

SCHULZ

Rotary Screw Compressors

SRP 3000 15 - 100 hp



HIGH TECHNOLOGY FOR BETTER RESULTS.

High technology, high performance, and high efficiency: these characteristics are standard in all the products of the Schulz SRP line. This line is the ideal solution for those looking for exceptional performance in applications that require high demand of compressed air in a continuous work environment.

Schulz equipment is the latest generation, developed and produced to utilize all the technology and reliability available from the largest manufacturer of air compressors in Latin America. For more than 40 years Schulz has been producing solutions that drive the market.



Schulz warranty covers for one year the complete machine, against any manufacture defects. It is not applied to preventive maintenance items and components subject to normal wear, such as filters, oil, belts, valves, among other similar components. For details, see the complete warranty terms inside the Owners Manual.

The air end is subject to a five years extended warranty program if the machine is operated and installed according to the manual instructions, serviced only by factory authorized personnel and original parts and oil are used in the compressor. For details, see the complete warranty terms inside the Owners Manual.

PRINCIPAL FEATURES

- High efficiency TEFC (IP55) electric motor with 208-230/460V;
- Automatic starter switch with automatic phase and sequence failure detection;
- 24V panel commands;
- Lubricated and robust air-end;
- Compression unit uses lubricated and robust screws;
- Low maintenance costs;
- Low oil carryover;
- Coolers are on the top of the machine, facilitate heat recovery at the costumers facilities;
- Ideal working temperature;
- Load/partial load/unload control;
- Designed for use in industrial environment;
- Easy access for maintenance;
- Maximum ambient temperature 113 °F;
- Motor overload protection by thermal sensor;
- Synthetic oil.



1. Air Filter
2. Inlet Valve
3. Oil Filter
4. Belt Transmission
5. Air end
6. Air/Oil Separator
7. Main motor - TEFC
8. Air/Oil aftercooler
9. Minimum pressure valve
10. Oil level gauge
11. Electronic controller on models 75 HP and above
12. Thermostatic valve

COMPRESSOR

Components and Features

1. Rotors

Exclusive combination of rotors (male and female) that allow for high efficiency in the compression process and greater efficiency in the production of compressed air. Manufactured with the highest available technology in the market, it guarantees components of excellent quality.

2. Casings

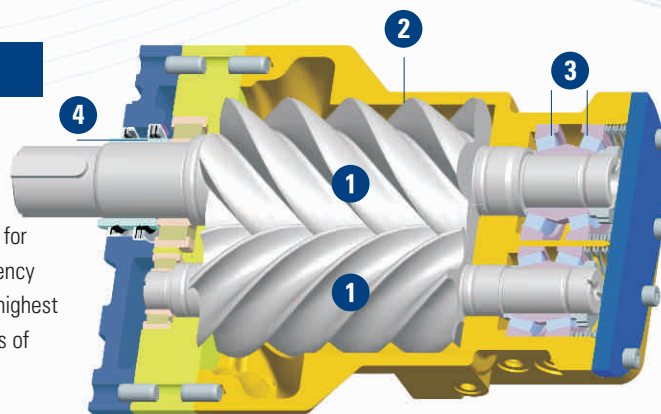
Manufactured by qualified foundry and machining processes with the latest generation of dimensional analysis resources, guaranteeing a greater precision in the manufacture.

3. Bearings

Developed to support radial and axial loads to maximize the useful life of the product.

4. Mechanical Seal

Designed and built according to the most rigid standards to guarantee a perfect seal of the air end with high reliability.



MICROPROCESSOR CONTROLLED ELECTRONIC PANEL AND OPERATORS INSTRUCTIONS

** Available for Compressors 75 HP and above.*

Constant Readings

- Delivery pressure;
- Air end discharge temperature;
- Work hours;
- Last 15 errors log;
- Full load total hours;
- Partial load total hours;
- Remaining hours to change the air filter; oil filter and air/oil separator;
- Remaining hours to change de oil;
- Date/Time.



