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COMPRESS, NOW.

RS COMPACT
COMPRESSOR

RS COMPACT COMPRESSORS

For smaller volumetric flows of up to 800 Nm³/h and ultimate compression pressure of max. 16 bar (a), we developed our affordable, oil-injected RS COMPACT screw compressor. It is specially adapted for the compression of biogas, bio-methane, landfill gas, sewage gas, natural gas, flare gas, etc.. This range of products offers a variety of specific advantages:

- Compact, user/maintenance-friendly design
- Easy to set up without any special foundations
- Very small footprint
- Defined connection points, uncomplicated engineering and/or planning
- Few wearing parts
- Minimal amount of residual oil in the gas following separation [approximately 3-5 mg/m³], further reduction to 0.005 mg/m³ possible
- Easy and efficient regulation
- Air- or water-cooled design

- WE**
- We** are ISO9001 certified.
 - We** provide logistics, commissioning, training and maintenance.
 - We** guarantee spare parts availability for the lifetime of our packages.
 - We** offer tailor-made solutions.
 - We** implement ways to reduce the environmental impact of our products.
 - We** are committed to health and safety.
 - We** believe in our competence and invest in our people with ongoing education and training.
 - We** constantly invest in research and development.

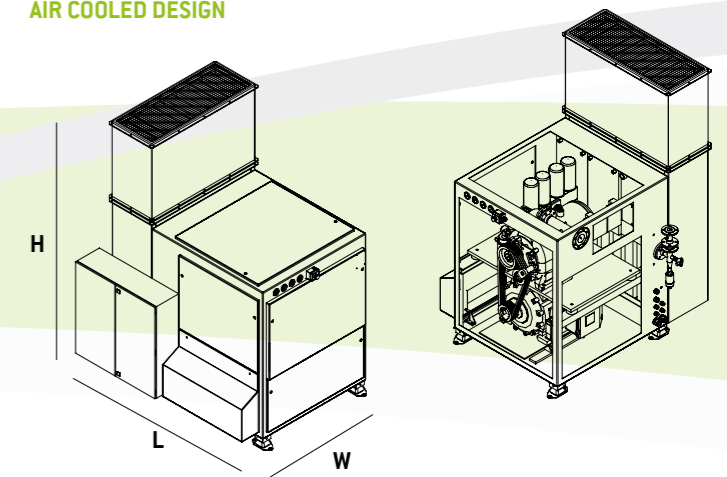
APPLICATIONS

RANGE OF APPLICATIONS

- Booster compressors in front of micro gas turbines and gas engines
- Biogas applications
- Landfill applications
- Digester applications
- Gas transport
- Gas injection
- Biomethan applications
- Chemical and petrochemical applications



AIR COOLED DESIGN



Dimensions LxWxH = 1760x1950x2650 mm

PERFORMANCE, RS COMPACT COMPRESSORS, WATER COOLED

Molecular Weight : 27,935 kg/kmol **z:** 0,997 **Suction Pressure:** 1,00 bar (a)
cp/cv: 1,304 **Suction Temperature:** 20,00 °C **Discharge Pressure:** 10,00 bar (a)

	VPT 110-10 RS														
	VPT 90-10 RS														
	VPT 75-10 RS														
Volume Flow:	580,50	550,00	520,00	490,00	460,00	430,00	400,00	370,00	340,00	310,00	280,00	250,00	220,00	210,70	Nm ³ /h
Suction Flow:	640,70	607,00	573,90	540,80	507,70	474,60	441,50	408,40	375,30	342,10	309,00	275,90	242,80	232,50	m ³ /h
Mass Flow:	12,21	11,57	10,94	10,31	9,68	9,05	8,42	7,78	7,15	6,52	5,89	5,26	4,63	4,43	kg/min
Shaft Power:	74,80	70,10	65,50	61,00	56,50	52,10	47,80	43,60	39,40	35,20	31,20	27,20	23,30	22,00	kW
Oil Heat:	58,70	55,00	51,40	47,90	44,40	40,90	37,50	34,20	30,90	27,70	24,50	21,40	18,30	17,30	kW
Main Rotor Speed:	4.200,0	3.971,0	3.746,0	3.521,0	3.296,0	3.071,0	2.845,0	2.620,0	2.395,0	2.170,0	1.945,0	1.720,0	1.495,0	1.425,0	/min
Speed in %:	100,00%	94,55%	89,19%	83,83%	78,48%	73,12%	67,74%	62,38%	57,02%	51,67%	46,31%	40,95%	35,60%	33,93%	

