

TACOTHERM DUAL PIKO

HEAT INTERFACE UNIT



Preconfigured heat interface unit with compact installation depth for preparation of potable hot water and apartment heating.

DESCRIPTION

The heat interface unit in the Piko series suits practically any installation situation thanks to its compact installation depth and versatile constructions. The stations are available as individual fresh hot water modules or heating modules as well as combination stations.

Various selectable hydraulic components ensure on-demand preparation of potable hot water, distribution of heat energy as well as calculation of energy costs.

INSTALLATION

The heat interface units can be installed as a compact station or in a split design. For ease of transport, the compact version can be dismantled conveniently into two parts and reassembled using the available plug connection. Ideally the station should be placed next to the outlets for the apartments. The individual modules can be assembled horizontally as well as installed at separate locations in the split design.

ADVANTAGES

- Compact installation depth
- Large number of variants
- Preconfigured for simple installation
- On-demand, hygienic, decentralised DHW heating
- Reduction of stored DHW volume to a minimum
- Demand-driven calculation of energy costs

OPERATION

The heat interface units in the Piko series are designed for preparation of potable hot water and distribution of heat energy in multistory residential buildings.

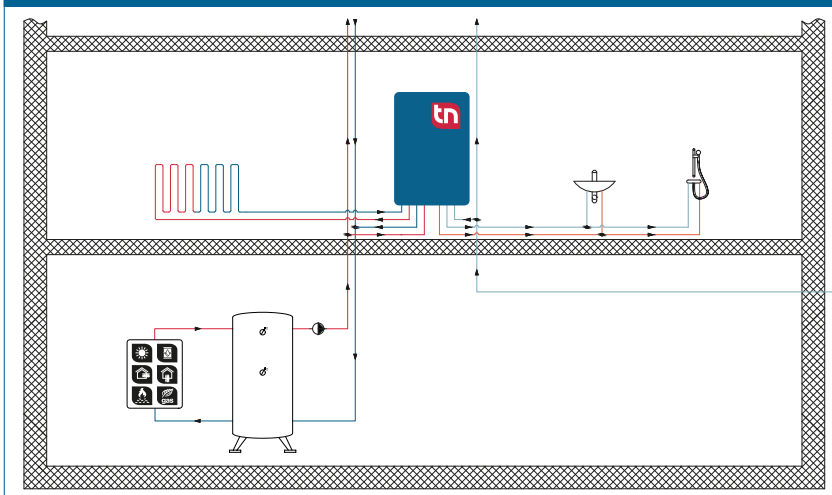
Primary energy is supplied via a central buffer cylinder; decentralised DHW heating takes place in the domestic hot water module as required, according to the instantaneous water heating principle.

In the case of combination stations, the heating surfaces in living areas are connected with the Underfloor heating circuit manifolds of the heating module or the radiator connections. The heating flow temperature in the living area is regulated on a fixed-value or weather-controlled basis. Adjusting pieces are provided in the modules for on-site installation of heat meters and cold water meters.

BUILDING CATEGORIES




- Apartment blocks
- Hotels and residential homes
- Industrial buildings

SYSTEM/BASIC DIAGRAM



TACOTHERM DUAL PIKO | OVERVIEW OF VARIANTS

KEY

	Available for this type
	Selectable components (either / or)
	Not available for this type

FRESH HOT WATER MODULE	Heat exchanger	Suitable for	Standard heat source							
			Operation with heat pumps							
		Materials	Copper-soldered							
			Nickel-soldered							
			Stainless steel-soldered							
	Control type	Type	Proportional flow							
			Electronic regulator							
		Balancing	Static (TacoSetter Inline)							
			Dynamic							
		Secondary	Mixer							
			Circulation							
		Comfort	Keep warm function							
	Connections	Heating / Radiator	Bottom							
			Top							
			Left							
			Right							
	Installation options	Installation methods	Base plate							
			Flush-mounted frame with door							
			Flush-mounted frame without door							
			Surface-mounted cabinet with door							
			Surface-mounted cabinet without door							
		Door accessories (optional)	Spagnolet lock							
			Locking cylinder							
HEATING MODULE	Regulation	Type	Fixed value							
			Weather-controlled							
		Balancing	Dynamic							
			Static							
	Underfloor heating circuit manifold	Number of heating circuits	2 - 10							
			2 - 12							
	Distributor accessories	Distributor valve with	TacoDrive actuator							
		Connector module for Actuators	NovaMaster							
	Primary pipe system	See next page for explanation	2-pipe							
			3-pipe							
			4-pipe							

NOTE

REQUIREMENTS FOR FLOW MEDIA

A copper-brazed stainless steel plate heat exchanger is used as standard for the proportional flow-controlled stations. It must be checked prior to use in the framework of system planning whether the issues of corrosion protection and scale formation have been sufficiently taken into account in accordance with DIN 1988200 and current potable water analyses according to DIN EN 8065.
See datasheet „Plate Heat Exchanger Requirements – Limit Values for Drinking Water Quality“.

SPECIFICATION TEXTSee www.taconova.com**GENERAL TECHNICAL DATA****General**

- Max. operating pressure $P_{0\max}$:
 - Primary: 3 bar
 - Secondary: 6 bar
- Overall dimensions of combination station: W 874 mm × H 1420 – 1510 mm × D 110 mm
- Weight of combination station (empty): 70 kg

Materials

- Galvanized or varnished sheet steel housing according to model
- Pipes: DN 20 stainless steel 1.4404
- Pumps: cast iron
- Valve housing: brass
- Seals: AFM34 (flat sealing)

Performance data

See design diagram

Electrical connection data

- Mains voltage: 230 VAC ± 10 %
- Mains frequency: 50...60 Hz
- Power consumption: max. 4 – 60 W
- Protection type: IP 30
- EEL ≤ 0,20 – Part 2

Flow media

- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)
- Cold water as per DIN 1988-200 and DIN EN 806-5

APPROVALS / CERTIFICATES

- Components in contact with potable water comply with UBA Evaluation Criteria 26/03/2018 and Directive (EU) 2015/1535

TECHNICAL DATA**FRESH HOT WATER MODULE****General**

- Max. operating temperature $T_{0\max}$: 95 °C
- Weight (empty): 35 kg
- Dimensions: W 874 mm × H 772 – 892 mm × D 110 mm

Material

- Plate heat exchanger (plates and connector pieces):
 - Stainless steel 1.4401
 - Copper-soldered / nickel-soldered

TECHNICAL DATA HEATING MODULE**General**

- Max. operating temperature $T_{0\max}$: 70 °C
- Weight (empty): 30 kg
- Dimensions: W 874 mm × H 772 – 892 mm × D 110 mm
- High-efficiency circulating pump: TacoFlow2 ADAPT Underfloor heating circuit manifold
- 3-way mixing valve (fixed value-controlled) or PICV valve with actuator (weather-controlled)

TYPE OVERVIEW

TacoTherm Dual Piko | Combination station with 10 heating circuits *1)

Order no.	Connections	Dispensing range *2)	Heat exchanger
276.2111.139	1" OT	up to 22 l/min (58.5 kW)	copper-soldered

TacoTherm Fresh Piko | Fresh hot water station

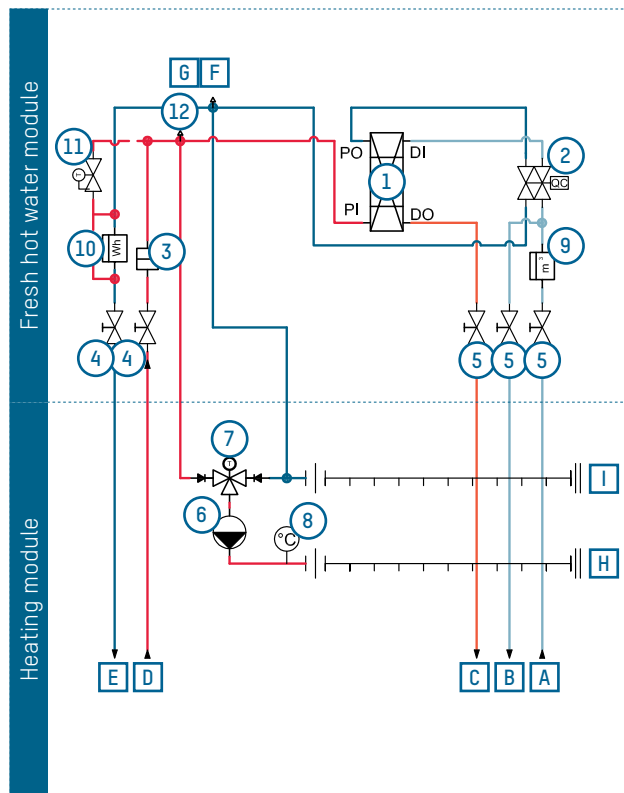
Order no.	Connections	Dispensing range *2)	Heat exchanger
276.2102.000	1" IT	up to 22 l/min (58.5 kW)	copper-soldered

* 1) Any matching accessories required and variants can be individually selected

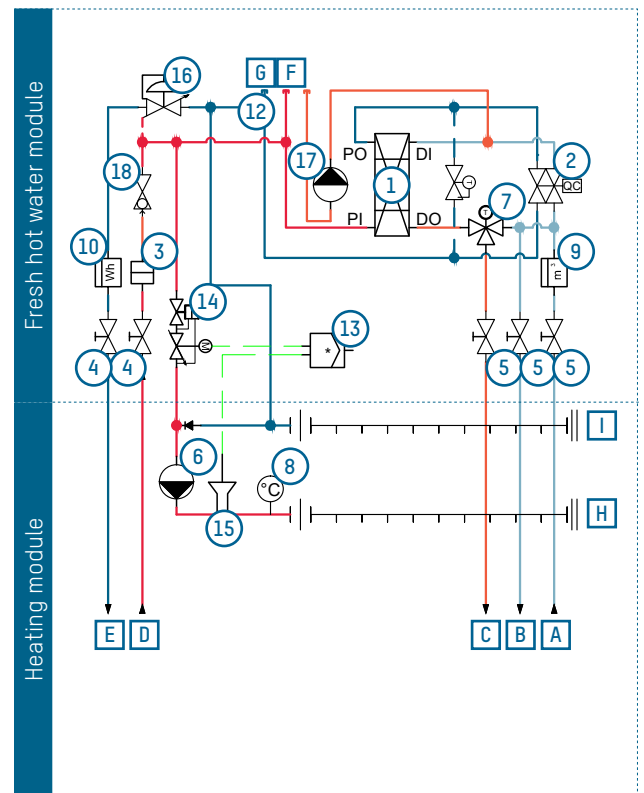
* 2) Performance data for primary = flow 70 °C / secondary = hot water 45 °C; $\Delta p \geq 300$ mbar

FLOW DIAGRAM

Heating control: Fixed value
 Static hydronic balancing
 Connection for 2-pipe system



Heating control: Weather-controlled
 Dynamic hydronic balancing
 Connection for 2-pipe system



Key

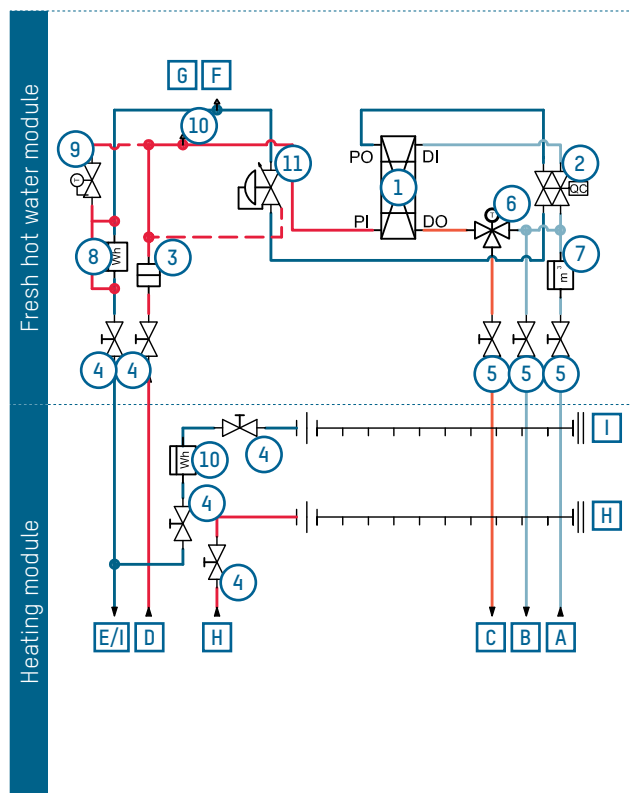
- 1 Plate heat exchanger
- 2 Proportional flow controller
- 3 Dirt trap with filter
- 4 Shut-off valve for heating
- 5 Shut-off valve with domestic hot water certification
- 6 Heating circuit pump
- 7 Fixed-value three-way mixer (NovaMix Value)
- 8 Thermometer 0 - 60 °C
- 9 Cold water meter adjusting piece
- 10 Heat meter adjusting piece
- 11 Connection of optional temperature storage module
- 12 Automatic air vent valve
- 13 Weather-controlled regulation
- 14 Dynamic balancing valve with drive motor
- 15 Flow sensor weather-controlled regulation
- 16 Optional differential pressure controller
- 17 Optional circulation
- 18 Optional static balancing valve

Connections

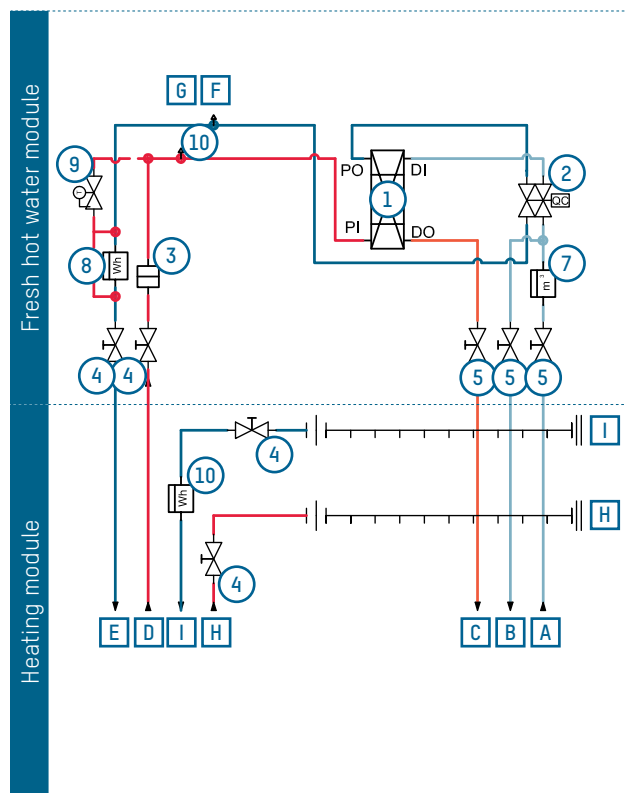
- A Connection for main supply line for cold water
- B Connection for cold water distribution
- C Connection for hot water distribution
- D Primary connection for heat supply on supply side
- E Primary connection for heat supply on return side
- F Radiator connection in supply circuit
- G Radiator connection in return circuit
- H Connection for underfloor heating on supply side
- I Connection for underfloor heating on return side

FLOW DIAGRAM

Heating control: Weather-controlled
Dynamic hydronic balancing
Connection for 3-pipe system



Heating control: Fixed value
Static hydronic balancing
Connection for 4-pipe system



Key

- 1 Plate heat exchanger
- 2 Proportional flow controller
- 3 Dirt trap with filter
- 4 Shut-off valve for heating
- 5 Shut-off valve with domestic hot water certification
- 6 Fixed-value three-way mixer (NovaMix Value)
- 7 Cold water meter adjusting piece
- 8 Heat meter adjusting piece
- 9 Connection of optional temperature storage module
- 10 Automatic air vent valve
- 11 Optional differential pressure controller

Connections

- A Connection for main supply line for cold water
- B Connection for cold water distribution
- C Connection for hot water distribution
- D Primary connection for heat supply on supply side
- E Primary connection for heat supply on return side
- F Radiator connection in supply circuit
- G Radiator connection in return circuit
- H Connection for underfloor heating on supply side
- I Connection for underfloor heating on return side

EXAMPLE OF INTERPRETING THE FLOW RATE AND PRESSURE LOSS DIAGRAMS

Given

- DHW draw-off rate: 22 l/min
- Heating flow temperature, primary: 70 °C
- Required draw-off temperature: 45 °C

Sought

- Heating water demand in l/h
- Primary and secondary pressure loss in mbar
- Draw-off temperature

- Heating return temperature, primary in °C

Solution

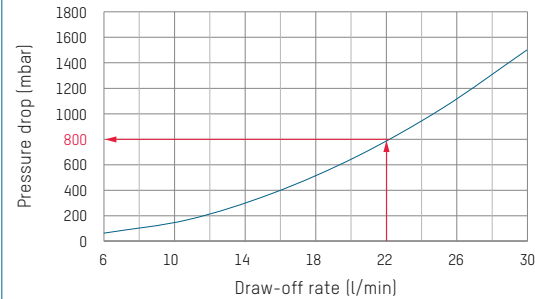
- On the basis of diagram A), a pressure loss of 800 mbar on the secondary side can be determined at the specified DHW draw-off rate of 22 l/min at the point of intersection.
- Diagram C) shows a heating water flow of 820 l/h is determined at

22 l/min with 45 °C DHW temperature and a primary flow temperature of 70 °C.

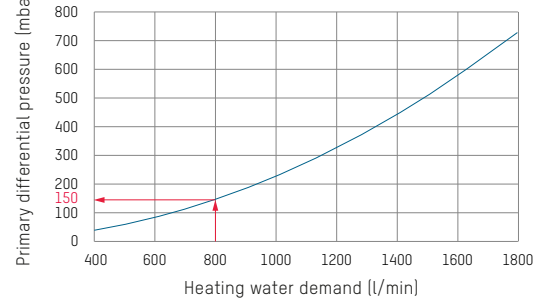
- In diagram D), a return temperature of 15 °C. is determined for the same values.
- Diagram B) shows a differential pressure on the primary side of 150 mbar for the a heating water demand of 800 l/h.

FLOW, TEMPERATURE AND PRESSURE LOSS DIAGRAMS (HI-FLOW VARIANT)

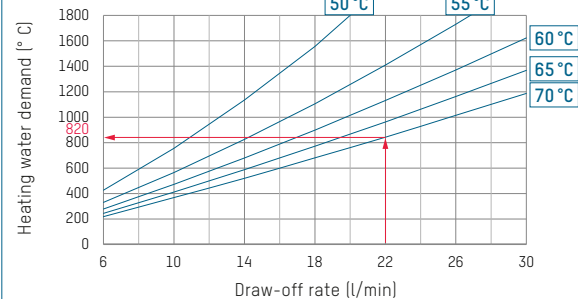
A) Secondary pressure drop



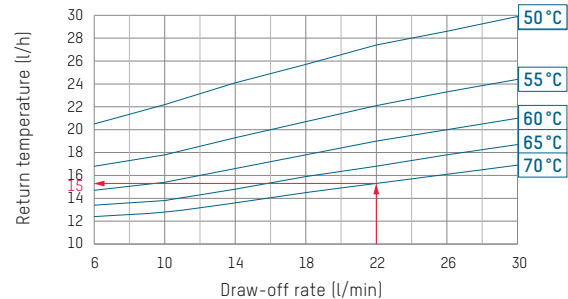
B) Heating water demand/primary differential pressure



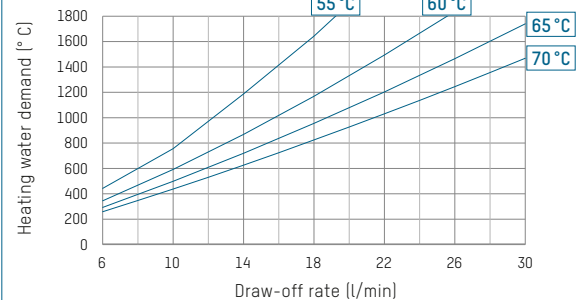
C) Heating water demand for heating DHW by 35 °C (10 – 45 °C)



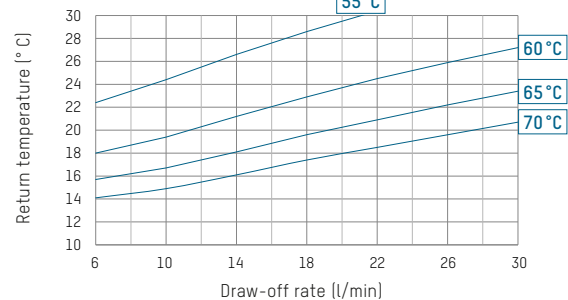
D) Return temperature with heating DHW by 35 °C (10 – 45 °C)



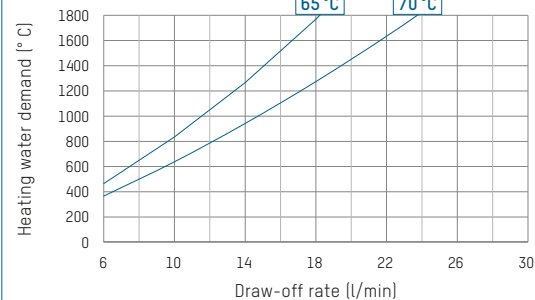
E) Heating water demand for heating DHW by 40 °C (10 – 50 °C)



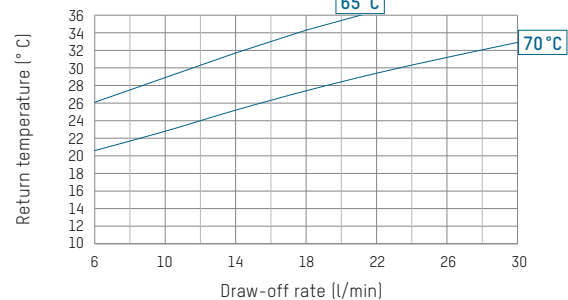
F) Return temperature with heating DHW by 40 °C (10 – 50 °C)



G) Heating water demand for heating DHW by 50 °C (10 – 60 °C)

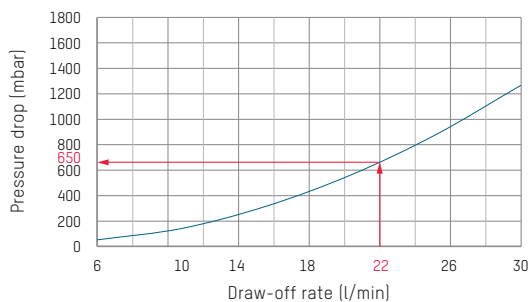


H) Return temperature with heating DHW by 50 °C (10 – 60 °C)

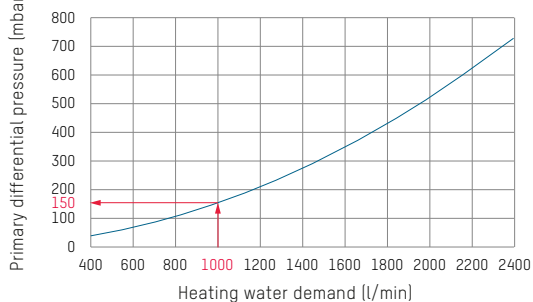


FLOW, TEMPERATURE AND PRESSURE LOSS DIAGRAMS (STANDARD VARIANT)

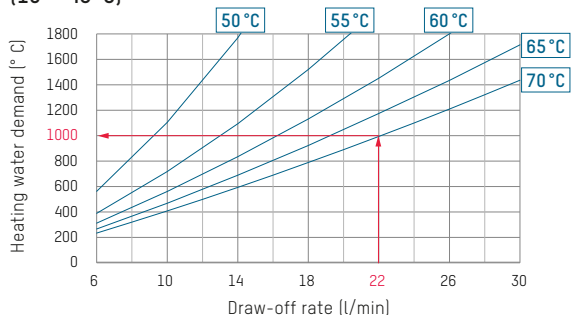
A) Secondary pressure drop



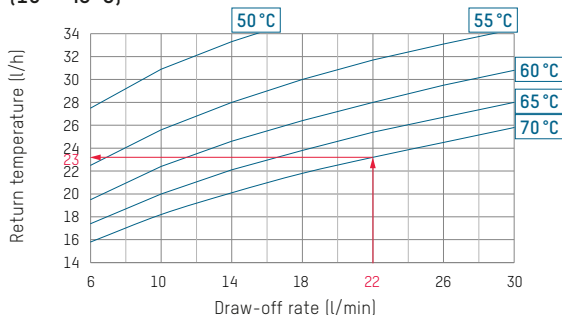
B) Heating water demand/primary differential pressure



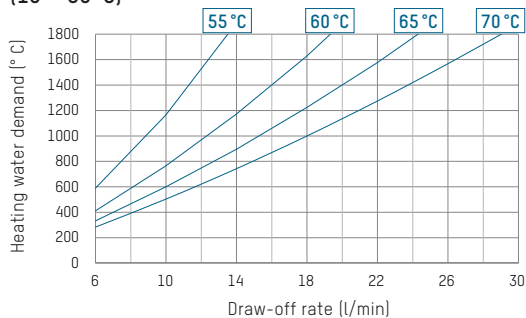
C) Heating water demand for heating DHW by 35 °C (10 – 45 °C)



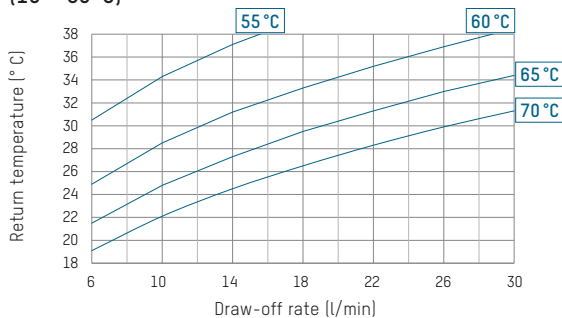
D) Return temperature with heating DHW by 35 °C (10 – 45 °C)



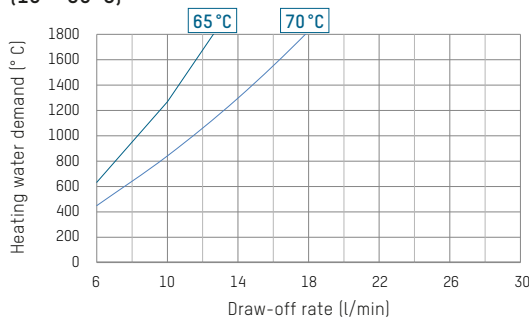
E) Heating water demand for heating DHW by 40 °C (10 – 50 °C)



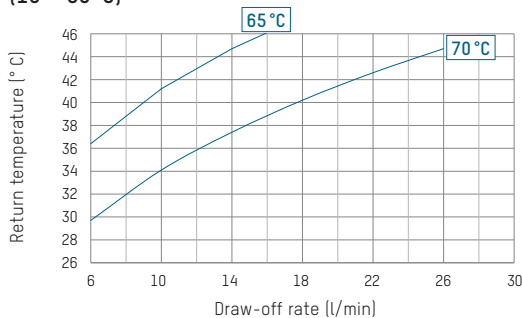
F) Return temperature with heating DHW by 40 °C (10 – 50 °C)



G) Heating water demand for heating DHW by 50 °C (10 – 60 °C)



H) Return temperature with heating DHW by 50 °C (10 – 60 °C)



SPECIFICATION TEXTSee www.taconova.com**GENERAL TECHNICAL DATA****General**

- Max. operating pressure $P_{0\max}$:
 - Primary: 3 bar
 - Secondary: 10 bar
- Overall dimensions of combination station: W 874 mm × H 1501 – 1591 mm × D 110 mm
- Weight of combination station (empty): 70 kg

Materials

- Galvanized or varnished sheet steel housing according to model
- Pipes: DN 20 stainless steel 1.4404
- Primary pump fresh hot water module: cast iron
- DHW circulation pump: brass
- Valve housing: brass
- Seals: AFM34 (flat sealing)

Performance data

See design diagram

Electrical connection data

- Mains voltage: 230 VAC ± 10 %
- Mains frequency: 50...60 Hz
- Power consumption fresh hot water module: max. 50 W
- Power consumption combination station incl. actuators: 120 – 140 W
- Protection type: IP 30
- EEI ≤ 0.20 – Part 2

Flow media

- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)
- Cold water as per DIN 1988-200 and DIN EN 806-5

APPROVALS / CERTIFICATES

- Components in contact with potable water comply with UBA Evaluation Criteria 26/03/2018 and Directive (EU) 2015/1535

TECHNICAL DATA**FRESH HOT WATER MODULE****General**

- Max. operating temperature $T_{0\max}$: 90 °C
- Weight (empty): 35 kg
- Dimensions: W 874 mm × H 965 – 1055 mm × D 110 mm
- Primary pump: TacoFlow 3 GenS 15-85/130
- DHW circulation pump: TacoFlow 2 Pure

Materials

- Plate heat exchanger (plates and connector pieces):
 - Stainless steel 1.4401
 - Stainless-steel-soldered

TYPE OVERVIEWTacoTherm Dual Piko Smart Connect | Combination station with 12 heating circuits ^{*1)}

Order no.	Connections	Dispensing range ^{*2)}	Heat exchanger
278.2311.140	ø 18x1	up to 25 l/min	Stainless-steel-soldered

