

## Screw compressors

**RS-PRO 3.0 – 11.0**  
**RSF-PRO 5.5 – 11.0**

 Made in Germany



**Motor power: 3.0 to 11.0 kW**



RS-PRO 3.0 – 11.0  
 RSF-PRO 5.5 – 11.0



RSK-PRO 3.0 – 11.0  
 RSKF-PRO 5.5 – 11.0



RSD-PRO 3.0 – 11.0  
 RSDF-PRO 5.5 – 11.0



RSDK-PRO 3.0 – 11.0  
 RSDKF-PRO 5.5 – 11.0

## 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!

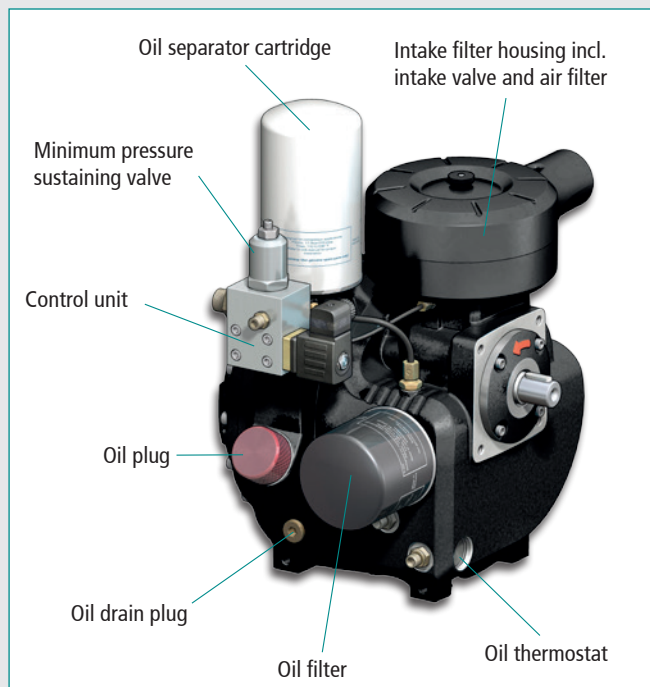




## RS-PRO screw compressors – the compact, high-performance and robust series from RENNER.

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

## Mobile even without a pallet



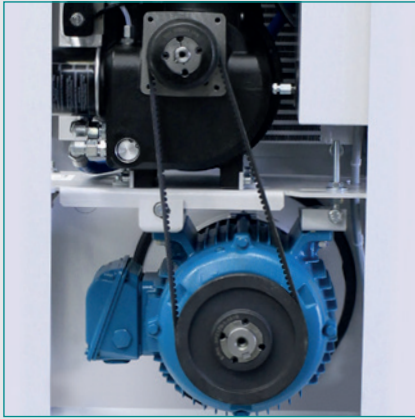
All variants with compressed air tank, manufactured and tested in accordance with AD2000 guidelines, can be moved by a forklift without the need for a pallet.

## Type tested for 90 and 2x90 litre compressed air tanks (7.5 + 10 bar)



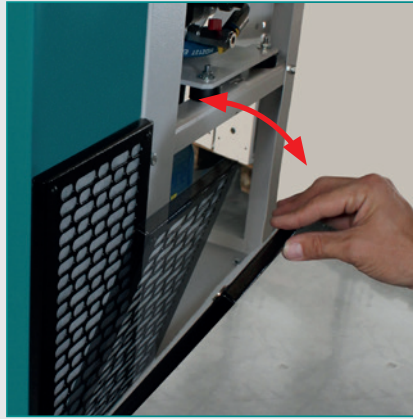
On the basis of the type testing in accordance with Article 14 in conjunction with Article 17 BetrSichV, the first installation acceptance procedure, testing before taking into operation, and recurrent pressure testing may only be carried out by a fully qualified person.

## Belt tension



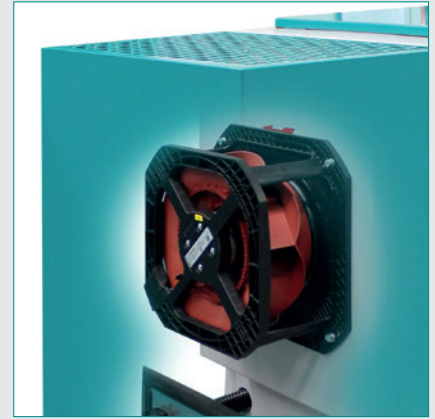
Belt tensioning is effected by means of a motor rocker. The optimum sling arrangement of the belt around the pulley ensures even better power transfer.

## Pre-Filter Frame



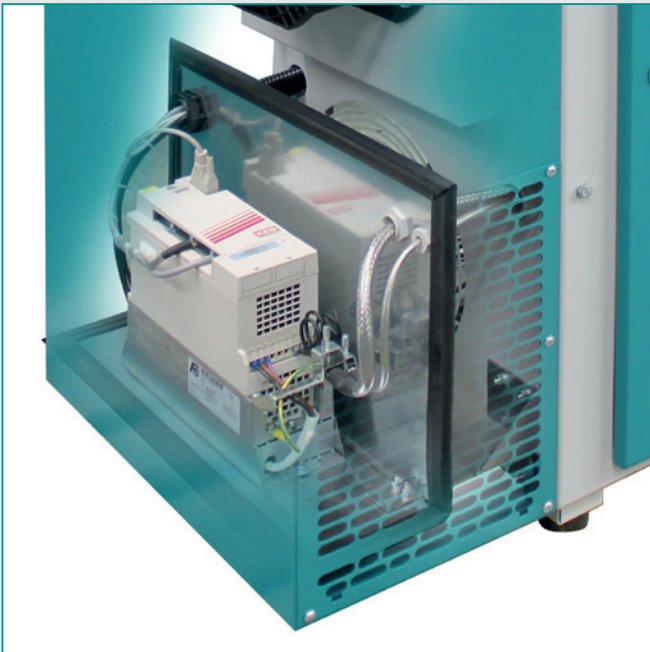
The RS-PRO is optionally available with a pre-filter frame to protect against dirt contamination. The frame can be attached very simply by means of magnets.

## 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.

## Frequency Converter

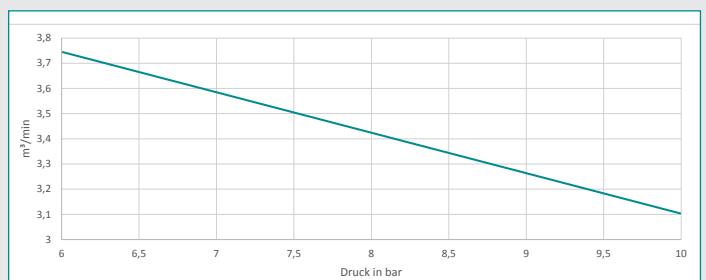


The frequency converter is separated from the air supply of the machine by a metal sheet and thus protected from pollution.

## 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

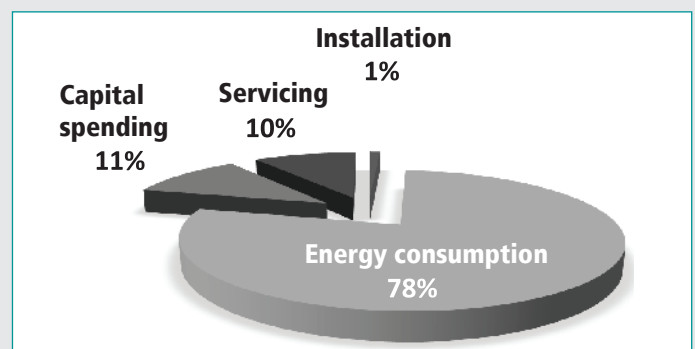
### RENNER Frequency Control

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.



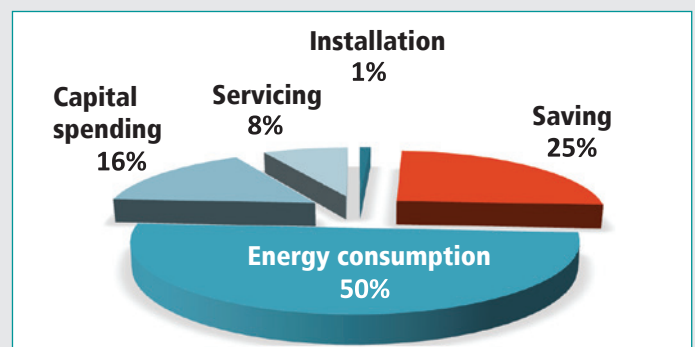
### Comparing total cost after 5 years:

#### 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 3.0 – 11.0

RSK-PRO 3.0 – 11.0 with attached refrigeration dryer

### RS-PRO 3.0 – 11.0 / RSK-PRO 3.0 – 11.0

Model	Free air delivery								Motor power		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		kW / HP		inch	dB(A) <sup>(1)</sup>	mm	kg
RS-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61 <sup>(2)</sup>	540 x 554 x 1014	153/167/176 <sup>(2)</sup>
RS-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61 <sup>(2)</sup>	540 x 554 x 1014	153/167/176 <sup>(2)</sup>
RS-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61 <sup>(2)</sup>	540 x 554 x 1014	172/186/195 <sup>(2)</sup>
RS-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61 <sup>(2)</sup>	540 x 554 x 1014	198/212/221 <sup>(2)</sup>
RS-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	74/70/68 <sup>(2)</sup>	540 x 554 x 1014	216/230/239 <sup>(2)</sup>
RSK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61 <sup>(2)</sup>	995 x 553 x 1014	203/212 <sup>(3)</sup>
RSK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61 <sup>(2)</sup>	995 x 553 x 1014	203/212 <sup>(3)</sup>
RSK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61 <sup>(2)</sup>	995 x 553 x 1014	222/231 <sup>(3)</sup>
RSK-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	63/61 <sup>(2)</sup>	995 x 553 x 1014	248/257 <sup>(3)</sup>
RSK-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	70/68 <sup>(2)</sup>	995 x 553 x 1014	266/275 <sup>(3)</sup>

<sup>(1)</sup> according to DIN EN ISO 2151:2009 <sup>(2)</sup> with rear duct silencer / with super rear duct silencer \*on request

<sup>(3)</sup> without rear duct silencer / with rear duct silencer All models up to 45.0 kW with ball valve and electrical feed cable.

Options	Part no.
Star-delta-starter for all 3.0 kW and 4.0 kW compressors	10866
Rotation direction control via phase rotation control	10867
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
Rear duct silencer for RS-PRO (sound reduction of about 4dB)	3.0 – 11.0 kW compressor overall dimensions: Length +200mm 18243
Super rear duct silencer for RS-PRO (sound reduction of about 6dB)	3.0 – 5.5 kW compressor overall dimensions: Length +280mm 04828
Super rear duct silencer for RS-PRO (sound reduction of about 6dB)	7.5 + 11.0 kW compressor overall dimensions: Length +280mm 04829
Exhaust air box RS-PRO	3.0 – 11.0 kW 04778
Super rear duct silencer for RSK-PRO (sound reduction of about 2dB)	3.0 – 5.5 kW compressor overall dimensions: Length +80mm 04828
Super rear duct silencer for RSK-PRO (sound reduction of about 2dB)	7.5 + 11.0 kW compressor overall dimensions: Length +80mm 04829
Level actuated drain for refrigeration dryer	05311

## Screw compressors

RSF-PRO 5.5 – 11.0

RSKF-PRO 5.5 – 11.0 with attached refrigeration dryer,

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



### RSF-PRO 5.5 – 11.0 / RSKF-PRO 5.5 – 11.0

Model	Free air delivery (REflex) <sup>(2)</sup>				Free air delivery		Motor power		Com-pressed 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) <sup>(1)</sup>	mm	kg	
RSF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	820x554x1014	215
RSF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	820x554x1014	237
RSF-PRO 11.0	0.42 / 15	1.64 / 58	1.60 / 57	1.56 / 55	0.65-1.29 / 23-46	0.56-1.11 / 20-39	11.0	15.0	G½	69	820x554x1014	263
RSKF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	1075x554x1014	245
RSKF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	1075x554x1014	262
RSKF-PRO 11.0	0.42 / 15	1.64 / 58	1.60 / 57	1.56 / 55	0.65-1.29 / 23-46	0.56-1.11 / 20-39	11.0	15.0	G½	69	1075x554x1014	288

<sup>(1)</sup>according to DIN EN ISO 2151:2009 <sup>(2)</sup>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





## Screw compressors

RSD-PRO 3.0 – 11.0  
on air receiver according to AD2000 directives  
(from 250 ltr with hand-hole)

RSD-PRO 3.0 – 11.0															
Model	Free air delivery								Motor power	Compressed air outlet	Noise level	Air receiver	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		kW / HP		inch	dB(A) <sup>(1)</sup> <sup>(2)</sup>	ltr	mm	kg
RSD-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61	90 <sup>(3)</sup>	980 x 554 x 1499	204/218/227 <sup>(1)</sup>
RSD-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61	90 <sup>(3)</sup>	980 x 554 x 1499	204/218/227 <sup>(1)</sup>
RSD-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61	90 <sup>(3)</sup>	980 x 554 x 1499	223/237/246 <sup>(1)</sup>
RSD-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61	2 x 90 <sup>(3)</sup>	980 x 765 x 1510	249/263/272 <sup>(1)</sup>
RSD-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61	2 x 90 <sup>(3)</sup>	980 x 765 x 1510	249/263/272 <sup>(1)</sup>
RSD-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61	2 x 90 <sup>(3)</sup>	980 x 765 x 1510	268/282/291 <sup>(1)</sup>
RSD-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61	2 x 90 <sup>(3)</sup>	980 x 765 x 1510	294/308/317 <sup>(1)</sup>
RSD-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	67/63/61	250	1397 x 612 x 1624	239/253/262 <sup>(1)</sup>
RSD-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	67/63/61	250	1397 x 612 x 1624	239/253/262 <sup>(1)</sup>
RSD-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	67/63/61	250	1397 x 612 x 1624	258/272/281 <sup>(1)</sup>
RSD-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	67/63/61	250	1397 x 612 x 1624	284/298/307 <sup>(1)</sup>
RSD-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	74/70/68	250	1397 x 612 x 1624	302/316/325 <sup>(1)</sup>
<sup>(1)</sup> without rear duct silencer / with rear duct silencer / with super rear duct silencer <sup>(2)</sup> according to DIN EN ISO 2151:2009															
<sup>(3)</sup> Type examination is available for 7.5+10bar      All models with ball valve and electrical feed cable.															
Options															Part no.
Star-delta-starter for all 3.0 kW and 4.0 kW compressors															10866
Rotation direction control via phase rotation control															10867
Powder-coated 500 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)															10871
Galvanized 90-ltr-air receiver <sup>(3)</sup> (supplement on price of powder-coated 90 ltr air receiver / only up to 10 bar)															02838
Galvanized 2x90 ltr air receiver <sup>(3)</sup> (supplement on price of powder-coated 2x90 ltr air receiver / only up to 10 bar)															17457
Galvanized 250 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)															10868
Galvanized 500 ltr air receiver (supplement on price of powder-coated 500 ltr air receiver version)															10870
Electronic control RENNERtronic															10869
Electronic control RENNERtronic Plus															00829
Rear duct silencer for RSD-PRO (sound reduction of about 4dB)									3.0 – 11.0 kW		compressor overall dimensions: Length +200mm			18243	
Super rear duct silencer for RSD-PRO (sound reduction of about 6dB)									3.0 – 5.5 kW		compressor overall dimensions: Length +280mm			04828	
Super rear duct silencer for RSD-PRO (sound reduction of about 6dB)									7.5 + 11.0 kW		compressor overall dimensions: Length +280mm			04829	
Exhaust air box RS-PRO 3.0 – 11.0 kW															04778
Kit for air receiver with level-controlled condensate drain															03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain															13274
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 15mm)															15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 40mm)															15221



## Screw compressors

### RSDF-PRO 5.5 – 11.0

on air receiver according to AD2000 directives (from 250 ltr with handhole)  
with variable speed control and pre-filter frame



RSDF-PRO 5.5 – 11.0													
Model	Free air delivery (REflex) <sup>(2)</sup>				Free air delivery		Motor power		Com-pressed air outlet	Noise level	Air receiver	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) <sup>(1)</sup>	ltr	mm	kg
RSDF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	90 <sup>(3)</sup>	980x554x1499	258
RSDF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	2x90 <sup>(3)</sup>	980x765x1510	311
RSDF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	2x90 <sup>(3)</sup>	980x765x1510	328
RSDF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	250	1397x612x1624	300
RSDF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	250	1397x612x1624	317
RSDF-PRO 11.0	0.42 / 15	1.64 / 58	1.60 / 57	1.56 / 55	0.65-1.29 / 23-46	0.56-1.11 / 20-39	11.0	15.0	G½	69	250	1397x612x1624	343
<sup>(1)</sup> according to DIN EN ISO 2151:2009													
<sup>(2)</sup> Reflex Control: 6 to 10 bar, continuously variable													
<sup>(3)</sup> Type examination is available up to 10bar.													
All models with ball valve and electrical feed cable.													
Options												Part no.	
Powder-coated 500 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)												10871	
Galvanized 90-ltr-air receiver <sup>(3)</sup> (supplement on price of powder-coated 90 ltr air receiver / only up to 10 bar)												02838	
Galvanized 2x90 ltr air receiver <sup>(3)</sup> (supplement on price of powder-coated 2x90 ltr air receiver / only up to 10 bar)												17457	
Galvanized 250 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)												10868	
Galvanized 500 ltr air receiver (supplement on price of powder-coated 500 ltr air receiver version)												10870	
Electronic control RENNERtronic Plus												05591	
Kit for air receiver with level-controlled condensate drain												03162	
Kit for 2x90 ltr air receiver with level-controlled condensate drain												13274	
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 15mm)												15220	
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 40mm)												15221	

## Screw compressors

### RSDK-PRO 3.0 – 11.0

on air receiver according to AD2000 directives  
(from 250 ltr with handhole) with attached refrigeration dryer



#### RSDK-PRO 3.0 – 11.0

Model	Free air delivery								Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar		10 bar		13 bar		15 bar		kW / HP		inch	dB(A) <sup>(1) (2)</sup>	ltr	mm	kg
RSDK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61	90 <sup>(3)</sup>	1043 x 554 x 1499	254/263 <sup>(2)</sup>
RSDK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61	90 <sup>(3)</sup>	1043 x 554 x 1499	254/263 <sup>(2)</sup>
RSDK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61	90 <sup>(3)</sup>	1043 x 554 x 1499	273/282 <sup>(2)</sup>
RSDK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61	2 x 90 <sup>(3)</sup>	1033 x 765 x 1510	299/308 <sup>(2)</sup>
RSDK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61	2 x 90 <sup>(3)</sup>	1033 x 765 x 1510	299/308 <sup>(2)</sup>
RSDK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61	2 x 90 <sup>(3)</sup>	1033 x 765 x 1510	318/327 <sup>(2)</sup>
RSDK-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	63/61	2 x 90 <sup>(3)</sup>	1033 x 765 x 1510	344/353 <sup>(2)</sup>
RSDK-PRO 3.0	0.54	19	0.41	15	0.29	10	0.24	8	3.0	4.0	G½	63/61	250	1397 x 612 x 1624	289/298 <sup>(2)</sup>
RSDK-PRO 4.0	0.69	24	0.55	20	0.44	16	0.37	13	4.0	5.5	G½	63/61	250	1397 x 612 x 1624	289/298 <sup>(2)</sup>
RSDK-PRO 5.5	0.91	32	0.78	28	0.61	22	0.51	18	5.5	7.5	G½	63/61	250	1397 x 612 x 1624	308/317 <sup>(2)</sup>
RSDK-PRO 7.5	1.25	44	1.09	38	0.86	30	0.79	28	7.5	10.0	G½	63/61	250	1397 x 612 x 1624	334/343 <sup>(2)</sup>
RSDK-PRO 11.0	1.61	57	1.56	55	1.29	46	1.11	39	11.0	15.0	G½	70/68	250	1397 x 612 x 1624	352/361 <sup>(2)</sup>

<sup>(1)</sup>according to DIN EN ISO 2151:2009 <sup>(2)</sup>with rear duct silencer / with super rear duct silencer <sup>(3)</sup>Type examination is available for 7.5+10bar  
All models with ball valve and electrical feed cable.

#### Options

#### Part no.

Star-delta-starter for all 3.0 kW and 4.0 kW compressors

10866

Rotation direction control via phase rotation control

10867

Powder-coated 500 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)

10871

Galvanized 90-ltr-air receiver<sup>(3)</sup> (supplement on price of powder-coated 90 ltr air receiver / only up to 10 bar)

02838

Galvanized 2x90 ltr air receiver<sup>(3)</sup> (supplement on price of powder-coated 2x90 ltr air receiver / only up to 10 bar)

17457

Galvanized 250 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)

10868

Galvanized 500 ltr air receiver (supplement on price of powder-coated 500 ltr air receiver version)

10870

Electronic control RENNERtronic

10869

Electronic control RENNERtronic Plus

00829

Super rear duct silencer for RSDK-PRO (sound reduction of about 2dB)

3.0 – 5.5 kW

compressor overall dimensions: Length +80mm

04828

Super rear duct silencer for RSDK-PRO (sound reduction of about 2dB)

7.5 + 11.0 kW

compressor overall dimensions: Length +80mm

04829

Level actuated drain for refrigeration dryer

05311

Kit for air receiver with level-controlled condensate drain

03162

Kit for 2x90 ltr air receiver with level-controlled condensate drain

13274

Metal bumper set for 90 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 15mm)

15220

Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 40mm)

15221



## Screw compressors

### RSDKF-PRO 5.5 – 11.0

on air receiver, with variable speed control, pre-filter frame and refrigeration dryer, all with electronic control RENNERtronic

Air receivers according to AD2000 directives (from 250 ltr with hand-hole).

