



# Towel Radiator

Bath and Living Spaces



SANPAN ISITMA SİSTEMLERİ SAN VE TİC A.Ş. was found by Ünal Sandalcı in March 2005 in Manisa Industrial Zone with 6,000 m<sup>2</sup> of closed space, using the first oven welding technology in Turkey, and begun Towel Radiator production and domestic and international sales.

In June 2006 Sanpan has made a partnership with Zehnder Group AG, a well-established Swiss company. Founded in 1895 in Switzerland, Zehnder Group is a large, international entity holding 830 Patents and Designs, operating in 70 countries with over 3000 employees, with their own factories in 14 countries. Sanpan was taken over by Zehnder Group in 2012 by 100% share transfer.

Zehnder as a group sets its goals in the framework of fundamental needs of Health, Cooling, Digitalization and Urbanization based on their motto of "Increasing life quality by providing optimal indoor climate." In line with their aim to grow in Towel Radiator industry, Zehnder has decided to invest in a new factory, production space and equipment for Manisa Sanpan operation in 2017.

Consequently, 40,216.51 m<sup>2</sup> of land was bought in Section IV of the Manisa Industrial Zone and a factory with 14,886.70 m<sup>2</sup> closed space was built on this land. Transport and production activities were commenced at this facility as of 2nd half of 2018.

The new investment also included additional new machinery

and equipment in addition to those transferred from the current facility. Sanpan aims to become more productive by improving its machinery and production technology, to provide a more convenient and comfortable work environment for its employees, and to achieve growth up to twice its volume in Towel Radiator industry with its more than 200 qualified personnel. On this road, the corporate culture and ethical values of the company hold the utmost priority.

Holding to quality-first production responsibility while continuing R&D studies with the same level of care, Sanpan is proud to provide our customers with distinguished products with newly developed innovations.

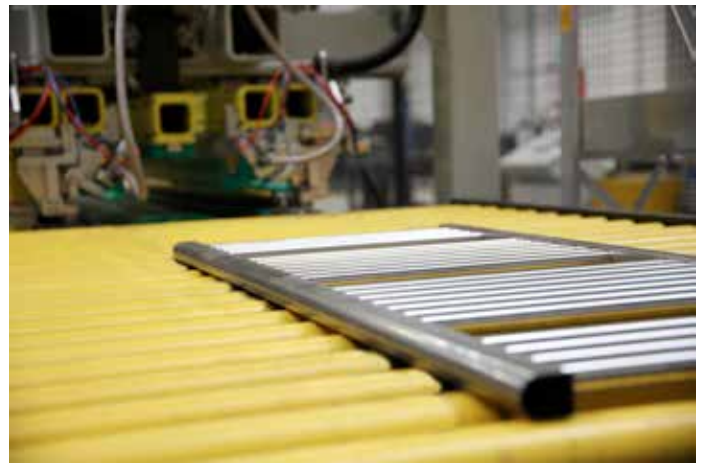
The Integrated Management Systems Scope, internal and external elements, the general structure of the company (corporate units, functions and physical limits) of Sanpan were analyzed in line with capacities, capabilities and strategic plans of the company in order to ensure control and effect, and compliance obligations are determined in consideration of stakeholders and expectations.

SANPAN aims to constantly improve quality of its customer-oriented products and services, thus providing products offering value for its sector at all times. The Integrated Management System (IMS) scope of the company is determined as "Towel Design, Production and Sales."





1- Profile Polishing



2- Automatic Assembling Line



3- Furnace Brazing



4- Chrome Plating Plant



5- Painting Line



6- Laboratory



7- Electrical Product Line



8- Packaging Line

# VISION, MISSION, VALUES

## Our Vision

We aspire to be one of the world's most respected companies committed to creating energy-efficient solutions for a healthy and comfortable indoor climate. We strive to improve the quality of life by providing our customers the best indoor climate solutions.

## Our Mission

Our Mission is to be the first choice of our customers, to offer the best solutions, with an excellent team.

