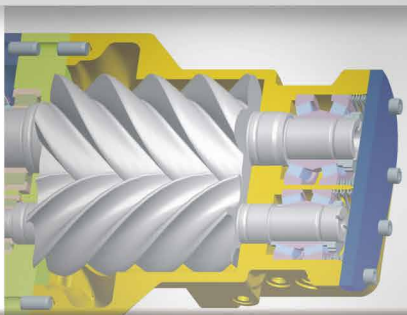


# SCHULZ

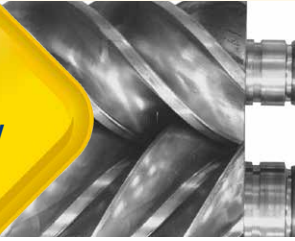
OF AMERICA, INC.



Screw Compressors

# SCREW COMPRESSORS

Power and productivity



## High technology for great results

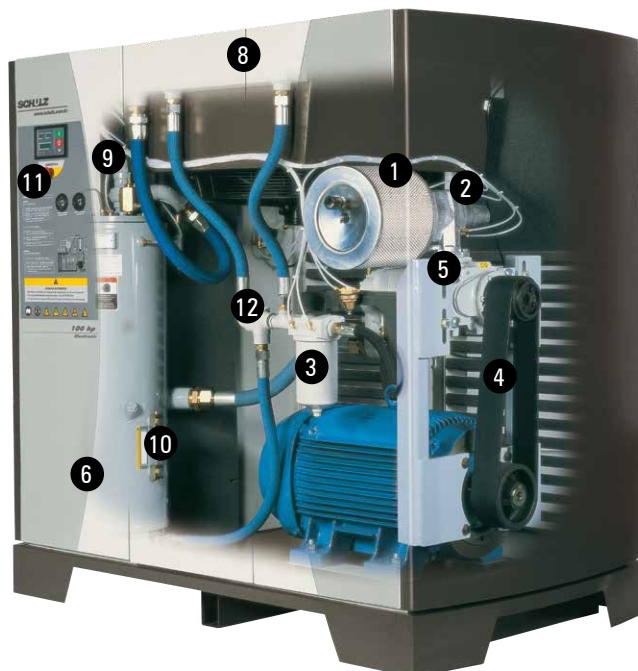
Superior technology, better performance, and high efficiency: these features are standard in all products of the Schulz SRP line. This line is the ideal solution for those looking for exceptional performance in applications that require high demand of compressed air in a continuous work environment.

Schulz air compressors are built with the latest technologies and specifications. For more than 50 years, Schulz has been producing solutions that drive the market to continuous technological advancements. As one of the largest manufacturers of air compressors in the world, Schulz has a highly skilled research and development department that is always striving for the latest innovations in compressed air technology.

## MAIN FEATURES

- TEFC, IP55, degree of protection electric motors dislaxion class;
- Automatic starters with phase and sequence failure detection;
- Lubricated air-end;
- Low maintenance costs;
- Low oil consumption;
- Coolers are on the top of the machine, improves heat recovery at costumers facilities;
- Thermostatic valve for working temperature control;
- Load/partial load/unload control from SRP 3040 II up to SRP 3075;
- Proportional control for SRP 3100 and SRP 3200;
- Maximum ambient temperature 113 °F/45°C;
- Synthetic oil;
- Variable speed available for 50hp and above;
- Y△ Starter with soft-starter (optional).

1. Air Filter
2. Inlet Valve
3. Oil Filter
4. Belt Drive
5. Air end
6. Air/Oil Separator
7. Main motor - TEFC
8. Air/Oil cooler
9. Minimum pressure valve
10. Oil level gauge
11. Electronic controller
12. Thermostatic valve



