

# TA-COMFORT-R



## **Prefabricated units**

Heating interface unit for radiator heating and hot water services

# TA-COMFORT-R

Full-operational design with STAP differential pressure controller over heating supply side. Supported by the combined  $\Delta p$  controller, balancing and control valve TA-COMPACT-DP for measurement and balancing of the heating circuit. Return flow limitation and temperature maintaining bypass with HEIMEIER RTL valves. Return flow limitation and temperature maintaining bypass with HEIMEIER RTL valves.

## Key features

### > Complete systems for decentralised heat distribution and hot water

Provides the dwelling with heat, controlling the heat requirements and/or producing hot water via the heat exchanger.

### > Considerable savings in installation costs

Central risers and decentralised distribution. Domestic hot water flow and return pipes are no longer required.

### > Lower maintenance costs

No additional costs for consumption settlement, each unit is recorded separately.

### > One substation for all application scenarios

Through the modular design of the substation it offers an easy adaption to different application. By the aid of accessories it can be converted to fit in different application scenarios like the need for hot water circulation, a hot water temperature limitation or scalding protection.



## Technical description

### Applications:

Supply of hot as well as cold water and heating to apartments in multiple-dwelling buildings with decentralized consumption accounting.

### Dimensions:

Draw-off volume 17 l/min (-RLC version 15 l/min) when heating hot water.  
*Normal conditions with:*  
 Heating supply pipe: 65°C (-RLC version 55°C).  
 Cold water inlet: 10°C  
 Hot water outlet: 50°C  
 Cold water pressure: min. 3 bar  
 Heat output: 10 kW at  $\Delta T$  20K

### Pressure class:

PN 10

### Temperature:

Max. working temperature: 90°C

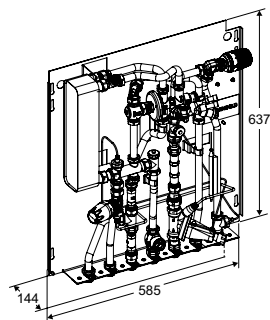
### Material:

Heat exchanger: Copper soldered stainless steel AISI 316  
 PM regulator: DZR brass  
 STAP: AMETAL®  
 TA-COMPACT-DP: AMETAL®  
 Piping material: Stainless steel AISI 316L.  
 Capillary pipes: Copper  
 Cabinets: Powder-coated sheet steel

### General:

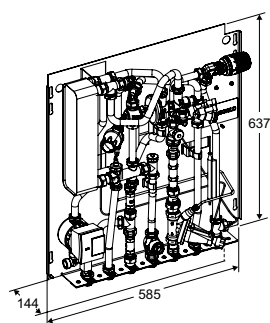
More information on STAP, TA-COMPACT-DP and RTL – see separate technical leaflets.

## Articles



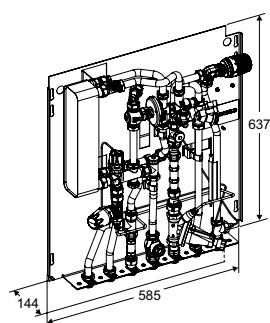
### TA-COMFORT-R for radiator and drinking hot water purpose

Max. output service water Q [kW]	Draw-off volume (10/50°C) [l/min]	Heat exchanger	Max. pressure loss without heat meter [kPa]	EAN	Article No
46	17	E8LASHx42/1P	40	5902276834790	344030-20012



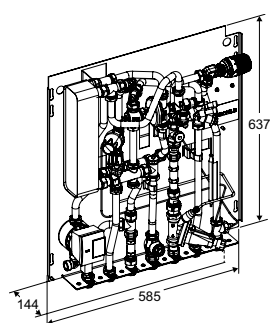
### TA-COMFORT-R for radiator and drinking hot water purpose with hot water circulation

Max. output service water Q [kW]	Draw-off volume (10/50°C) [l/min]	Heat exchanger	Max. pressure loss without heat meter [kPa]	EAN	Article No
46	17	E8LASHx42/1P	40	5902276834806	344030-20014



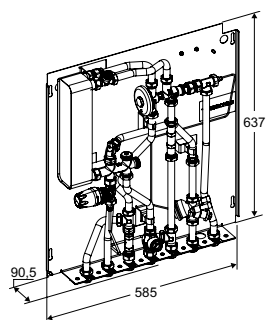
### TA-COMFORT-R for radiator and drinking hot water purpose with thermostatic mixing valve (TMV)

Max. output service water Q [kW]	Draw-off volume (10/50°C) [l/min]	Heat exchanger	Max. pressure loss without heat meter [kPa]	EAN	Article No
46	17	E8LASHx42/1P	40	5902276834820	344030-20018



### TA-COMFORT-R for radiator and drinking hot water purpose with thermostatic mixing valve (TMV) with hot water circulation

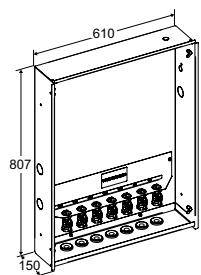
Max. output service water Q [kW]	Draw-off volume (10/50°C) [l/min]	Heat exchanger	Max. pressure loss without heat meter [kPa]	EAN	Article No
46	17	E8LASHx42/1P	40	5902276834844	344030-20022



### TA-COMFORT-RLC Heat Pump for radiator and drinking water purpose

Max. output service water Q [kW]	Draw-off volume (10/50°C) [l/min]	Heat exchanger	Max. pressure loss without heat meter [kPa]	EAN	Article No
40	15	E8LASHx42/1P	45	5902276898549	326010-20068

## Accessories

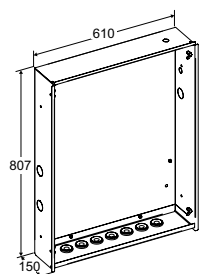


### Flush mounted cabinet with cover, drip tray with mounting bracket and 7 ball valves

Ball valves for tap water connection;  
3 x male G3/4 for tap water, flat sealing.  
4 x female Rp3/4 for heating part, 7  
gaskets.  
Frame size 662x850 mm  
White RAL 9016

T	EAN	Article No
150-240	5902276834929	344030-40024

T = Depth of the complete cabinet

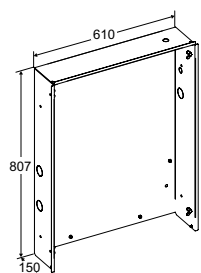


### Flush mounted cabinet with cover, drip tray

Frame size 662x850 mm  
White RAL 9016

T	EAN	Article No
150-240	5902276835025	344030-40034

T = Depth of the complete cabinet

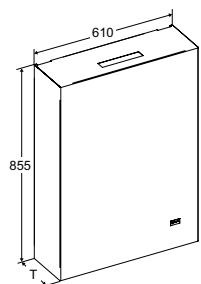


### Flush mounted cabinet with cover

Frame size 662x850 mm  
White RAL 9016

T	EAN	Article No
150-240	5902276834998	344030-40031

T = Depth of the complete cabinet

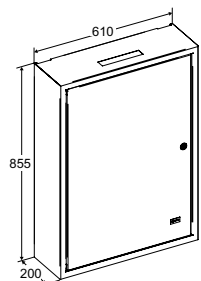


### Wall mounted cabinet

White RAL 9016

T	EAN	Article No
200	5902276834912	344030-40023
260	5902276834981	344030-40030

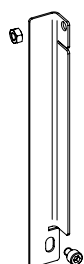
T = Depth of the complete cabinet



### Wall mounted cabinet with door

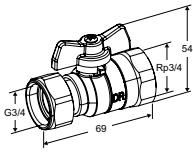
White RAL 9016

EAN	Article No
5902276834974	344030-40029



### Cover safe for wall mounted cabinets

EAN	Article No
5902276835117	344030-40061

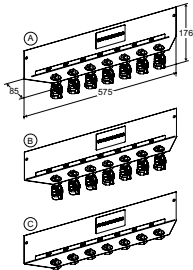


### Ball valves

Straight: With swivelling nut and flat sealing for the station side.

Angle: With cylindric external thread and flat sealing for the station side.

Type			EAN	Article No
Straight	Male	G3/4	5902276835056	344030-40054
Straight	Female	Rp3/4	5902276835063	344030-40055
Angle	Male	R3/4	5902276835070	344030-40056



### Subbase with 7 ball valves

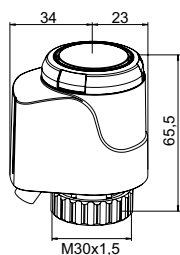
**A.** 7 x female Rp3/4

**B.** 3 x male G3/4 and 4 x female Rp3/4

**C.** Subbase without ball valves (plugged)

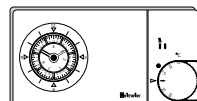
		EAN	Article No
<b>A</b>	7 x Rp3/4	5902276834967	344030-40028
<b>B</b>	3 x G3/4 + 4 x Rp3/4	5902276896439	344030-40046
<b>C</b>	7 x plugs	5902276896170	344030-40047

## Actuators and room thermostats



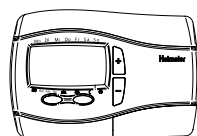
**EMO T actuator**  
230 V

Type	Cable length	EAN	Article No
<b>EMO T, NO</b> (Normally open)	0.8 m	4024052836611	1837-00.500
<b>EMO T, NC</b> (Normally closed)	0.8 m	4024052835416	1833-00.500



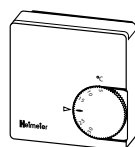
**Thermostat P, with analog timer**

Model	EAN	Article No
230 V	4024052405718	1932-00.500



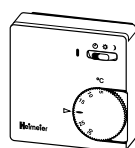
**Thermostat P, with digital timer**

Model	EAN	Article No
230 V	4024052763610	1932-01.500



**Room thermostat**

Model	EAN	Article No
<b>230 V</b>		
Without temperature set-back	4024052405916	1936-00.500
With temperature set-back	4024052406111	1938-00.500



### Distance plate

For installing the room thermostat onto UP boxes. White RAL 9010.  
83 mm x 83 mm x 8 mm (W x H x D).

EAN	Article No
4024052408719	1936-00.433