

Screw compressors

RS-PRO 2-30,0 – 55,0

RSF-PRO 2-30,0 – 55,0



Made in
Germany



Motor power: 30.0 to 55.0 kW



RS-PRO 2-30,0 – 55,0



RSK-PRO 2-30,0 – 45,0



RSF-PRO 2-30,0 – 55,0



RSKF-PRO 2-30,0 – 2-37,0

RENNER GmbH Kompressoren – Success Rooted in Tradition.

RENNER GmbH Kompressoren have been known for reliable compressed air for more than 20 years. As a family owned business with fast decision-making processes, we set the benchmarks in developing, manufacturing and selling efficient screw compressors.

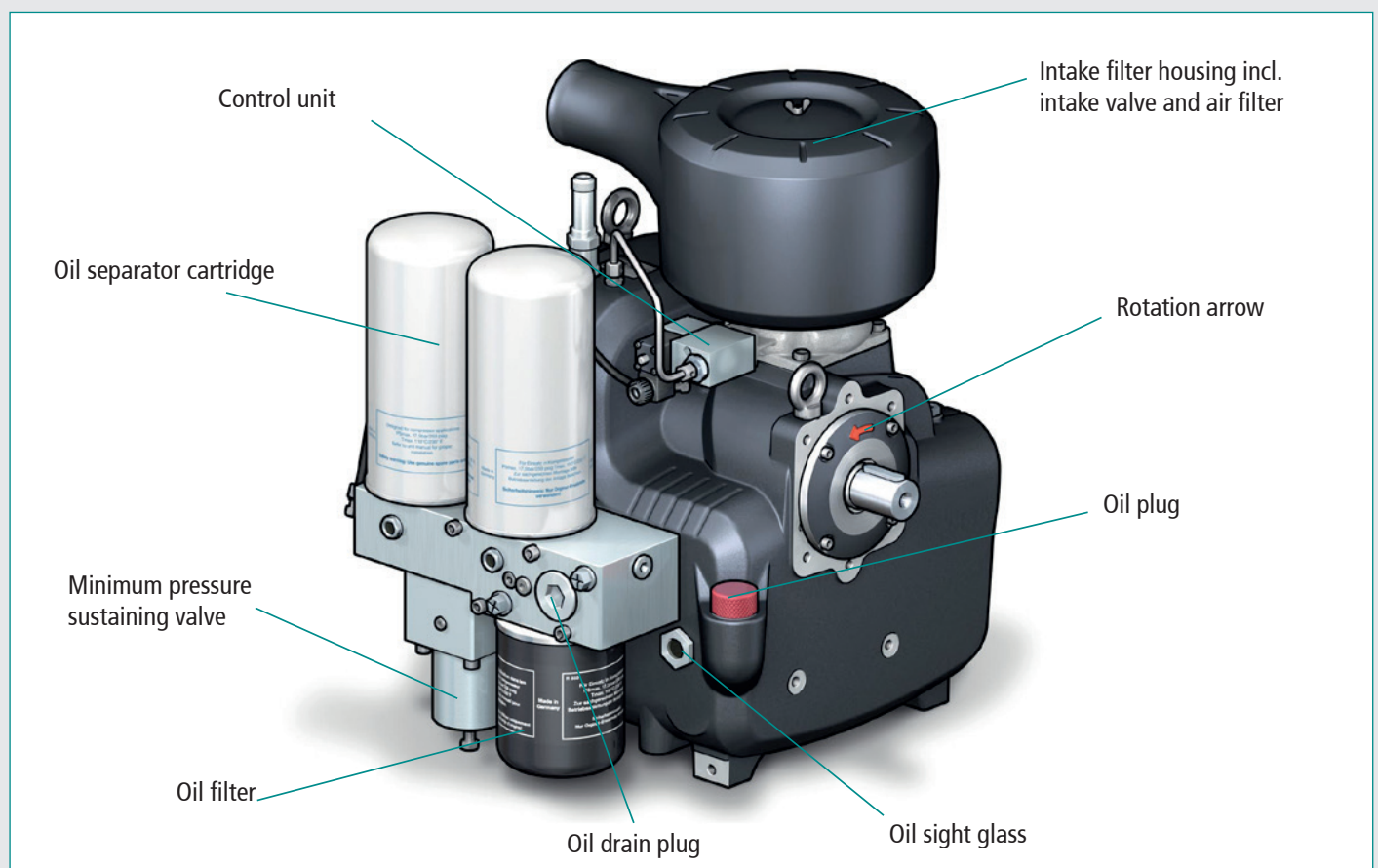
RENNER has more than one hundred employees to provide you with first-class technical advice, robust compressor engineering, and reliable service in virtually more than one hundred countries. We offer fast maintenance services in Germany and all over the world through our large distributor network. You can rely on the high quality standards of our oil-injected screw compressors as well as in the segments of oil-free compressed air and piston compressors. We are proud to assist you as a competent sales and service partner worldwide!



