

TOPAZ

ADIABATIC COOLER WITH EC-FANS



150 - 1850 kW



78 - 100 dB(A)



Axial



adiabatic

TOPAZ: Adiabatic cooler with closed water circuit. Particularly hygienic, efficient and easy to maintain.

Advantages at a glance

Heat exchanger: Robust finned heat exchanger with high-quality copper tubes. Suitable for media temperatures from -10°C to +80°C.

Plug & Play: Connect, set target values and cool efficiently. The TOPAZ is delivered ready to connect with the appropriate control system – optionally with smart integration into higher-level control technology.

Easy maintenance: Optimal access to all relevant components. Vertically positioned heat exchangers for easy cleaning. Tool-free replacement of humidification mats.

Energy and water saving: Thanks to adiabatic pre-cooling of the supply air flow with minimal water consumption. Efficient partial load operation of the EC fans at cooler outside temperatures.

INDUSTRIAL PROCESS COOLING, FOOD,
PHARMACEUTICALS & CHEMICALS

- No chemicals required
- Energy and water saving

**NO WATER
TREATMENT
REQUIRED**

RANGE

Capacity
150 - 1850 kW

Application

Exterior installation, Building air conditioning, Industrial process cooling, pharmaceuticals & chemicals

Performance & Efficiency

The **TOPAZ** offers powerful cooling performance with minimal resource consumption. The integrated adiabatic pre-cooling is only activated when needed and provides additional efficiency on hot days. A high dry switchover point enables long dry phases and significantly reduces water consumption. EC fans in efficiency class IE4 are particularly energy-efficient and quiet – without the need for additional frequency converters. The factory-integrated control system facilitates commissioning and saves space and installation effort.

Quality & construction

TOPAZ impresses with its high-quality, maintenance-friendly design. Robust materials and surface coatings offer reliable corrosion protection. A large door allows free access to the interior – for maintenance and service without the need for a crane or scaffolding.

Operation, maintenance & accessories

All relevant components can be accessed quickly and without tools. Optionales, in das Gerät integriertes Rückhaltesystem, für den sicheren Betrieb bei dem Einsatz wassergefährdender Stoffe wie z.B. Glykol. The overall concept is complemented by comprehensive safety features such as emergency stop, RCD protection, locked doors and protective grilles. This ensures that operation remains not only efficient, but also safe and low-maintenance.

