



# SCR compressors

product range overview



## Sino-Japanese joint venture for the production of efficient compressors



### SCR - compressors for the 21st century

Shanghai Screw Compressor Co., Ltd (SCR) is a manufacturing company established in 2000, focusing on innovation, research, development, production, sales and service in the field of industrial compressors. The SCR production plant is a modern facility with more than 250 employees on an area of over 80,000 m<sup>2</sup>. More than 10% of the staff is in the engineering division with a focus on research and development.

SCR's product portfolio consists of energy-efficient screw compressors, including oil-free and two-stage solutions. SCR manufactures in accordance with ISO 9001 standards, holds CE certification for the European market, UL for the US market, Class Zero certification for oil-free machines and the performance of all machines manufactured is audited by SGS.

After more than 20 years of development, SCR has entered into strategic collaborations with many partners and its products are exported to more than 80 countries worldwide.

In 2018, SCR started a strategic cooperation in the form of a joint venture with Japanese manufacturer Anest Iwata, which implemented its quality and technology control system at SCR, helping to develop and bring new, energy-efficient solutions and even more reliable compressors to the market.



**80,000**  
square meters  
of production area



**83**  
countries with a  
commercial presence



**50,000**  
compressor  
users



**140,000**  
units of compressors  
manufactured since 2000



# Product range overview

## SCR-PM2

variable speed compressors  
with direct drive  
and PM-motor IE4



**Power:** 7.5 - 15 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 57 - 144 Nm<sup>3</sup>/h

## SCR-PM

variable speed compressors  
with direct drive  
and PM-motor IE4



**Power:** 22 - 75 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 48 - 798 Nm<sup>3</sup>/h

## SCR-EPM2

variable speed compressors  
with direct drive  
and PM-motor IE4



**Power:** 55 - 160 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 600 - 1 980 Nm<sup>3</sup>/h

## SCR-D

fixed speed compressors,  
direct drive with coupling



**Power:** 7,5 - 75 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 60 - 798 Nm<sup>3</sup>/h

## SCR-II

fixed speed compressors,  
direct drive with coupling



**Power:** 90 - 400 kW  
**Pressure:** 7 / 8 / 10 / 12,5 bar  
**FAD:** 750 - 4 146 Nm<sup>3</sup>/h

## SCR-DV

variable speed compressors,  
direct drive with coupling



**Power:** 22 - 200 kW  
**Pressure:** 7 / 8 / 10 / 12,5 bar  
**FAD:** 210 - 2 106 Nm<sup>3</sup>/h



oil-free



PM-motor IE4



speed control



2 stage



low pressure



VSD fan

## SCR-H

2-stage screw compressors with fixed speed (H) or variable speed (HV)



**Power:** 90 - 315 kW  
**Pressure:** 7 / 8 / 10 / 12,5 bar  
**FAD:** 840 - 4 080 Nm<sup>3</sup>/h

## SCR-LB

low-pressure screw compressors with fixed speed (LB) or speed control and PM motor (LBPM)



**Power:** 37 - 200 kW  
**Pressure:** 1,5 / 3 / 4 / 5 bar  
**FAD:** 720 - 3 000 Nm<sup>3</sup>/h

## SCR-M

fixed speed compressors with V-belt transmission



**Power:** 5,5 - 75 kW  
**Pressure:** 7 / 8 / 10 / 12,5 bar  
**FAD:** 36 - 798 Nm<sup>3</sup>/h

## SCR-XA

oil-free scroll compressors



**Power:** 2,2 - 45 kW  
**Pressure:** 8 / 10 bar  
**FAD:** 18 - 300 Nm<sup>3</sup>/h

## SCR-G

oil-free screw compressors, two-stage with fixed speed



**Power:** 55 - 250 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 462 - 2 700 Nm<sup>3</sup>/h

## SCR-GV

oil-free screw compressors, two-stage with variable speed



**Power:** 37 - 280 kW  
**Pressure:** 7 / 8 / 10 bar  
**FAD:** 276 - 2 910 Nm<sup>3</sup>/h

Save up to 50% of energy



## Maximum energy saving

We don't make compressors to be cheap, we make them to produce compressed air as cheaply as possible. Most of our series are therefore equipped with the latest technologies to achieve exceptional energy savings, such as:

- two-stage compression with significantly higher efficiency than a single-stage compressor
- direct connection 1 : 1 between airend and motor without any losses
- optimised low-pressure versions for glass, cement and textile plants
- effective oil-free solutions for the food, beverage, medical and pharmaceutical industries
- permanent magnet electric motors with IE4 efficiency
- oil or liquid motor cooling
- economical motor and fan speed control
- sophisticated controllers for optimal pressure setting and operation planning

With all the energy saving solutions, you get a compressor with the SCR brand that will help you reduce your energy costs to the maximum.

## More than 140 000 installations

Over the past 20 years, more than 140 000 SCR compressors have been installed worldwide, often subjected to the harshest operating conditions, from Scandinavian freezing temperatures and desert dust to the high temperatures and extreme humidity of Latin America and Indochina.

Thanks to their state-of-the-art components and precise production control system, SCR compressors have stood up to the toughest tests in industry, energy and other areas with a need for highly efficient compressed air production.

Since 2020, the SCR brand is newly represented in the Czech Republic and we believe that it will gain a large number of satisfied users in our country as well.







Distributor of SCR compressors  
for the Czech and Slovak Republics:



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Your expert dealer: