Gardner Denver

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

- The perfect match for Ultima and EnviroAire T/TVS water-cooled compressors up to 200 kW
- Usable water temperatures of up to 85°C
- Extremely compact design, lowest footprint to 200 kW
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- 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 Gardner Denver, the heat generated by the compressor can be re-used providing the following benefits:

- Hugh savings in energy costs
- Extremely short payback time
- Significant improvement of $CO_2$ Footprint
- Turnkey solution
- Easy installation and operation
- Low footprint
- High reliability
- No impact on compressed air supply

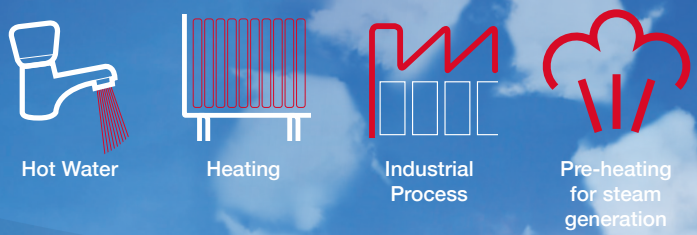
Covered by

PureCARE

PUREAIR SERVICING & MAINTENANCE PROGRAMME

6 years extended warranty free of charge

## Integrated heat recovery



# Efficient heat recovery system for oil-free compressors

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## 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:
https://www.gardnerdenver.com/en-gb/gdproducts/products/compressors/oil-less-oil-free-compressors/ultima-series-u75-u160”

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

gdcompressors.eu@gardnerdenver.com
**www.gardnerdenver.com/gdproducts**

For additional information please contact Gardner Denver or your local representative.

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