CompAir

SUSTAINABLE MANUFACTURING

Sustainable Heat Recovery

Energy Recovery Box For Oil-Lubricated Rotary Screw Compressors.

7.5 - 132 kW

CA Series Energy Recovery Box

Turn waste heat to your advantage – save huge amounts of energy, cut CO_2 emissions AND improve operating costs!

Around 70% of the energy needed to run a rotary screw compressor gets converted to heat during the compression process. Without heat recovery, this heat is directly blown into the atmosphere.

The heat generated during compression is paid for as part of the process, then it creates additional costs as this heat needs to be removed by cooling fans or by the use of water. At the same time, most companies consume a lot of energy and money to generate hot process water, space heating or preheat water for steam generation.

Given that compressed air systems account for 10% of all electricity used in industry, and energy is the largest single lifecycle cost of a compressor, it makes sense to recover this heat, save energy and reduce costs.

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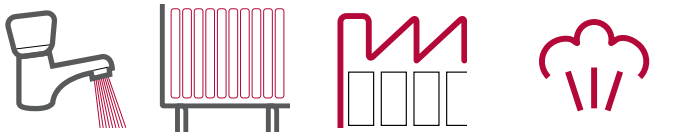
Optimised Heat Recovery for a Sustainable Future.

Save money. Save Energy. Help protect the environment.

Give your compressed air system an efficiency upgrade & SAVE MONEY

With an energy recovery box from CompAir, the heat generated by the compressor can be re-used, providing the following **BENEFITS**:

- Significant savings in energy costs
- Minimum operational costs due to high energy prices
- Lower CO_2 emissions
- Easy mount across 7.5-132 kW oil-lubricated compressors
- Reliable & durable with stainless steel housing and heat exchanger
- Easy installation and operation
- Minimal maintenance
- Small footprint



Operating Pressure (Oil)	1 - 13 bar
Maximum Water Pressure	10 bar
Max. Outlet Water Temperature	70°C
Pressure Drop (Oil)	~ 100 mbar
Ambient Temperature	5°C - 45°C
Water Temperature Indicator	Analogue Mechanical

Technical Data

CompAir Energy Recovery Boxes

Type	CompAir Frame 2 to 5 [kW]	Recoverable Energy [kW]
Energy Recovery Box CA1	7.5 - 22	5.6 - 17
Energy Recovery Box CA2	30 - 37	23 - 30
Energy Recovery Box CA3	45 - 75	36 - 60
Energy Recovery Box CA4	90 - 132	72 - 106