#### RSDKF-PRO 5.5 – 11.0

Model	Free air delivery (REFlex) <sup>(2)</sup>				Free air delivery		Motor power		Compressed air outlet	Noise level	Air receiver	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							
RSDKF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	90 <sup>(3)</sup>	1123x554x1499	288
RSDKF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	2x90 <sup>(3)</sup>	1114x765x1510	341
RSDKF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	2x90 <sup>(3)</sup>	1114x765x1510	358
RSDKF-PRO 5.5	0.27 / 9.5	0.98 / 35	0.90 / 32	0.78 / 28	0.31-0.61 / 11-22	0.26-0.51 / 9-18	5.5	7.5	G½	62	250	1397x612x1624	330
RSDKF-PRO 7.5	0.33 / 12	1.37 / 48	1.24 / 44	1.09 / 38	0.43-0.86 / 15-30	0.40-0.79 / 14-28	7.5	10.0	G½	62	250	1397x612x1624	347
RSDKF-PRO 11.0	0.42 / 15	1.64 / 58	1.60 / 57	1.56 / 55	0.65-1.29 / 23-46	0.56-1.11 / 20-39	11.0	15.0	G½	69	250	1397x612x1624	373

<sup>(1)</sup>according to DIN EN ISO 2151:2009 <sup>(2)</sup>Reflex Control: 6 to 10 bar, continuously variable <sup>(3)</sup>Type examination is available up to 10bar.  
All models with ball valve and electrical feed cable.

Options	Part no.
Powder-coated 500 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)	10871
Galvanized 90-ltr-air receiver <sup>(3)</sup> (supplement on price of powder-coated 90 ltr air receiver / only up to 10 bar)	02838
Galvanized 2x90 ltr air receiver <sup>(3)</sup> (supplement on price of powder-coated 2x90 ltr air receiver / only up to 10 bar)	17457
Galvanized 250 ltr air receiver (supplement on price of powder-coated 250 ltr air receiver version)	10868
Galvanized 500 ltr air receiver (supplement on price of powder-coated 500 ltr air receiver version)	10870
Electronic control RENNERtronic Plus	05591
Level actuated drain for refrigeration dryer	05311
Kit for air receiver with level-controlled condensate drain	03162
Kit for 2x90 ltr air receiver with level-controlled condensate drain	13274
Metal bumper set for 90 ltr air receiver (consisting of 4 pieces. each Ø 75mm / height 15mm)	15220
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces. each Ø 75mm / height 40mm)	15221





## Screw compressors

RSD-PRO-ECN 3.0 – 11.0

on ECN air receiver

RSDK-PRO-ECN 3.0 – 11.0

on ECN air receiver with attached refrigeration dryer

ECN air receiver with inspection opening 2" according to AD2000 directives

### RSD-PRO-ECN 3.0 – 11.0 / RSDK-PRO-ECN 3.0 – 11.0

Model	Free air delivery				Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	7.5 bar	10 bar	7.5 bar	10 bar	kW	HP					
	m³/min / cfm	m³/min / cfm	m³/min / cfm	m³/min / cfm			inch	dB(A) <sup>(1)</sup>	ltr	mm	kg
RSD-PRO ECN 3.0	0.54	19	0.41	15	3.0	4.0	G½	67/63/61 <sup>(2)</sup>	270	1490 x 554 x 1609	247/261/270 <sup>(2)</sup>
RSD-PRO ECN 4.0	0.69	24	0.55	20	4.0	5.5	G½	67/63/61 <sup>(2)</sup>	270	1490 x 554 x 1609	247/261/270 <sup>(2)</sup>
RSD-PRO ECN 5.5	0.91	32	0.78	28	5.5	7.5	G½	67/63/61 <sup>(2)</sup>	270	1490 x 554 x 1609	266/280/289 <sup>(2)</sup>
RSD-PRO ECN 7.5	1.25	44	1.09	38	7.5	10.0	G½	67/63/61 <sup>(2)</sup>	270	1490 x 554 x 1609	292/306/315 <sup>(2)</sup>
RSD-PRO ECN 11.0	1.61	57	1.56	55	11.0	15.0	G½	74/70/68 <sup>(2)</sup>	270	1490 x 554 x 1609	310/324/333 <sup>(2)</sup>
RSDK-PRO ECN 3.0	0.54	19	0.41	15	3.0	4.0	G½	63/61 <sup>(3)</sup>	270	1490 x 554 x 1609	297/306 <sup>(3)</sup>
RSDK-PRO ECN 4.0	0.69	24	0.55	20	4.0	5.5	G½	63/61 <sup>(3)</sup>	270	1490 x 554 x 1609	297/306 <sup>(3)</sup>
RSDK-PRO ECN 5.5	0.91	32	0.78	28	5.5	7.5	G½	63/61 <sup>(3)</sup>	270	1490 x 554 x 1609	316/325 <sup>(3)</sup>
RSDK-PRO ECN 7.5	1.25	44	1.09	38	7.5	10.0	G½	63/61 <sup>(3)</sup>	270	1490 x 554 x 1609	342/351 <sup>(3)</sup>
RSDK-PRO ECN 11.0	1.61	57	1.56	55	11.0	15.0	G½	70/68 <sup>(3)</sup>	270	1490 x 554 x 1609	360/369 <sup>(3)</sup>