## Our Values

Our Values are, Customer focus, Respect, Trust, Curiosity, Openness



**TS EN 442**

**Declaration of  
Performance  
(DoP)**

# QUALITY CERTIFICATIONS



## First proposed in 1980s, towel radiator has many advantages.

Many of us prefer towel radiators in our kitchens and baths due to their decorative and fashionable look. However, towel radiations also have other advantages and benefits.

### Towel radiator cares for your bath comfort!

#### Keeps you warm

A Towel Radiator selected at the correct dimension and capacity will bring your bathroom to the desire temperature. Towels and bathrobes warm up to just the right temperature bring comfort to your body as you dry up after your bath.

#### Provides hygiene in your bathroom

Keeping temperature and moisture levels of the bathroom under control prevents propagation of bacteria and mold in the environment, as well as preventing generation and dispersion of dust particles, improving general air quality in your bathroom.

#### Efficiency and Design

By design, Towel Radiators heat up very quickly and provide you with comfort with utmost speed. In addition to keeping towels dry, its many other functions allow use rack radiators in many spaces other than conventional bathrooms. In cold climates the rack sections of the radiator can also be used to heat and dry clothing.

Towel Radiators are environmentally friendly. They use only 10% of the energy used in clothes driers.

### Areas for Towel Radiator use

#### Bathroom

This is the conventional area of use for Towel Radiators. Radiators help create a hygienic environment in bathrooms. They ensure your towels and bathrobes remain dry.

#### Kitchen

Like in the bathroom, hygiene is also very important in the kitchen. Radiators prevent generation of mold and bacteria by ensuring all clothes, towels, etc. used in the kitchen remain dry. They provide comfort by balancing moisture levels in kitchens with high levels of moisture.

#### Entrance Halls, Garages, Pantries

Radiators dry out wet winter clothes and gloves. They also provide you with dry clothes when you are heading out.

#### Laundry Rooms

Especially clothes that require hand washing and small clothes can be safely dried on a Towel Radiator. Clothes dried on a radiator have a softer and more comfortable feel. This level of heat is also ideal for baby blankets and bedding.

#### Pools and Spas

If you have a pool or enjoy water sports, Towel Radiators provide excellent driers for extra towels, bathing suits and water-sport clothes.



VITAL  
COMFORT  
FOR BATH  
AND KITCHEN





European standard packaging



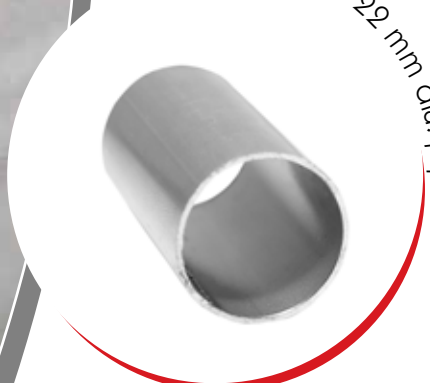
30x40 mm profile



Safe packaging



22 mm dia. pipe



Continuous R&D management



Quality Control



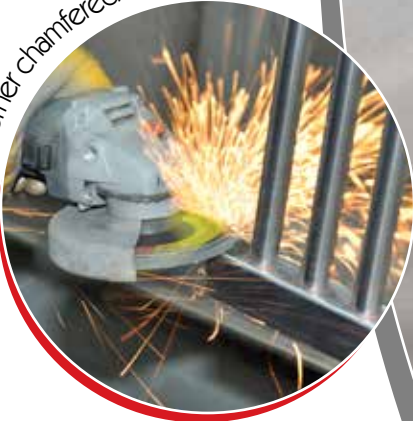
Traceability



Furnace Brazing



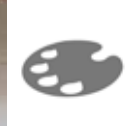
Cap corner chamfered



Corner Protection & Logo



10 bar





T090



### Available versions

- Straight and curved
- White and chromed plated
- Other colours on request
- 50 mm-middle connection optional

### Material and dimensions

**Collector**  
D-Profile 30x40 mm

**Round Tubes**  
Ø 22 mm

**Pitch**  
42 mm

- Fully range is CE certified, tested according to EN442
- NF Certified

### High variety

**Width**  
400 / 450 / 500 / 550 / 600 / 750

**Height**  
607 / 775 / 1217 / 1469 / 1856

**Outputs**  
150 to 1125 Watt



## Available versions

- Straight and curved
- White and chromed plated
- Other colours on request
- 50 mm-middle connection optional

## Material and dimensions

**Collector**  
D-Profile 30x40 mm

**Round Tubes**  
Ø 22 mm

**Pitch**  
44 mm

- Fully range is CE certificated, tested according to EN442

## High variety

**Width**  
300/400/450/500/550/600/750

**Height**  
600/700/800/900/1000/1100/1200/1300/1400/1500/1600/1700/1800

**Outputs**  
150 to 1050 Watt



# T125



## Available versions

- Straight and curved
- White and chromed plated
- Other colours on request

## Material and dimensions

**Collector**  
D-Profile 30x40 mm

**Round Tubes**  
Ø 25 mm

**Pitch**  
44 mm

- Fully range is CE certified, tested according to EN442

## High variety

**Width**  
400 / 500 / 600

**Height**  
800 / 1200 / 1500 / 1800

**Outputs**  
200 to 1000 Watt



### Available versions

- White and chromed plated
- Other colours on request
- Optional without middle connection
- Brackets are on back the collectors

### Material and dimensions

**Collector**  
D-Profile 35X50 mm

**Round Tubes**  
Ø 23 mm

**Pitch**  
46 mm

- Fully range is CE certificated, tested according to EN442

### High variety

**Width**  
450 / 500 / 550 / 599 / 749 / 899

**Height**  
804 / 1172 / 1448 / 1770

**Outputs**  
350 – 1400 Watt



# ART1



## Available versions

- White and chromed plated
- Other colours on request

## Material and dimensions

**Collector**  
Ø 32 mm

**Tubes**  
10x60 Flat

- Fully range is CE certificated, tested according to EN442

## High variety

**Width**  
500 / 600

**Height**  
800/950/1200/1300/1600

**Outputs**  
200 to 750 Watt



**Available versions**

- Straight
- White and chromed plated
- Other colours on request
- 50 mm-middle connection optional

**Material and dimensions**

**Collector**  
30x30 Square

**Tubes**  
25x25 Square

**Pitch**  
85 mm

- Fully range is CE certificated, tested according to EN442

**High variety**

**Width**  
500

**Height**  
800/1000/1200/1400/1600

**Outputs**  
200 to 600 Watt



# ART10



## Available versions

- White and chromed plated
- Other colours on request

## Material and dimensions

**Collector**  
Ø 32 mm

**Round Tubes**  
Ø 16 mm

**Pitch**  
40 mm

- Fully range is CE certificated, tested according to EN442

## High variety

**Width**  
500

**Height**  
900/1200

**Outputs**  
200 to 370 Watt



**Available versions**

- White and chromed plated
- Other colours on request

**Material and dimensions**

**Collector**  
40x40 Square

**Tubes**  
20x20 Square

**Pitch**  
40 mm

- Fully range is CE certificated, tested according to EN442

**Possible Dimensions**

**Width**  
500

**Height**  
800/1000/1180/1400/1600

**Outputs**  
200 to 700 Watt



# ART43



## Available versions

- White and chromed plated
- Other colours on request
- Straight version on request

## Material and dimensions

### Collector

D Profile 30x40 mm

### Tubes

15x30 Oval Tubes

### Pitch

45 mm

- Fully range is CE certificated, tested according to EN442

## High variety

### Width

500

### Height

800/1000/1180/1200/1400/1600

### Outputs

200 to 700 Watt



## Available versions

- White and chromed plated
- Other colours on request

## Material and dimensions

### Collector

D Profile 30x40 mm

### Round Tubes

Ø 22 mm

### Pitch

40 mm

- Fully range is CE certificated, tested according to EN442

## High variety

### Width

500

### Height

900

### Outputs

100 – 160 Watt





## Available versions

- White and chromed plated
- Other colours on request
- Thermostats with plug or without plug
- Thermostats or simple on/off

## Material and dimensions

### Collector

D Profile 30x40 mm

### Round Tubes

Ø23 mm

### Pitch

40 mm

- Fully range is CE certificated, tested according to EN 60335-2-30 and 43
  - Class II, IP44, IK09, 230V, 50Hz
  - ECODESIGN
  - NF Certificated

## Possible Dimensions

### Width

400 / 500 / 600

### Height

860 / 980 / 1300 / 1540 / 1940

### Outputs

150 – 1000 Watt

## Available versions

- Straight and Curved
- White and Chrome Plated
- Other colours on request
- Thermostats with plug or without plug
- Thermostats or simple on/off

## Material and dimensions

**Collector**  
D Profile 30x40 mm

**Round Tubes**  
Ø 22 mm

**Pitch**  
44 mm

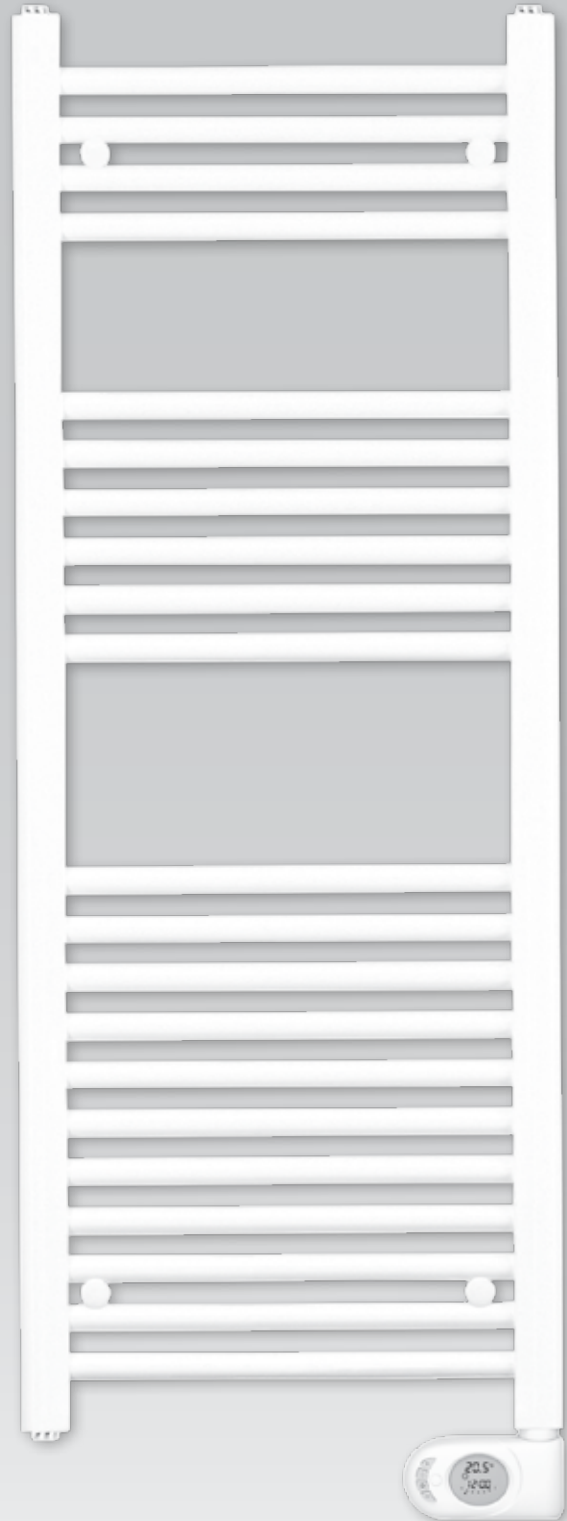
- Fully range is CE certificated, tested according to EN 60335-2-30 and 43
  - Class II, IP44, IK09, 230V, 50Hz
  - ECODESIGN

## High variety

**Width**  
500 / 600 / 750

**Height**  
874 / 1374 / 1574 / 1874

**Outputs**  
150 – 1200 Watt





# T200E



## Available versions

- White
- Other colours on request
- With thermostat and European plug

## Material and dimensions

**Collector**  
D-Profile 35x50 mm

**Round Tubes**  
Ø23 mm

**Pitch**  
46 mm

- Fully range is CE certificated, tested according to EN 60335-2-30 and 43
- Class II, IP44, IK09, 230V, 50Hz

## High variety

**Width**  
500 / 599

**Height**  
878 / 1246 / 1522 / 1844

**Outputs**  
300 – 1000 Watt

## Available versions

- White and chromed plated
- Other colours on request
- Thermostats with plug or without plug
- Thermostats or simple on/off

## Material and dimensions

### Collector

Collector Ø 32 mm

### Round Tubes

Tubes 10x60 Flat

- Fully range is CE certificated, tested according to EN 60335-2-30 and 43
- Class II, IP44, IK09, 230V, 50Hz
  - ECODESIGN

## High variety

### Width

500 / 600

### Height

874 / 1024 / 1274 / 1674

### Outputs

150 to 750 Watt



# Installation Example

1. This radiator can only be installed on a closed circuit hot water system. Please make use the intended system is a closed circuit.
2. In case the system to which the radiator is being installed on is being filled for the first time, please make sure there is no contaminant in the system.
3. Carefully open the cardboard box.
4. Especially take care to avoid damaging coating (paint/chrome) of the radiator during installation.
5. The nylon plugs on the radiator should only be removed immediately before connecting the radiator to the system.
6. Remove the hanger box (installation parts) from the nylon bag. First, assemble your Towel Radiator according to rack dimensions and the assembly instructions on the box.
7. Install the Towel Radiator minimum 15 cm. above the floor.
8. Before installing the radiator in place install the purge valve used.
9. Please refer to technical operators for information on radiator fixtures. Hot water input and output should be routed through the valves at the bottom of the radiator.
10. Never install the Towel Radiator on surfaces with low resistance like plasterboard.
11. The distance (proximity) of the radiator to the shower, lavatory and toilet fixtures and the amount of moisture/water it is exposed to may affect and accelerate corrosion of the product. Therefore, avoid installing the product in volumes where water may spray on the product. The radiator may be installed in volumes 2 and 3 shown in the image below.

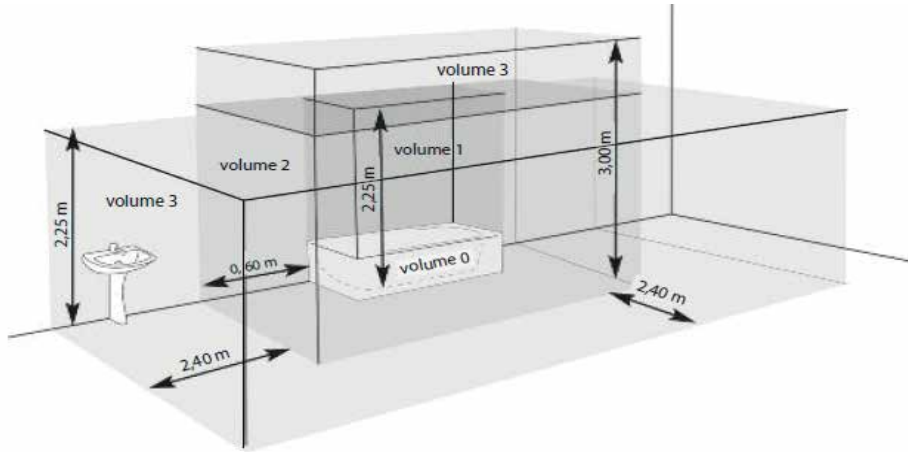


Image-1

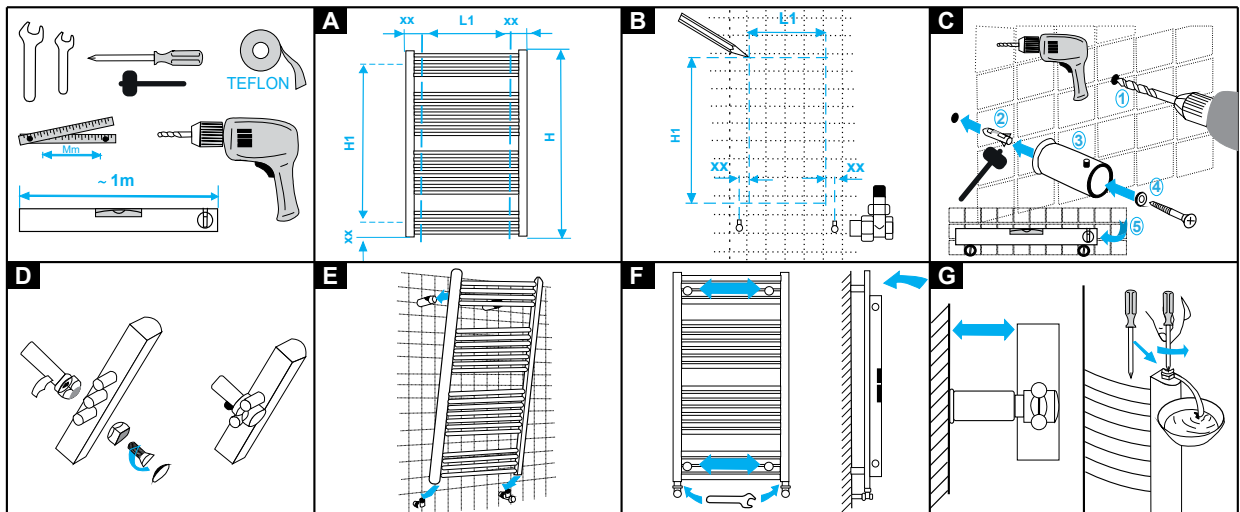
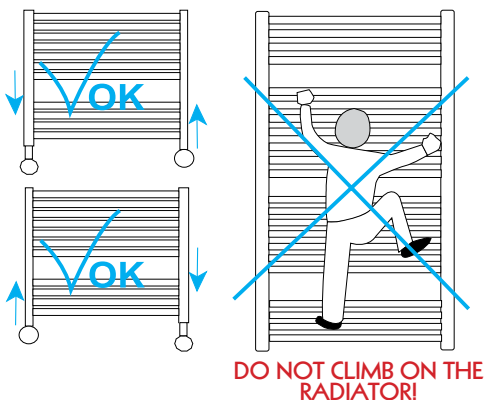


Image-2







## IMPORTANT POINTS AND WARRANTY CONDITIONS

### ◆ STORAGE and HANDLING INSTRUCTIONS

1. Must be kept in a dry space away from direct sunlight.
2. Must be protected against water, moisture and damp.
3. Must not be stored in any space containing oil vapor or chemical vapor.
4. Must not be stacked horizontally. The boxes should be carefully stacked against the risk of suffering damage in the box.
5. Maximum stacking amount on pallet is 35 boxes.
6. Product weights range between min 3 kg for hydronic and max 30 kg for electric.
7. The radiator must be protected against impacts and collisions during storage, handling and installation.
8. Wall installation accessories are provided in the box with your Towel Radiator.