RS-PRO screw compressors – the compact, high-performance and robust series from RENNER.

Oil-injected screw compressors in the appropriate power range nowadays represent the most modern and most economical form of compressed air generation. RENNER is dedicated to this compression principle, with a performance range extending from 2.2 – 355 kW and an end pressure of up to 15 bar. RENNER screw compressors with asymmetric profile are designed for powerful industrial operation, with no compromise.

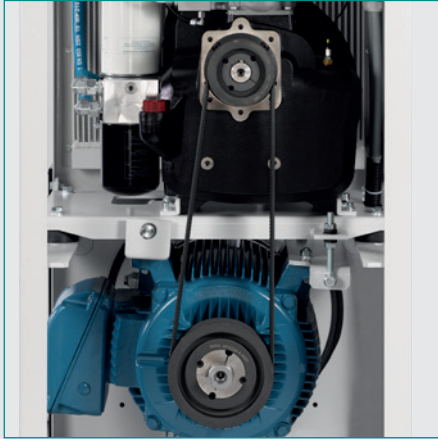
Excellent economy, long service life, and simple, economical maintenance are the most important criteria in the development of new products, and when developing the new RS-PRO series the focus was set firmly on powerful, efficient compressed air supply with low space requirement and easy access to the relevant parts for maintenance.



Design features and advantages of the RS-PRO series:

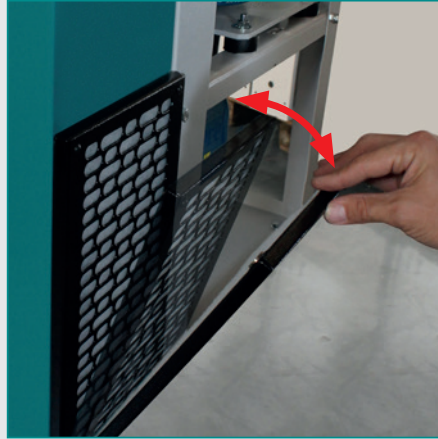
- 2-years full functional warranty
- Maintenance-friendly due to easily removable doors
- The right solution for all requirements: as a freestanding system, with attached refrigeration dryer and as a complete unit on air receiver in various sizes
- Intensive cooling combined with an effective oil-air cooler guarantees operational safety and excellent air quality
- Developed for industrial use – including continuous operation
- Standard components by German brand manufacturers provide a high standard of quality and flexibility in the event of faults
- High-performance compact air end with integrated oil thermo valve
- Effective rear duct silencer and multiple bearing arrangement on rubber-metal vibration dampers make for low noise and low vibration operation
- Control via RENNERlogic
- Optional extras: RENNERtronic / RENNERtronic Plus electronic control

Belt tension



Belt tensioning is effected by means of a motor rocker. The optimum sling arrangement of the belt around the pulley ensures even better power transfer.