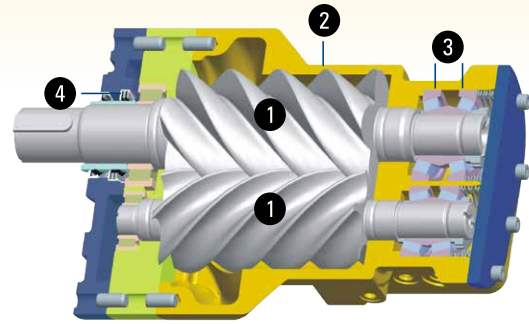
## ● COMPRESSOR

### 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.

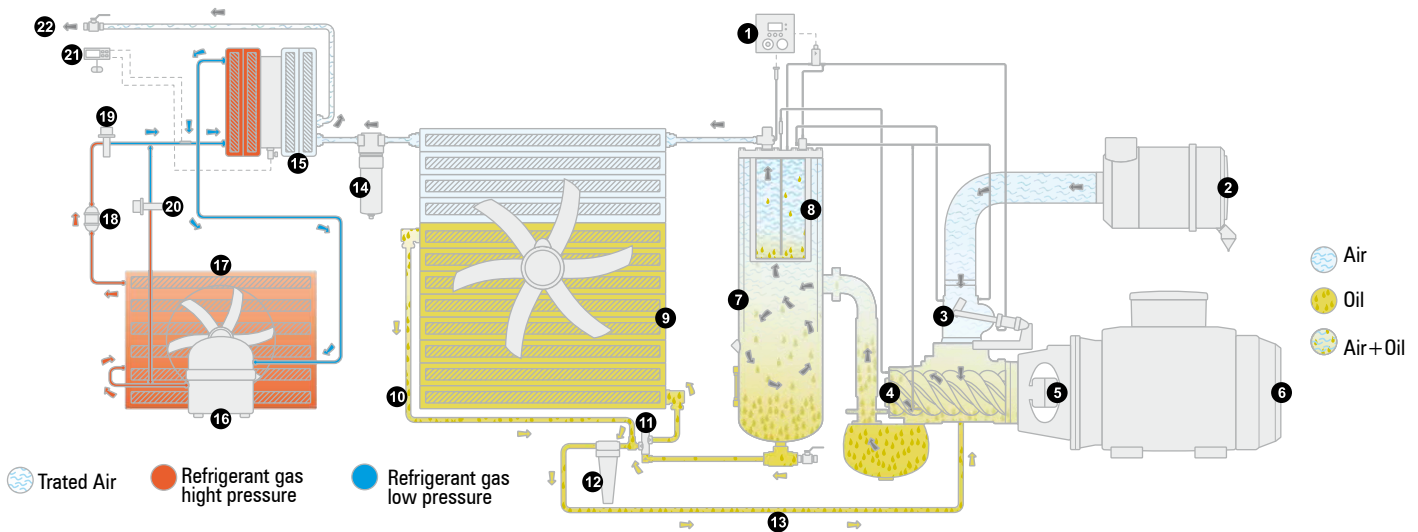
2. Casings: Manufactured by qualified foundry and machining processes with the latest generation of dimensional analysis resources, guaranteeing a greater precision in manufacture.

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.

## ● SCHULZ ROTARY SCREW COMPRESSOR OPERATION

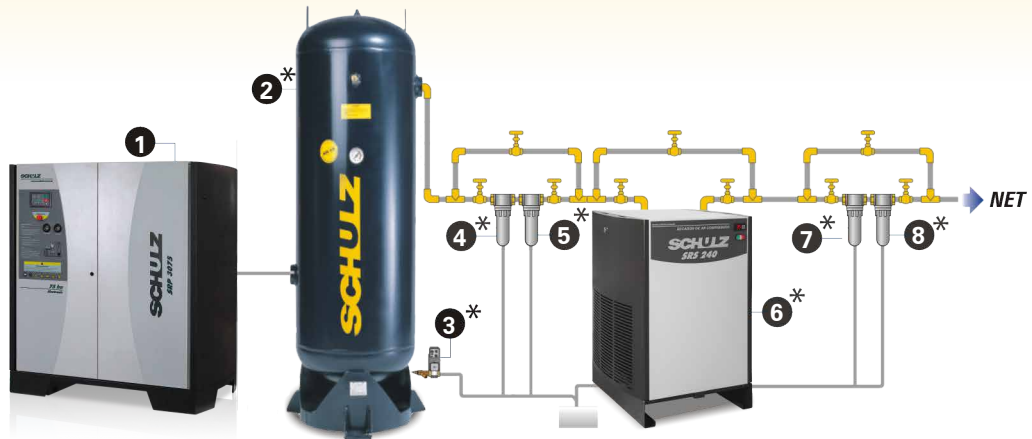


- 1 – Electronic Interface
- 2 – Air Filter (vehicular or conventional)
- 3 – Inlet Valve
- 4 – Air End
- 5 – Direct coupling
- 6 – Electric Motor
- 7 – Air / Oil Tank

- 8 – Air / Oil Separator
- 9 – Air / Oil Aftercooler
- 10 – Oil return hose
- 11 – Thermostatic Valve
- 12 – Oil Filter
- 13 – Oil injection line
- 14 – Pre-filter
- 15 – Heat exchanger

- 16 – Hermetic compressor
- 17 – Condensator
- 18 – Filter
- 19 – Expansion valve
- 20 – Bypass system
- 21 – Dryer Electronic Interface
- 22 – Treated air outlet

## ● TYPICAL COMPRESSOR INSTALLATION



### Compressor Station

- |                                |   |
|--------------------------------|---|
| 1. Screw compressor            | 7. Coalescent post filter               |
| 2. Condensate separator        | 8. Adsorption dryer                     |
| 3. Electronic drain            | 9. Activated carbon filter (absorption) |
| 4. Condensate separator filter | 10. Liquid separator (oil/water)        |
| 5. Coalescent pre-filter       |   |
| 6. Schulz dryer                |   |

Quality Class	Particles	Water	Oil
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	-

## ● ELECTRONIC PANEL AND INSTRUCTIONS

### Constant Readings

- Delivery pressure
- Air end discharge temperature
- Working hours
- Last 15 errors log
- Full load hours
- Partial load hours
- Maintenance time to air filter, oil filter, air/oil separator and oil
- Date/Time

