



Servtec select FXVS Eurovent certified closed circuit cooling towers as a great match for thyssenkrupp's premium quality production facility

LOCATION

At the world's largest production site for **packaging steel** in Andernach (Germany), thyssenkrupp produces tin coated or electrolytic chromium coated steel in thicknesses of 0.100 to 0.499 mm - either with or without organic coatings.

As one of Europe's **biggest packaging steel manufacturers**, thyssenkrupp serves around 400 customers in 80 countries, producing the packaging steel of the future as **efficient, optimized and sustainable** as possible.

CUSTOMER REQUIREMENT, NEEDS & EXPECTATIONS

- 🛡️ Year-round **RELIABLE** performance
- ⚙️ Easy **MAINTENANCE** and **INSPECTION**



thyssenkrupp, Andernach Germany

BAC SELECTION

(4) FXVS 1218C-32Q-P closed circuit cooling towers

- ★ With a **year-round reliable operation** as key factor in this process, BAC selected the FXVS cooling tower, with a thermal performance certified by CTI-Eurovent. The customer was convinced by the reliability and accessibility option the FXVS offers.
- ★ **Support** of the local BAC & HQ team throughout the whole process for both **the contractor and the customer**: design, installation, commissioning and start-up

Options and accessories:

- ★ Baltibond® Hybrid coating
- ★ External platforms with ladders and safety cages
- ★ Motor davit support
- ★ Clean out port
- ★ Heater package



(4) FXVS 1218C-32Q-P



TECHNICAL DETAILS

Temperatures: 29°C / 26°C / 23°C

Cooling Capacity: 1188 kW per unit



“We chose BAC’s cooling towers because of their energy efficiency, reliability and innovative technologies that perfectly meet our specific requirements”



24/7 RELIABLE OPERATION

Thermal performance - The thermal performance of the FXVS is tested and certified by CTI-Eurovent. Our unique heat transfer system, featuring combined flow via a heat exchange coil and fill pack, can perfectly match the requested thermal challenge.

Multiple fan motor system covers independent fan motor and drive assembly per fan for stand-by in case of fan failure. BAC’s Baltibond® hybrid coating guarantees long service life.

BAC’s factory installed heaters keep the water temperature at 4°C and act as a simple and economical anti-freeze measure to maintain and enhance your equipment’s reliability.



Easy and safe access to the top of the unit via the ladder, cage and platform

EFFORTLESS MAINTENANCE AND EASY INSPECTION

Easy accessibility - Via a large hinged access door you can enter the spacious plenum, where you can inspect and maintain with unrivalled comfort. The BACross® II fill sheets reduce fouling and are telescopically supported, allowing complete inspection of the fill core without dismantling. The self-cleaning cold water basin and fill above a sloped basin ensure any dirt and debris is flushed out.

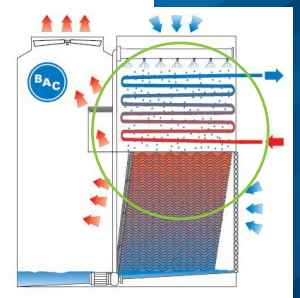
A ladder, with safety cage, leading to a platform means easier and safer inspection and maintenance can be done. The water distribution section can be viewed with ease from outside, during operation. With the motor removal davit, the motor can easily be lowered from or lifted to the motor base without the need for extra heavy material or scaffolding.

The clean out port facilitates basin cleaning and helps improve year-round system hygiene.

ENERGY SAVINGS

Unmatched energy savings - The unique combined heat transfer system ensures minimized system-wide energy consumption. The patented combined flow design (coil on fill) optimizes the sensible heat transfer of the coil by cooling the spray water over the cross flow fill. This guarantees unrivalled efficient heat rejection at the lowest possible energy input.

The BACross® II fill is factory-configured for maximum water/air contact and minimal air pressure drop for optimal cooling tower efficiency with limited energy consumption. High efficiency fan motors reduce electricity consumption for the same cooling capacity.



Patented combined flow design optimizes heat rejection

The combinations add up - The year-round reliable operation, the minimal maintenance requirements and energy savings,... All these elements combined result in the Eurovent certified FXVS closed circuit cooling tower bringing a **low overall operating cost** and **trouble-free operation** to its owner for many years to come.

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