Pre-Filter frame



The RS-PRO is optionally available with a pre-filter frame to protect against dirt contamination. The frame can be attached very simply by means of magnets.

Radial fan



The RSF-PRO Range is built standard with radial fan. Thanks to the efficient rear duct silencer and the new radial fan, noise levels are reduced to a minimum.



Protected frequency converter

The frequency converter is separated from the air supply of the compressor by a metal sheet and thus protected from polluting particles.

Heat exchanger

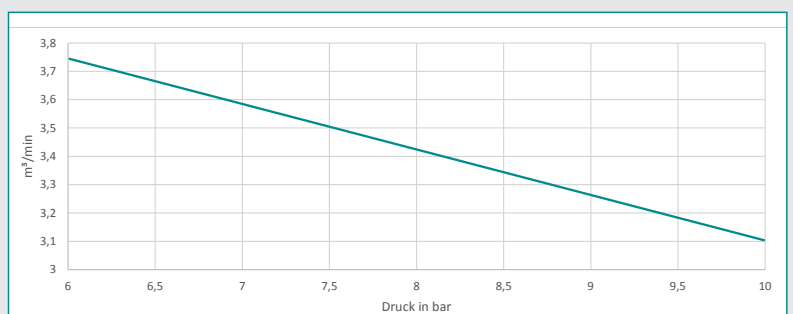
RENNER's RS-PRO range has an optional heat recovery system for industrial or hot water.



Operating mode of RSF Screw compressors from 6-10 bar (REflex)

All RENNER compressors with variable speed control adapt in frequency and FAD flexibly and automatically to the current pressure. Thus, the compressor delivers optimum FAD within the set pressure range (6-10 bar) at all times.

- FAD and control range automatically adapt to the current pressure
- Speed and workload limit of the motor are observed
- If pressure drops due to higher compressed air extraction, the REflex-function releases reserves that increase FAD. Thus sufficient air supply is guaranteed.
- The pressure range of 6 - 10 bar can be variably adjusted without having to change pulley and belt.



Energy Savings: Compressors with Variable Speed Control The RSF-PRO Range features high Quality & Efficiency

RENNER screw compressors with frequency control are designed for tough industrial application. Additionally the compressors are equipped with the RENNERtronic intelligent control and monitoring system.

Do you know how much energy your compressed air station requires and how much goes to waste?

About 60,000 compressed air stations in Germany consume 14 billion kWh of electricity annually. This corresponds to 5% of the electricity consumption of all German industrial plants. The energy savings potential of 30% is immense (4.2 billion kWh)! Moreover your commitment can contribute to reducing environmental pollution.

Compressed air stations work in the most efficient and economical way, if the entire system has been fine tuned. RENNER, the experienced German manufacturer of quality compressor systems, together with its reliable local distributors, can meet these requirements and get the job done for you.

Our partners in distribution are qualified to check your compressed air station in order to determine your savings potential and guarantee long-term economical operation. We can demonstrate to you how you could benefit by bringing down your operating cost and making an active contribution to reducing CO2 emissions at the same time.

Optimum use of energy: RENNER screw compressors with variable speed control

- Use of an efficient compressor control like RENNERconnect
- Use of heat recovery systems
- Use of advanced compressed air piping systems without leakage
- Regular service by factory-trained service technicians