<sup>(1)</sup> according to DIN EN ISO 2151:2009 <sup>(2)</sup> without rear duct silencer / with rear duct silencer / with super rear duct silencer

<sup>(3)</sup> with rear duct silencer / with super rear duct silencer All models with ball valve and electrical feed cable.

Options	Part no.
Star-delta-starter for all 3.0 kW and 4.0 kW compressors	10866
Rotation direction control via phase rotation control	10867
500 ltr ECN air receiver (supplement on price of 270 ltr ECN air receiver version)	01714
Electronic control RENNERtronic	10869
Electronic control RENNERtronic Plus	00829
Rear duct silencer for RSD-PRO-ECN (sound reduction of about 4dB) 3.0 – 11.0 kW	18243
Super rear duct silencer for 3.0–5.5 kW (sound reduction RSD-PRO-ECN of about 6 dB / RSDK-PRO-ECN of about 2 dB)	04828
Super rear duct silencer for 7.5 + 11.0 kW (sound reduction RSD-PRO-ECN of about 6 dB / RSDK-PRO-ECN of about 2 dB)	04829
Exhaust air box RS-PRO ECN 3.0 – 11.0 kW	04778
Level actuated drain for refrigeration dryer	05311
Kit for air receiver with level-controlled condensate drain	03162
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces. each Ø 75mm / height 40mm)	15221

## Screw compressors

RSDF-PRO-ECN 5.5 – 11.0

on ECN air receiver with variable speed control and pre-filter frame

RSDKF-PRO ECN 5.5 – 11.0

on air receiver, with refrigeration dryer, variable speed control and pre-filter frame

All with RENNERtronic, air receiver with inspection opening 2" acc. to AD2000 directives



### RSDF-PRO-ECN 5.5 – 11.0 / RSDKF-PRO ECN 5.5 – 11.0

Model	Free air delivery (REflex) <sup>(2)</sup>								Motor power		Compressed air outlet	Noise level	Air receiver	Dimensions L x W x H	Weight
	min.		max.		max.		max.								
	m³/min/		m³/min/cfm		m³/min/cfm		m³/min/cfm		kW / HP		inch	dB(A) <sup>(1)</sup>	ltr	mm	kg
RSDF-PRO-ECN 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	5.5	7.5	G½	62	270	1490 x 554 x 1609	300
RSDF-PRO-ECN 7.5	0.33	12	1.37	48	1.24	44	1.09	39	7.5	10.0	G½	62	270	1490 x 554 x 1609	317
RSDF-PRO-ECN 11.0	0.42	15	1.64	58	1.60	57	1.56	55	11.0	15.0	G½	69	270	1490 x 554 x 1609	343
RSDKF-PRO-ECN 5.5	0.27	9.5	0.98	35	0.90	32	0.78	28	5.5	7.5	G½	62	270	1490 x 554 x 1609	330
RSDKF-PRO-ECN 7.5	0.33	12	1.37	48	1.24	44	1.09	39	7.5	10.0	G½	62	270	1490 x 554 x 1609	347
RSDKF-PRO-ECN 11.0	0.42	15	1.64	58	1.60	57	1.56	55	11.0	15.0	G½	69	270	1490 x 554 x 1609	373

<sup>(1)</sup>according to DIN EN ISO 2151:2009 <sup>(2)</sup>REflex Control: 6 to 10 bar, continuously variable  
All models with ball valve and electrical feed cable.

### Options

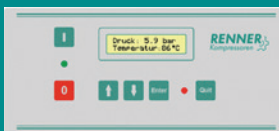
### Part no.

500 ltr ECN air receiver (supplement on price of 270 ltr ECN air receiver version)	01714
Electronic control RENNERtronic Plus	05591
Level actuated drain for refrigeration dryer	05311
Kit for air receiver with level-controlled condensate drain	03162
Metal bumper set for 250/270/500 ltr air receiver (consisting of 4 pieces, each Ø 75mm / height 40mm)	15221

## RENNERtronic-Control

### Advantages of the RENNERtronic

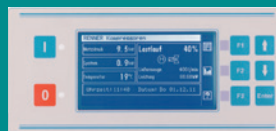
- Controls and monitors the units
- Displays
  - the main pressure within easily selectable pressure limits
  - the compressor temperature
  - errors/ fault message storage
  - maintenance intervals



### Advantages of the RENNERtronic Plus

- Easier operation due to a larger display
- Additionally equipped with a timer and improved BLCO
- Integrated timer with 7 channels
- Displays
  - the power consumption
  - the main pressure within easily adjustable pressure limit
  - the compressor temperature
  - errors/ fault message storage
  - maintenance intervals

Easy to operate thanks to text display of all messages and additional light-emitting diodes.



## Base Load Change Over

### Advantages of Base Load Change Over

- Even workload for all compressors in terms of operating hours
- All compressors are activated with the same switch on / off pressure
- High potential for energy savings
- High efficiency for fluctuating air demand



Master	Slave 1	Slave 2
1	2	3
3	1	2
2	3	1

#### Available with:

RENNERtronic incl. additional module  
RENNERtronic Plus  
RENNERcontrol

## RENNERcontrol: Base Load Change Over in a Wall Mounted Box

RENNERcontrol is a Base Load Change Over in a wall mounted box including web visualization and touchscreen. It is available in different versions.



### Advantages of RENNERcontrol

- Easy to retrofit
- Visualization of compressors
- Enhanced fault and maintenance management

#### Energy-saving Potential of RENNER Controllers



RENNERcontrol



RENNERconnect

## RENNERconnect

Does your compressed air station work economically? RENNERconnect is a superordinate, intelligent control for optimal management and monitoring of your compressed air station. Intelligent, air-demand based connection of the compressors provides not only high energy savings potential, but also ensures increased operational reliability of your compressors.

### Advantages of RENNERconnect

- Compressors with RENNERtronic, RENNERtronic Plus, or RENERlogic can be directly connected to RENNERconnect
- Maximum energy savings (up to 30%) by avoiding expensive idle time and load / unload switching cycles
- At least doubles the service life of suction controls, air ends, contactors and motors! The service cost corresponds to the actual load times.



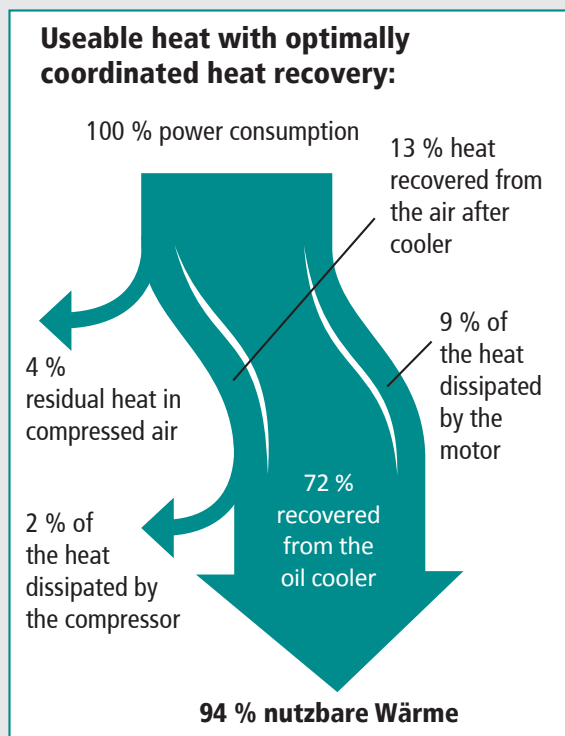
## Optional: Internal and external heat recovery.

When using screw compressors, a large amount of heat is generated in addition to the desired main product – compressed air. With RENNER heat recovery, you can regain up to 85% of the energy you have already used as heat in the form of hot air, industrial water or hot water.

This makes sense ecologically and saves a great deal of money!



## Heat recovery with integrated plate heat exchanger



- for RENNER screw compressors 2.2 kW – 355 kW
- standard: inlet temp 15°C, outlet 65°C (industrial water) or inlet temp 35°C, outlet 65°C (heating)
- other temperature ranges available on request
- safety heat exchanger

## External heat exchanger

The external heat exchanger impresses with very easy installation; an installer connects it to the existing water circuit. No external energy is required for operation!



## 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:

### RENNER GmbH · Kompressoren

Emil-Weber-Straße 32  
D-74363 Güglingen

Telefon +49 (0) 7135 93193-0  
Fax +49 (0) 7135 93193-50

E-Mail: [info@renner-kompressoren.de](mailto:info@renner-kompressoren.de)  
[www.renner-kompressoren.de](http://www.renner-kompressoren.de)

