



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

- The perfect match for Ultima and EnviroAire T/TVS water-cooled compressors 55 - 400 kW
- Usable water temperatures of up to 85°C
- Extremely compact design and footprint

PureAir
ISO CLASS: ZERO PLUS SILICONE FREE



Maximising Plant Efficiency – Why Heat Recovery?

- Approx. 95% of the energy input into a compressor is converted to heat
- Without heat recovery, this heat is directly blown to atmosphere (cooling air, radiation heat) or creates additional costs (re-cooling of cooling water)
- Recovering this heat allows to save huge amounts of operating cost
- Heat recovery with E-max provides...

- ▶ High 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
- ▶ Connection of up to three compressors to one E-max box

Protect your Investment with

PROTECT **10**
years

Extended Warranty for GD Compressors

Invest in your future with a
Service & Warranty Agreement



Space-heating



Industrial
process heat



Hot Water



Pre-heating
for steam
generation

Turnkey **heat recovery**
solutions from the oil-free specialist

E-max does not require complex system engineering. Just connect your compressor and water supply to start saving energy and money!

Learn more...

Heat recovery system for oil-free compressors

Reduce your carbon footprint.
Save money.

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 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)

E-Max - Available Sizes

Size	Compressors	Total Thermal Capacity	Footprint
kW		kW	W x D x H (mm)
55 - 200	>3	200	1,835 x 973 x 1,327
250 - 400	>3	400	



Frame 1



Frame 2

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

Specifications subject to change without notice.