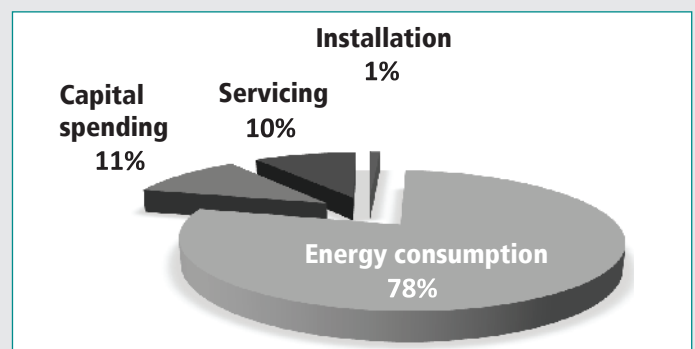
RENNER Frequency Control

Strong fluctuations of compressed air cannot be avoided in many operations. Even in such cases compressed air can be generated economically – the frequency controlled RENNER screw compressors guarantee a cost efficient steady flow of compressed air. The compressor performance is adapted via a variable electronic speed control to the actual need for compressed air. This guarantees economic operation; the frequency inverter is integrated and firmly installed in the complete control system.



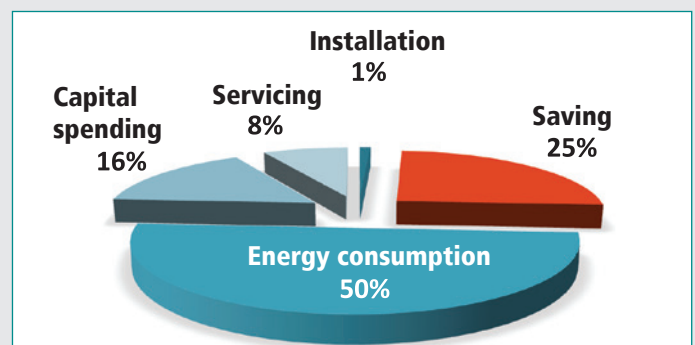
Comparing total cost after 5 years:

Conventional compressor station:



After 5 years of operation, the energy costs are usually 78% of the total cost of a conventional compressor. The only way to reduce the overall cost is to the cost of energy.

RENNER's RS-F compressors with variable speed control:



A RENNER RSF compressor can save up to 35% of your energy costs. This yields total savings of 25% of your compressor station and improves your overall energy balance considerably.



Screw compressors

RS-PRO 2-30,0 – 55,0

RSK-PRO 2-30,0 – 45,0 with attached refrigeration dryer

RS-PRO 2-30,0 – 55,0 / RSK-PRO 2-30,0 – 45,0

Model	Free air delivery								Motor power kW / HP		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	7,5 bar		10 bar		13 bar		15 bar							
	m³/min / cfm		m³/min / cfm		m³/min / cfm		m³/min / cfm		inch		dB(A) ⁽¹⁾	mm	kg	
RS PRO 2-30,0	5.22	184	4.61	163	3.59	127	3.29	116	30	40	1 1/4	74/71	1305/1400 x 830 x 1640	746/779
RS PRO 2-37,0	6.36	225	5.58	197	4.66	165	4.10	145	37	49	1 1/4	77/74	1305/1400 x 830 x 1640	762/795
RS PRO 45,0	7.70	272	6.92	244	5.71	202	4.99	176	45	60	1 1/2	77/74	1485/1680 x 880 x 1760	939/986
RS PRO 55,0	9.02	319	7.94	280	6.93	245	6.09	215	55	74	1 1/2	79/76	1485/1680 x 880 x 1760	1017/1064
RSK PRO 2-30,0	5.22	184	4.61	163	3.59	127	3.29	116	30	40	1 1/4	74/71	1654/1750 x 830 x 1640	829/862
RSK PRO 2-37,0	6.36	225	5.58	197	4.66	165	4.10	145	37	49	1 1/4	77/74	1654/1750 x 830 x 1640	845/878
RSK PRO 45,0	*	*	6.92	244	5.71	202	4.99	176	45	60	1 1/2	77/74	1834/2030 x 880 x 1760	1022/1069

⁽¹⁾ according to DIN EN ISO 2151:2009 ⁽²⁾ with rear duct silencer / with super rear duct silencer *on request
All models up to with ball valve and electrical feed cable.

