

Climate
Control

IMI TA

TA-COMFORT-S



Prefabricated units

Heating interface unit for surface heating and hot water services

TA-COMFORT-S

All in one design with differential pressure regulator STAP on primary side, as well as control valve with IMI Heimeier thermostatic head, compact control valve TBV-C for measuring and regulating of the injection quantity. Thermostatic temperature control of the surface heating circuit. Return limitation and warming bypass with IMI 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 (-SLC version 15 l/min) when heating hot water.
Normal conditions with:
Heating supply pipe: 65°C (-SLC version 55°C).
Cold water inlet: 10°C
Hot water outlet: 50°C
Cold water pressure: min. 3 bar
Heat output: 10 kW at ΔT 20K

Pressure class:

PN 10

Temperature:

Max. working temperature: 90°C

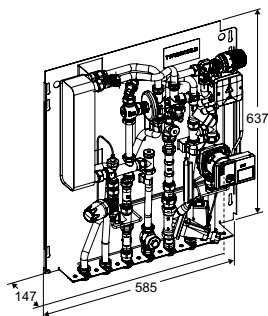
Material:

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

General:

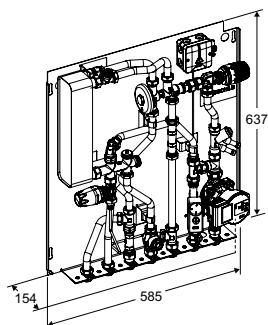
More information on STAP, TBV-C and RTL, actuators and room thermostats – see separate technical leaflets.

Articles



TA-COMFORT-S for floor heating and drinking hot water purpose

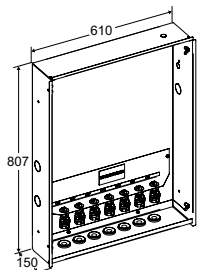
| Max. output service water Q [kW] | Draw-off volume (10/50°C) [l/min] | Heat exchanger | Max. pressure loss without heat meter [kPa] | EAN | Article No |
|----------------------------------|-----------------------------------|----------------|---|---------------|--------------|
| 46 | 17 | E8LASHx42/1P | 40 | 5902276834851 | 344030-30011 |



TA-COMFORT-SLC Heat Pump for floor heating 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 |
|----------------------------------|-----------------------------------|----------------|---|---------------|--------------|
| 40 | 15 | E8LASHx42/1P | 45 | 5902276898594 | 326010-30084 |

Accessories



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

Ball valves for tap water connection;
3 x external G3/4 for tap water, flat sealing.

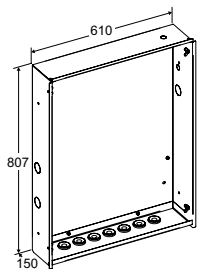
4 x internal Rp3/4 for heating part,
7 gaskets.

Frame size 662x850 mm

White RAL 9016

| T | EAN | Article No |
|---------|---------------|--------------|
| 150-240 | 5902276834929 | 344030-40024 |

T = Depth of the complete cabinet



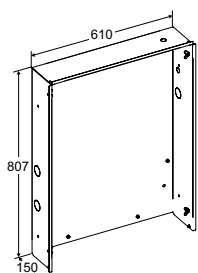
Flush mounted cabinet with cover, drip tray

Frame size 662x850 mm

White RAL 9016

| T | EAN | Article No |
|---------|---------------|--------------|
| 150-240 | 5902276835025 | 344030-40034 |

T = Depth of the complete cabinet



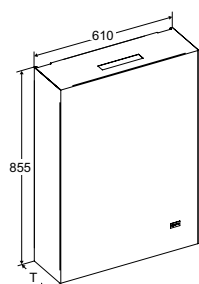
Flush mounted cabinet with cover

Frame size 662x850 mm

White RAL 9016

| T | EAN | Article No |
|---------|---------------|--------------|
| 150-240 | 5902276834998 | 344030-40031 |

