

E-max – Turnkey Heat Recovery Solution for Oil free Compressors

- The perfect match for Ultima and D-Series water-cooled compressors up to 200 kW
- Usable water temperatures of up to 85°C
- Extremely compact design, lowest footprint

PureAir
ISO CLASS: ZERO PLUS SILICONE FREE



Maximising Plant Efficiency

It is a thermodynamic fact that around 95% of the energy needed to run a compressor gets converted to heat. In most cases this energy is wasted to the atmosphere through heat dissipated by the cooling system.

At the same time, most companies consume a lot of energy and money to generate hot process water, space heating or to preheat water for steam generation.

With E-max, the turnkey heat recovery installation from CompAir, the heat generated by the compressor can be re-used providing the following benefits:

- ▶ Huge savings in energy costs
- ▶ Extremely short payback time
- ▶ Significant improvement of CO₂ Footprint
- ▶ Turnkey solution
- ▶ Easy installation and operation
- ▶ Low footprint
- ▶ High reliability
- ▶ No impact on compressed air supply

Covered by

PureCARE

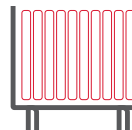
PUREAIR SERVICING & MAINTENANCE PROGRAMME

**6 years extended warranty
free of charge**

Integrated heat recovery



Hot Water



Heating



Industrial
Process



Pre-heating
for steam
generation

Efficient heat recovery system for oil-free compressors

Reduce your carbon footprint
and save money



Turnkey heat recovery solutions
from the oil-free specialist



E-max – Scope of supply

- Heat recovery heat exchanger to heat up your usable water
- Backup heat exchanger, operated in times when the heat demand is not sufficient to cool down the cooling water to the requested max. inlet temperature for the compressor
- Speed regulated pump to control the cooling water temperature before the heat recovery heat exchanger
- Intuitive coloured touch screen controller providing providing a quick and comprehensive performance overview, including visualisation of current and cumulated recovered heat

Broad range of further options:

- Electrical valve kit 1: To control the water outlet temperature on the customer side of the heat recovery heat exchanger
- Electrical valve kit 2: To control the external cooling water flow through the backup cooler in order to reduce water consumption when the backup cooler is not needed
- Additional backup pump
- Connecting kit comprising ball valves and adapters from Victaulic to 1" internal threads for all water connections
- Compressed air aftercooler (provided loosely. The E-max box as a standard includes inlet and outlet connections for the aftercooler's cooling water)



Did you know that the air-cooled version of Ultima is the only air-cooled oil-free compressor in the market which is applicable for heat recovery and delivers immense energy savings?

If you would like to learn more visit:

www.gardnerdenver.com/en-gb/compair/two-stage-variable-speed-screw-compressor



**Would you like to know how much money you can save with
our heat recovery solutions?**

Please click [here](#)