Options	Part no.
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
Super rear duct silencer RS-PRO/RSK-PRO 2-30,0 + 2-37,0	07659
Super rear duct silencer RS-PRO 45,0 + 55,0 /RSK-PRO 45,0	07595
Level actuated drain for refrigeration dryer	05311

Screw compressors

RSF-PRO 2-30,0 – 55,0

RSKF-PRO 2-30,0 + 2-37,0 with attached refrigeration dryer

All with variable speed control, electronic control RENNERtronic and pre-filter frame



RSF-PRO 2-30,0 – 55,0 / RSKF-PRO 2-30,0 + 2-37,0

Model	Free air delivery (REFlex) ⁽²⁾				Free air delivery				Motor power		Compressed air outlet	Noise level	Dimensions L x W x H	Weight
	min. m³/min /cfm	max. at 6 bar m³/min /cfm	max. at 8 bar m³/min /cfm	max. at 10 bar m³/min /cfm	13 bar m³/min / cfm		15 bar m³/min / cfm		kW/HP		inch	dB(A) ⁽¹⁾	mm	kg
RSF-PRO 2-30,0	1.68	5.68	5.22	4.61	1.00-3.59	35-127	0.85-3.29	30-116	30	40	1 1/4	69	1400 x 830 x 1640	850
RSF-PRO 2-37,0	2.09	6.96	6.63	5.86	1.32-4.66	47-165	1.10-4.10	39-145	37	49	1 1/4	72	1400 x 830 x 1640	880
RSF-PRO 45,0	2.58	8.54	7.78	7.02	1.69-5.71	60-202	1.44-4.99	51-176	45	60	1 1/2	74	1680 x 880 x 1760	1120
RSF-PRO 55,0	3.00	9.34	8.94	8.18	2.01-6.93	71-245	1.73-6.09	61-215	55	74	1 1/2	76	1680 x 880 x 1760	1198
RSKF-PRO 2-30,0	1.68	5.68	5.22	4.61	1.00-3.59	35-127	0.85-3.29	30-116	30	40	1 1/4	69	1750 x 830 x 1640	933
RSKF-PRO 2-37,0	2.09	6.96	6.63	5.86	1.32-4.66	47-165	1.10-4.10	39-145	37	49	1 1/4	72	1750 x 830 x 1640	963

⁽¹⁾according to DIN EN ISO 2151:2009 ⁽²⁾REFlex Control: 6 to 10 bar, continuously variable

All models with ball valve and electrical feed cable.

Options	Part no.
Electronic control RENNERtronic Plus	05591
Level actuated drain for refrigeration dryer	05311

RENNER – THE SPECIALIST IN COMPRESSORS




Founded in 1994, this family run company employs a highly motivated and successful team specialising in the development and production of economic compressor systems. The structure and size of the company guarantees flexible decision-making and quick realisation, thus ensuring that new developments meet the needs of the market.

THE RENNER MANUFACTURING AND SUPPLY PROGRAMME:

We can supply you with the right compressor for any application – guaranteed.

SCREW COMPRESSORS:

- from 2.2 – 355.0 kW, also for oil-free compressed air of breathable quality
- water-injected screw compressors from 18.5 – 120.0 kW 
- up to 40 bar, e.g. for manufacture of PET bottles
- as compact units with compressed air tank, refrigerant drier and frequency control
- special version with plate heat exchanger – save energy and money!
- customised models, mobile/portable, built-in units, designed to customer specifications
- for special applications: gas compression, operation of drilling apparatus, rail and special-purpose vehicles

SCROLL COMPRESSORS:

- for oil-free compressed air from 1.5 – 30.0 kW



PISTON COMPRESSORS:

- from 1.5 – 11.0 kW
- stationary or mobile, with or without sound insulation

COMPRESSED AIR ACCESSORIES:

- compressed air filters, air receivers, refrigeration dryers, adsorption dryers, condensate drains and oil/water separation systems

Supplied by your RENNER distributor:

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