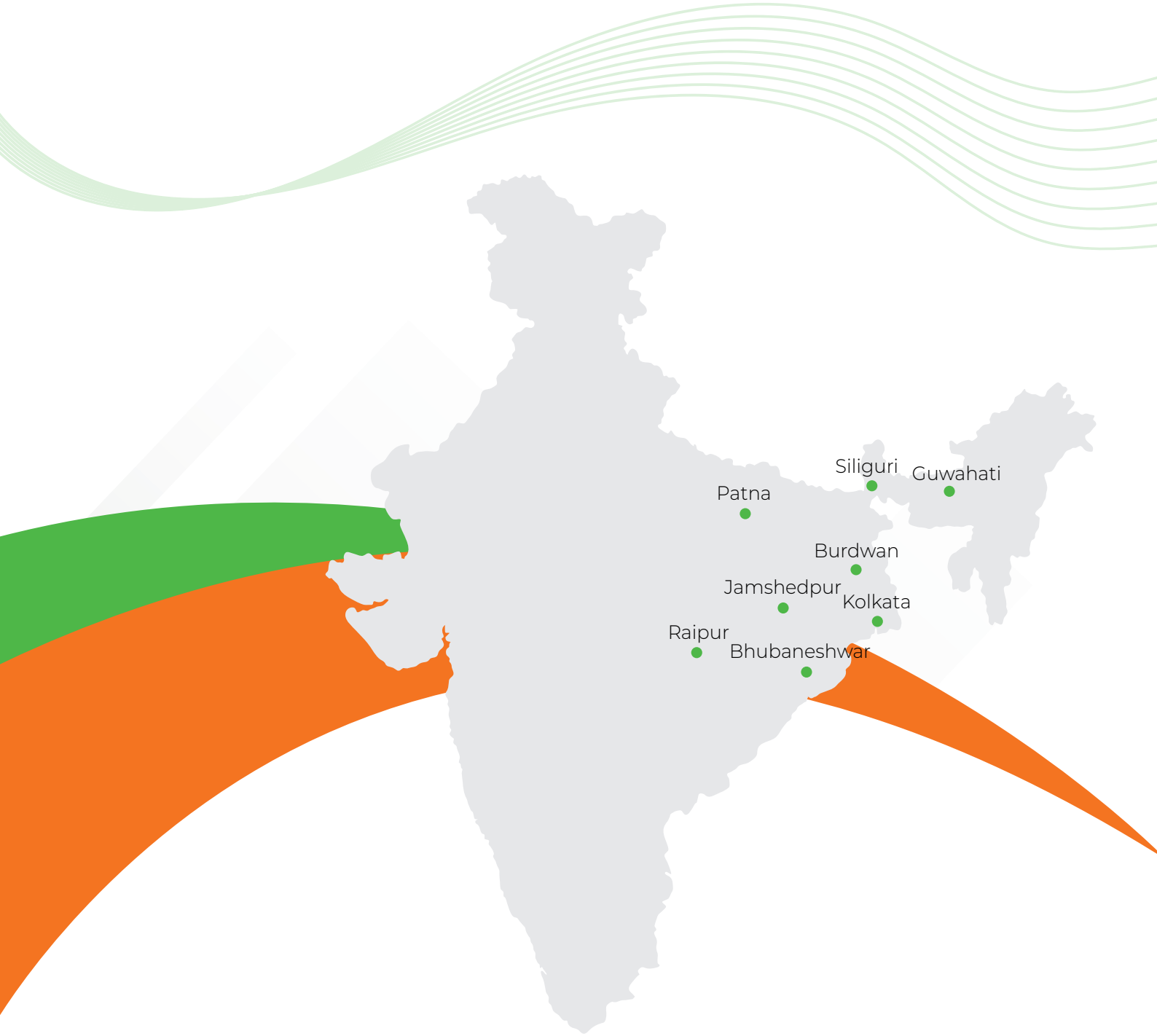
Supervisor filter (grade T)

- Suitable for filtering large amounts of liquid and 1 micron size condensate, (1.0 ppm w/w) maximum residual oil content.
- Internal/external filter cores are anti-corrosion-resistant two stage filtration
- The first stage stringy medium and the medium filter net filter the larger particles and prefilter before the air enters the second stage filter.
- The second layer of multi-layer mixed fiber media to filter out small aggregates.

Depth filter (grade A)

It is suitable for filtering trace oil and gas in compressed air to 0.01 PPM and impurity particles to 0.01MICRON to achieve high-quality compressed air without off standard. In addition, it can also filter liquids and solids as small as 0.01 micron The particles reach a low residual oil content of only 0.001 ppm, and almost all moisture dust, and oil are removed.

SQUADAIR COMPRESSORS
APPLICATIONS



Squad Airtech LLP

(A Unit of Greenergy Solution Pvt. Ltd.)

Siliguri:
PCM Bus Terminus and Commercial Complex, Block 'C', Sevoke Road, Siliguri – 734001
+91 8250998978

Kolkata:
17, Roy Road Street, 4th Floor, Kolkata-700016
+91 8250998978

Guwahati:
Gopal Boro Path, By Lane 2, Gorchuk, Guwahati-781035
+91 8250998978

Burdwan:
Shop No. 26, Ulhas Shopping Complex, Ulhas Gate No-1, Burdwan – 713103
+91 8250998978