



## PGK Duct coolers

### Duct coolers with rectangular connections and cold water as energy medium

- Rectangular duct installation horizontally
- Corrosion-protected casing
- Removable access panel for inspection and cleaning
- Stainless steel drip tray for condensation water
- Nipples for venting and draining

[Find more details in our online catalogue](#)

#### Duct installation

The PGK water cooling battery is designed to be inserted into standard **rectangular ducts** and can be installed in **horizontal** position with an optional direction of airflow.

#### High air tightness

PGK duct collars meet **air tightness class D** as per EN 15727, which ensures that the cooled air reaches its destination and **does not leak out** of the ventilation system that saves both energy and money.

#### Robust design

Casing of PGK made of aluzinc-coated (AZ 185) sheet steel to provide **high corrosion protection**. Coil with **copper pipes** and **aluminium fins** with **hydrophilic** coating.

#### Easy cleaning and maintenance

To facilitate **easy cleaning and maintenance**, the PGK water cooling battery features a **removable drip tray**.

**Application:** The PGK duct water cooler is designed to use chilled water as an energy medium and is used to cool down the ventilation air in a ventilation system with rectangular ducts.

**Design:** Casing made of aluzinc-coated sheet steel, AZ 185. Coil with copper pipes and pipe connections as well as aluminium fins with hydrophilic coating. Coil is equipped with nipples for draining and venting. Duct connections are fitted with standard 20 mm flanges. Input completed with removable stainless steel (EN 1.4301) drip tray for collection of condensation water with G $\frac{1}{2}$ " connection for drain.

**Installation:** Can be installed in a horizontal duct with an optional direction of airflow. It is also designed to be fixed to the rectangular duct system with screws or guide connections. The cooler must be installed so that the finned coil, drip tray and condensate outlet are accessible for cleaning.

**Operating Data:** Maximum operating pressure of 1,0 MPa (10Bar). All the coils are pressurised and leak tested.

**Droplet Eliminator:** For air velocities above 2.5m/s, we recommend to instal a droplet eliminator at the outlet end of the coil. This prevents water droplets from being carried along with the air flowing through the duct system. The accumulated water is drained off via the same drip tray for condensation water. The droplet eliminator is easy to access after removing the drip tray. The droplet eliminator must be ordered separately as accessory.

**Control:** Unit capacity can be controller on demand by using recommended accessories - controllers, various sensors, valves and actuators to provide regulation of the room or supply air temperature.

**Maintenance:** The water cooler is fitted with a removable drip tray to facilitate easy cleaning and maintenance. The heat exchanger must be cleaned regularly in order to retain the best performance from the heater. Cleaning is facilitated by using a mild detergent. An effective filter is recommended in the system to reduce maintenance work.

## Technical parameters

### Dimensions and weights

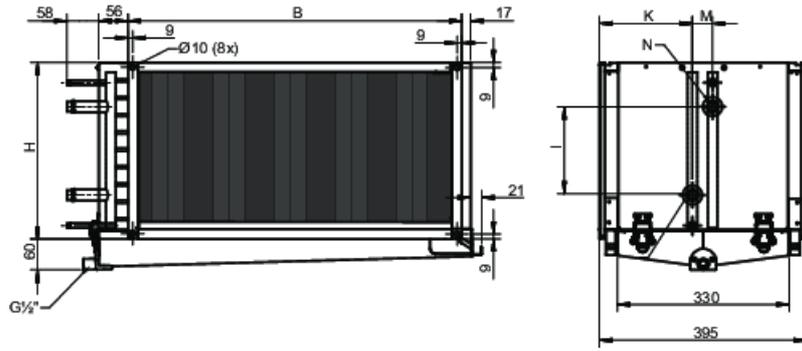
|   |           |    |
|---|-----------|----|
| Duct dimension, inlet (height x width)  | 200 x 400 | mm |
| Duct dimension, outlet (height x width) | 200 x 400 | mm |
| Weight                                  | 10.7      | kg |

### Others

|                      |                     |
|----------------------|---------------------|
| Duct cooler/heater   | Cooling coil, water |
| Duct connection type | Rectangular         |

## Performance

## Dimension



| B   | H   | I  | K   | M  | N      | DE       |
|-----|-----|----|-----|----|--------|----------|
| 438 | 238 | 70 | 176 | 43 | R 3/4" | DE 40x20 |

## Accessories

- TG-A1/PT1000 Surface sensor (7284)
- Argus-RC-C3DOC Room controller (27142)
- RVAZ4 24A Actuator 0-10V (9862)
- ZTV 15-1,6 2-way valve (9824)
- DE 40x20 dropelemin. PGK/DXRE (7005)
- Argus-RC-O Room Controller (2913)
- ZTR 15-1,6 valve 3-way (9673)

## Documents

- INSTALLATION\_INSTRUCTION\_PGK\_MULTILINGUAL.PDF
- EU Conformity\_decl. PGK, VBR, DXRE(D), VBC, CWK.pdf