T = Depth of the complete cabinet

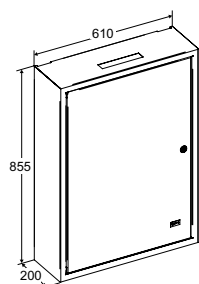


Wall mounted cabinet

White RAL 9016

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

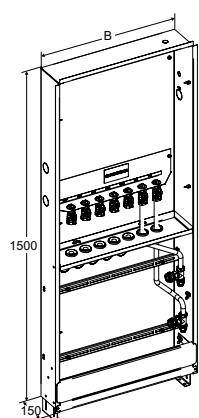
T = Depth of the complete cabinet



Wall mounted cabinet with door

White RAL 9016

| EAN | Article No |
|---------------|--------------|
| 5902276834974 | 344030-40029 |



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

Support rails for floor heating distributors.

Drip tray with pipe connections.

Ball valves for tap water connection;

3 x external G3/4 for tap water, flat

sealing.

2 x internal Rp3/4 for heating part,

7 gaskets.

2 x external G3/4 with connection pipe

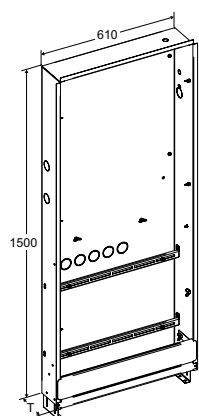
set to the Dynacon distributor.

Frame size 664x1383 mm

White RAL 9016

| B | T | Max. outlets | EAN | Article No |
|-----|---------|-----------------|---------------|--------------|
| 610 | 150-240 | 8 | 5902276835018 | 344030-40033 |
| 810 | 150-240 | 12 | 5901688829035 | 344030-40038 |

T = Depth of the complete cabinet



Flush mounted cabinet with cover

Support rails for floor heating distributors

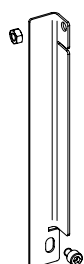
With connection pipe set to the Dynacon distributor.

Frame size 664x1383 mm

White RAL 9016

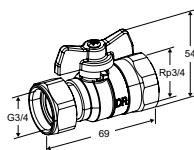
| T | Max. outlets | EAN | Article No |
|-----------------------|-----------------|---------------|--------------|
| With drip tray | | | |
| 150-240 | 8 | 5902276896422 | 344030-40037 |

T = Depth of the complete cabinet



Cover safe for wall mounted cabinets

| EAN | Article No |
|---------------|--------------|
| 5902276835117 | 344030-40061 |

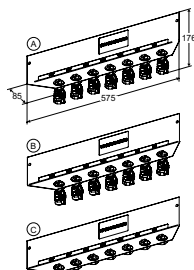


Ball valves

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 |



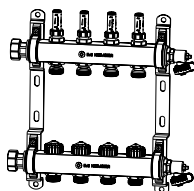
Subbase with 7 ball valves

A. 7 x internal Rp3/4

B. 3 x external G3/4 and 4 x internal Rp3/4

C. Subbase without ball valves (plugged)

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



Dynacon 150 underfloor heating circuit manifold

| Heating circuits | EAN | Article No |
|------------------|---------------|-------------|
| 2 | 4024052053223 | 9346-02.800 |
| 3 | 4024052053322 | 9346-03.800 |
| 4 | 4024052053421 | 9346-04.800 |
| 5 | 4024052053520 | 9346-05.800 |
| 6 | 4024052053629 | 9346-06.800 |
| 7 | 4024052053728 | 9346-07.800 |
| 8 | 4024052053827 | 9346-08.800 |
| 9 | 4024052053926 | 9346-09.800 |
| 10 | 4024052054022 | 9346-10.800 |
| 11 | 4024052054121 | 9346-11.800 |
| 12 | 4024052054220 | 9346-12.800 |



Distributor strip

This unit is used for wiring thermostats and electro-thermal actuators. The unit is suitable for underfloor heating and cooling (summer/winter operation). It is possible to switch over between heating and cooling via an external signal. The pump logic enables energy-optimised pump control. For up to 6 zones (rooms). Ready to plug in to a 230 V power socket.

| EAN | Article No |
|---------------|-------------|
| 4024052891115 | 1612-00.000 |