Interface: Aircon L1



Operational settings

- Operation method – load/unload or load/partial load/unload;
- Remote/local;
- Week schedule (on/off);
- Auto restart;
- Hours to change the air filter, oil filter and air/oil separator;
- Hours to change the oil;
- Pressure and temperature units;
- Starts per hour;
- Star/delta time;
- Load and unload pressure;
- Languages.

Error Messages

- Main motor and fan motor overloaded;
- Phase fault or incorret sequence;
- Emergency;
- High pressure;
- High temperature;
- Pressure and temperature sensor.



SRP 3015



SRP 3020|3030



SRP 3050



SRP 3075



SRP 3100

Advantages

Low noise level

- Low speed;
- Steel cabinet coated by foam;
- Noise reduction insulation.

Low discharge temperature

- Oversized cooling system;
- Longer oil and oil separator life;
- Compressor prepared to handle higher environment temperatures.

Low maintenance costs:

- Full/partial/unload inlet valves – fewer mechanical and flow shocks in the product;
- Oversized air ends.

Low maintenance

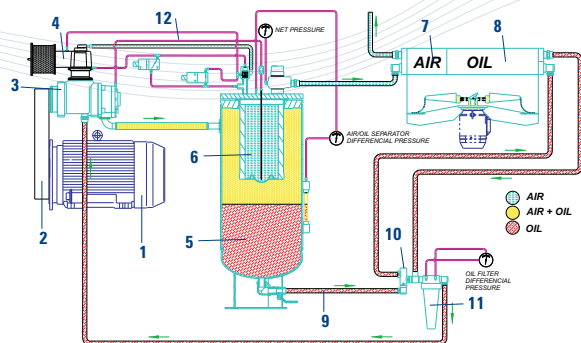
- Synthetic oil;
- Robust belts;
- Larger air ends – low speed;
- Oversized MANN separator elements – low ppm and longer lifetime.

Safety

- Belt guard;
- Doors with fire retardant plastic coated foam;
- 24V panel command;
- Thermal overload protection;
- Fault and sequence phase relay.

Heat exchangers are mounted high in order to facilitate heat recovery.

SCHULZ ROTARY SCREW COMPRESSOR OPERATION



Components

1. Electric motor;
2. Drive (belts, pulleys);
3. Air end;
4. Inlet valve;
5. Air oil tank;
6. Separating element;
7. Aftercooler;
8. Oil radiator;
9. Oil return line;
10. Thermostatic valve;
11. Oil filter;
12. Return line from the separator element.

TYPICAL COMPRESSOR INSTALLATION AND COMPRESSED AIR TREATMENT



* -Optional items that depend upon the air quality required.

QUALITY CATEGORIES OF COMPRESSED AIR ACCORDING TO ISO 8573-1

QUALITY CATEGORIES	PARTICLES Sizes in Microns	WATER Dew point °C at 7 bar g	OIL (including vapor) mg/m ³
1	0.1	-70	0.01
2	1	-40	0.1
3	5	-20	1.0
4	15	+3	5
5	40	+7	25
6	-	+10	-

Compressed Air Station

1. Rotary screw compressor;
2. Separating filter and condenser;
3. Condensate separator;
4. Electronic drain valve;
5. Condensate separator filter;
6. Pre-filter;
7. Air dryer – by refrigeration;
8. Outlet filter;
9. Activated carbon filter (by adsorption);

TECHNICAL DATA

MODEL	MOTOR POWER hp	MAX. WORKING PRESSURE barg psig	CAPACITY FAD cfm	DISCHARGE CONNECTION IN	NET WEIGHT lbs	WIDTH X HEIGHT X DEPTH IN
SRP 3015	15hp	7.5	108	3/4	660	26.7 x 45.6 x 55
		8.6	125			
		11	160			
SRP 3020	20hp	7.5	108	3/4	563	31.6 x 40.1 x 52.1
		8.6	125			
		11	160			
SRP 3030	30hp	7.5	108	3/4	858	31.6 x 40.1 x 52.1
		8.6	125			
		11	160			
SRP 3050	50hp	7.5	109	1 ½	1,738	37 x 53.9 x 61.4
		8.6	131			
		11	160			
SRP 3075	75hp	7.5	108	1 ½	2,535	39 x 63 x 67
		8.6	125			
		11	160			
SRP 3100	100hp	7.5	109	1 ½	3,966	43.7 x 76.3 x 71.2
		8.6	125			
		11	160			

Company History

With more than 40 years in the market, Schulz is in constant improvement, using the state of the art to achieve the competitiveness requested by the market. In the beginning, its activities were concentrated on the foundry area and, in 1972, it had started manufacturing air compressors.

At first, there were only two compressors models that soon would turn into the largest and most complete line produced in Brazil. In 1984, Schulz products were available throughout the whole of Latin America, Central America and the USA.

Following its strategic development plan, in 1989 Schulz had started the production of rotary screw compressors, competing in this market with the biggest worldwide companies.

In 1999 the Schulz of America, Inc was created, in Atlanta, Georgia, with a warehouse, sales and technical personnel who were trained at the head office, definitively conquering its share on the North American.

Currently, the company possesses a modern industrial unit, with more than 667,000 ft² of built-up area, where it develops diaphragm, reciprocating and rotary screw compressors. Improving continuously, perfecting processes and investing in their staff development.

Approved by the most demanding international quality certification authorities, it is conquering important markets. Today Schulz is present in more than 60 countries, which reaffirms the excellence and the high technological standards of their products.



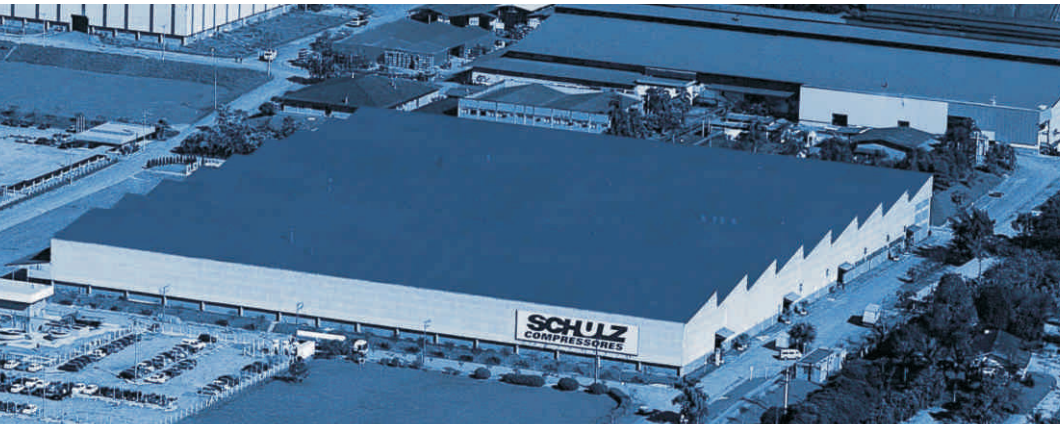
Replacement Parts

Schulz has all the replacement parts necessary for the maintenance of all its products.

Use only original Schulz parts to obtain the advantages, such as; useful lifetime, safety, warranty and availability of the equipment.

The Schulz network of authorized technical support is the best way to obtain genuine replacement parts and factory trained labor.

Genuine Schulz parts are the best cost and benefit option.



SCHULZ

COMPRESSORS



SCHULZ OF AMERICA, INC.

3420, Novis Pointe | Acworth | GA 30101
 Phone # (770) 529.4731 | Fax # (770) 529.4733
 sales@schulzamerica.com | www.schulzamerica.com

Accreditation and Certification

ISO 9001
 BUREAU VERITAS
 Certification



"Certificate of the Mark: Project, Development,
 Production and Sale of Air Compressors, Air Dryers and Compressed Air Pressure
 Vessels, Sale of Pneumatic Tools and Accessories for Compressed Air equipment"

ISO 14001
 BUREAU VERITAS
 Certification

