

HAUG



Sauer Compressors



Oil-free scroll-compressor

- 2.2–30 kW
- Suction pressure atmospheric
- Final pressure max. 10 barg
- Max. 211 Nm³/h
- Air-cooled

HAUG.Uranus

Dependable up to 500 bar – anywhere, anytime, anygas.



■ HAUG.Uranus

HAUG.Uranus scroll-compressors

Scroll-compressors are characterized by their simplicity. Thanks to the rotating compressor design and their few components, scroll compressors are very reliable and easy to maintain.

HAUG.Uranus scroll-compressors are oil-free in every respect, as they contain no oil in the system. Contamination by the compressor is therefore practically impossible.

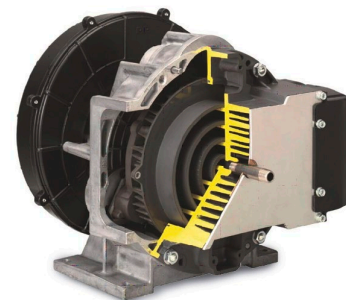
Efficient – Economical – Guaranteed Supply

The HAUG.Uranus scroll-compressors with 2.2 kW are controlled by a motor protection and pressure switch. From 3.7 kW an electronic control is installed, which controls and monitors the compressor, as well as gives the possibility of communicating with a control system or with other compressors (control option S1). For multiple-scroll-systems, the control system ensures a cyclic operation of every single compressor in order to optimize efficiency and load. This results in lower energy costs, longer service intervals, and greater security of supply in partial-load operation.

Installation with several HAUG.Uranus scroll-compressors can be connected together to optimise the operation via an optional parent based load switching control.

High quality – Reliable – Dependable

HAUG.Uranus scroll-compressors are equipped with a monitoring system for the discharge pressure and temperature as well as for the ambient temperature. The compressors are designed for continuous operation.



HAUG.Uranus scroll-compressors work with HITACHI scroll compressor blocks. HITACHI is the world leading manufacturer of scroll compressor blocks. These stand for highest reliability and efficiency, for long service intervals and low vibrations.

HITACHI scroll-compressor blocks have several innovative functions and features:

The patented HITACHI "wrap" design with labyrinth seal provides superior efficiency and reliability.

The hard alumite surface treatment of the running surfaces and the generously dimensioned roller bearings guarantee a long service life of the compressor.

Thanks to large aluminum cooling fins, HITACHI compressor blocks have an increased efficiency and a longer service life. The cooling of the compressor blocks is ensured through large cooling fans that are integrated in the compressor block and rotate synchronously with the scroll-compressor.

Scope of supply and technical description

- Air intake filter
- Scroll-compressor block of HITACHI
- Cooling fan integrated in the compressor block
- Temperature sensor for ambient temperature
- Room air fan
- Drive motor
- V-belt drive and V-belt drive pulley
- Temperature switch for discharge temperature
- Check valve
- After-cooler for compressed air
- Compressed air collecting vessel at the outlet
- Automatic condensation drain (from 3.7 kW)
- Pressure sensor for monitoring and control
- Electric control system Start/Stop/Reset and LED-display for status and error display (from 3.7 kW)
- Control option S1 with potential-free collective alarm (optional for 3.7 kW and 5.5 kW)
- Optional base load change control (from 3.7 kW) available for the operation of several compressors

Description of control (from 3.7 kW)

The control of the compressor is carried out through the selected maximum and minimum discharge pressure (i.e., the compressor runs after the start command until the maximum discharge pressure is reached). The start command is carried out either locally at the machine, or remotely. The compressor goes into operation when the pressure is lower than the minimum final pressure. The stop command is given either automatically when the maximum final pressure is reached, or remotely.

The controller carries out the security checks and starts the compressor if no lock conditions have been determined. For compressors with several scroll compressor blocks, the controller starts and stops the compressors individually, automatically taking into account the need and load, so that the compressor is operated ideally within a small pressure band.

Option: scroll-compressor mounted on a tank with refrigerant dryer and filter:

Version AS is mounted on a 270-liter tank, coated inside, with manual drain cock, with refrigerant dryer, designed for +3 °C dew point at +25 °C ambient temperature, with particle filter with 0.01 ppm filtration efficiency.





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HAUG Sauer is a part of the world-
 wide Sauer Compressors Group
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Type overview and technical data

HAUG.Uranus									
Compressor type ¹	Article number	Max. pressure in barg	Flow rate in l/min ²	Liefermenge Nm ³ /h ²	Motor power in kW	Sound level 1 m distance (dBA) ³	Connection	Dimensions LxBxH (cm)	Weight in kg
S 208	63.5100.08	8	250	15	2.2	65	G 1/2"	50 x 53 x 70	70
S 210	63.5100.10	10	210	13	2.2	63	G 1/2"	50 x 53 x 70	70
S 208 AS	63.5105.08	8	250	15	2.2	65	G 1/2"	160 x 53 x 127	270
S 210 AS	63.5105.10	10	210	13	2.2	63	G 1/2"	160 x 53 x 127	270
S 408 P1	63.9999.99	8	410	25	3.7	65	G 1/2"	65 x 85 x 94	175
S 408 S1	63.9999.99	8	410	25	3.7	65	G 1/2"	65 x 85 x 94	175
S 608 P1	63.5110.08	8	610	37	5.5	65	G 1/2"	65 x 85 x 94	205
S 608 S1	63.5110.18	8	610	37	5.5	65	G 1/2"	65 x 85 x 94	205
S 608 P1 AS	63.5160.09	8	610	37	5.5	65	G 1/2"	160 x 65 x 165	407
S 608 S1 AS	63.5160.08	8	610	37	5.5	65	G 1/2"	160 x 65 x 165	407
S 610 P1	63.5110.10	10	510	31	5.5	63	G 1/2"	65 x 85 x 94	205
S 610 S1	63.5110.20	10	510	31	5.5	63	G 1/2"	65 x 85 x 94	205
S 610 P1 AS	63.5160.10	10	510	31	5.5	63	G 1/2"	160 x 65 x 165	407
S 610 S1 AS	63.5160.11	10	510	31	5.5	63	G 1/2"	160 x 65 x 165	407
S 808	63.9999.99	8	820	49	2x 3.7	66	G 3/4"	68 x 122 x 104	425
S 1108	63.5120.08	8	1220	73	2x 5.5	67	G 3/4"	68 x 122 x 104	425
S 1110	63.5120.10	10	1020	61	2x 5.5	65	G 3/4"	68 x 122 x 104	425
S 1708	63.5130.08	8	1830	110	3x 5.5	68	G 3/4"	68 x 122 x 149	625
S 1710	63.5130.10	10	1530	92	3x 5.5	66	G 3/4"	68 x 122 x 149	625
S 2208	63.5140.08	8	2440	146	4x 5.5	70	G 3/4"	72 x 127 x 189	760
S 2210	63.5140.10	10	2040	122	4x 5.5	68	G 3/4"	72 x 127 x 189	760
S 3008	63.9999.99	8	3520	211	4x 7.5	69	G 3/4"	72 x 127 x 189	780

- Type versions short designations: AS = vessel version, P1 = electronic control version, S1 = electronic control version with collective alarm and remote on/off
- Flow rate measured at operating pressure (Norm-m³ at 1013 mbar and 20 °C)
- Sound pressure level according to GAGI Pneurop PN8 NTC2