### Operational Settings

- Operation method – load/unload or load/partial load/unload
- Remote/local
- Weekly schedule (on/off)
- Auto restart
- Maintenance time to air filter, oil filter and air/oil separator and oil
- Pressure and temperature units
- Starts per hour

### Error Messages

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



## ● PRODUCTS OF THE SRP LINE

### Advantages

#### Low noise level

- Low Speed
- Foam coated steel cabinet for noise reduction

#### Low discharge temperature

- Oversized cooling system
- Longer oil and oil separator life time
- Compressor prepared to handle higher ambient temperatures

#### Low maintenance

- Synthetic oil
- Robust belts
- Larger air ends – low speed – higher volume
- Oversized separator elements – low ppm and longer life time
- Full/partial/unload inlet valves - lower mechanical and flow stress
- Oversized separator elements - low ppm and longer life

#### Safety

- Belt guard
- 24 V command panel
- High
- Fault and sequence phase relay
- High temperature protection



**SRP 3015**



**SRP 3050**



**SRP 3075 E**



**SRP 3100 E**

Model	Code	Motor	Max. Working Pressure	CFM Displacement	Outlet Size inches	Net Weight lbs	Noise Level dB(A)	Width x Height x Depth inches
		hp	psig					
SRP 3015	970.2091-0	15	108 125 160	59 54 45	3/4	660	71	26.7 x 45.6 x 55
SRP 3020	970.2109-0	20	108 125 160	84 79 63	3/4	563	73	31.6 x 40.1 x 52.1
SRP 3030	970.2092-0	30	108 125 160	124 112 97	3/4	858	73	31.6 x 40.1 x 52.1
SRP 3050	970.2093-0	50	109 125 160	224 212 185	1 1/2	1.738	76	37 x 53.9 x 61.4
SRP 3075 E	970.2110-0	75	108 125 160	340 313 285	1 1/2	2.535	78	39 x 63 x 67
SRP 3100 E	970.2111-0	100	109 125 160	445 400 356	1 1/2	3.966	78	43.7 x 76.3 x 71.2

# COMPACT COMPRESSORS LINE

Performance in a compact design



## Highly Efficient Compact Models

The COMPACT line of Schulz Rotary Screw air compressors offers superior performance in a compact package. Featuring a tank mounted solution, these compressors present an efficient design which integrates technology and performance for any application.



**SRP 3015 COMPACT**



**SRP 3025 COMPACT**

Model	Code	Motor		Maximum Pressure		Discharge Connection	Free Air		ASME Tank gallon / type	Net Weight lbs	Width x Height x Depth inches
		hp	kW	bar	psig		cfm piés <sup>3</sup> /min	l/min			
SRP 3015 COMPACT	970.2839-0	15	11	7,5	109	3/4"	59	1.671	60 / horiz	404	53 x 53 x 24
				9	131		51	1.444			
				11	160		45	1.274			
SRP 3025 COMPACT	970.2840-0	25	18	7,5	109	3/4"	102	2.888	80 / horiz	630	61 x 60 x 26
				9	131		89	2.510			
				11	160		80	2.265			
SRP 3040 COMPACT	970.3233-0	40	30	7,5	109	1"	165	4.672	120 / horiz	980	64 x 71 x 30
				9	131		150	4.247			
				11	160		135	3.822			



# SCHULZ COMPRESSORS

## Company History

With more than 50 years in the market, Schulz is constantly improving. Using state of the art technology to achieve the competitiveness requested by the market. In the beginning, Schulz concentrated its activities on the foundry segment, and in 1972, Schulz began manufacturing air compressors.

What began as a line of only two air compressor models would soon turn into the largest and most complete line produced in Brazil. In 1984, Schulz products were made available through all of Latin America, Central America, and the USA.

Following this strategic development, in 1989 Schulz began the production of rotary screw compressors, competing in this segment with the biggest worldwide companies. In 1999, Schulz of America, Inc. was founded in Atlanta, Georgia with a warehouse, sales, and technical personnel who were trained at the head office in Joinville, Brazil. By doing this, Schulz definitively conquered it's share in the North American Market.

Currently, the company possesses modern industrial facilities with more than 667,000 ft2 of built up area where it develops diaphragm, reciprocating, and rotary screw compressors. Schulz continuously improves, perfecting production and testing processes and investing in staff development. Approved by the most demanding and rigorous 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 the product lines.

### SCHULZ OF AMERICA, INC.

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\* 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 Compresses Air Equipment.  
\* Sistema de Gestión de la Calidad - Planta de Joinville. Certificado en Escopo: Proyecto, Desarrollo, Fabricación y Venta de Compresores de Aire, Secadores de Aire y Conductos de Presión para Aire Comprimido.  
Comercialización de Herramientas Neumáticas y Accesorios para equipamientos de Aire Comprimido.



Certificates Available