### ◆ USE and MAINTENANCE CONDITIONS

1. Have your device installed by an authorized fitter.
2. Please follow the installation instructions on the box to ensure efficient operation of your radiator.
3. If you are trying the system for the first time please ensure there is no slag, dirt, etc. which might prevent water circulation in the system. Please remove all contaminants before installation to prevent such materials from blocking the radiator and the system and preventing water circulation.
4. Operating pressure for Sanpan Towel Radiators is maximum 10 bars, and their maximum operation temperature is 120°C. Please do not operate your radiator at pressures and temperatures above these limits.
5. Radiators are made to run on a closed circuit hot water system. Radiators should not be used in hot/thermal spring water, boiling steam, or waters with acidic or corrosive effects, etc.
6. Do not expose your radiators to temperatures that might cause the water to freeze.
7. If the system must be purged after commissioning, close the input and output valves of the radiator to prevent the water in the radiator from being discharged. Each replacement of closed circuit water of your system will decrease the useful life of your radiator. Therefore try to decrease the frequency of system water purges and ensure your radiator is not left empty of water when you purge system water.
8. If any air remains in your radiator this will prevent these areas from functioning properly and prevent your radiator from fully heating, decreasing heat capacity of your radiator. Please discharge air in the radiator by the purge valve to ensure full hot water circulation in the radiator. Loosen the purge valve using the purge key and discharge the air in the radiator using a cloth and a container. When uninterrupted water discharge from the purge aperture is achieved, close the purge valve with the purge key.
9. Do not discharge the water in the radiator. When the radiator will not be used for a long period of time, or even in the case of maintenance, close the input and output valves to ensure the water in the radiator is not discharged. Otherwise corrosion may occur inside the radiator and cause damage.
10. In case the product is installed in a damp environment please ensure good ventilation. If the product is used in a badly ventilated space for 1 year or more it will be excluded from the warranty.
11. Protect the product against direct exposure to chemicals or chemical vapors.

### ◆ CLEANING

1. Use only warm water and a soft cloth to clean your radiator.
2. Do not use hard surfaced materials like dish wool, Scotch Brite, etc. when cleaning your radiator.

3. Do not use hard chemicals, cleaning solutions, stain removers or strong detergents when cleaning your radiator.
4. Protect the product against direct exposure to chemicals or chemical vapors.

### ◆ WASTE and RECYCLING INSTRUCTIONS

1. Recycle or dispose of the materials which become waste open unboxing of the product according to the instructions below.
  - Ensure that the stretch film on the product box, the inner wrap and the plugs placed on sharp edges are collected and recycled separately as plastic waste.
  - The identification label, barcode label and similar materials stuck onto the product box are not recyclable as paper/cardboard waste. Therefore, when disposing the box please remove the labels stuck on the box, separately gather this type of wastes and ensure their disposal under waste code 150202.
  - After removal of the product, separately gather the remaining cardboard box, instruction manual provided with the product, cardboard boxes of installation sets, information documentation, etc. paper/cardboard packaging and ensure their disposal as paper/cardboard waste.
  - In case you have purchased the products in bulk on pallet, ensure recycling of empty wooden pallets left after installation of product or unloading of pallet as waste wood.
2. When the chrome or paint coated products or installation sets and blind/purge plugs on the product reach the end of their useful life or become dysfunctional, recycle these items as instructed below.
  - Separately gather chrome or pain coated products, installation sets including metal parts blind/purge plugs made of metal and other metal accessories (screws, Allen bits, etc.) as metal wastes and ensure recycling of these.
  - Separately gather plastic containing chrome or white installation sets as plastic wastes and ensure recycling of these.

### ◆ SAFETY INSTRUCTIONS

#### WARNING!

1. Do not stand on the product, do not climb the product and do not allow children to climb the product.
2. Hot surface! Temperatures of 70°C and above can cause burns.
3. Be careful during air purging. Hot water will be discharged together with air. Use a cloth and a container to collect this water. Hot water at temperatures of 70°C and above can cause burns.

### ◆ WARRANTY SCOPE and CONDITIONS

1. The entire product, including all parts, is under warranty. For the radiator it is 5 years after production date and for electronic parts it is 2 years after production date. In case the product malfunction during the warranty period, it will be replaced free of charge.
2. Malfunctions arising due to use of the product in violation of instructions in the user manual will be excluded from the warranty.
3. Products used with hard water are excluded from the warranty. Water hardness should be at maximum 15 British hardness levels. Product damages under use with waters harder than this limit are excluded from the warranty.
4. If the product is used in a badly ventilated space for 1 year or more it will be excluded from the warranty.