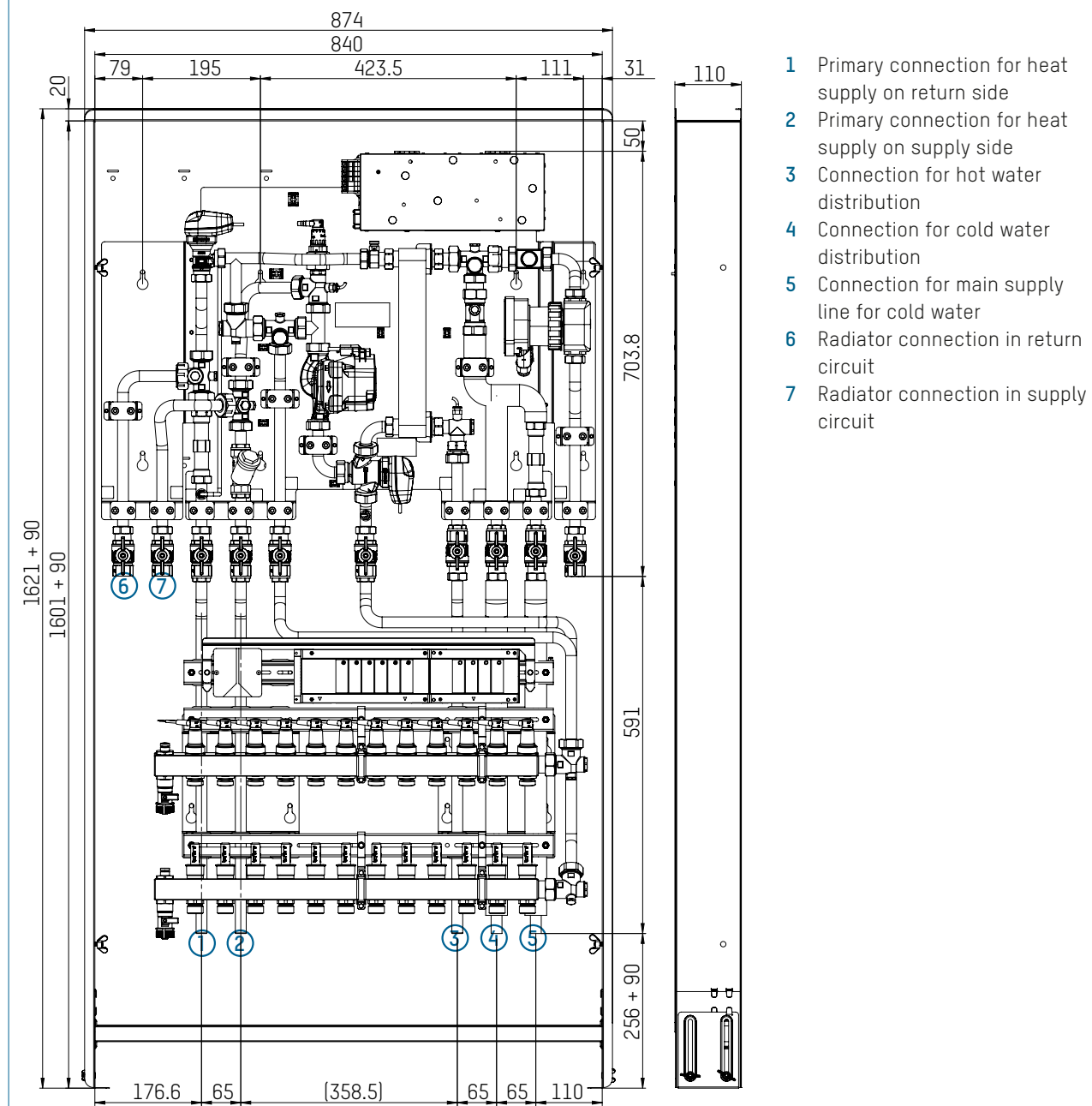
TacoTherm Fresh Piko Smart Connect | Fresh hot water station

Order no.	Connections	Dispensing range ^{*2)}	Heat exchanger
278.2300.000	¾" IT	up to 25 l/min	Stainless-steel-soldered

^{* 1)} Any matching accessories required and variants can be individually selected^{* 2)} Performance data for primary = flow 55 °C / secondary = hot water 45 °C**ACCESSORIES**

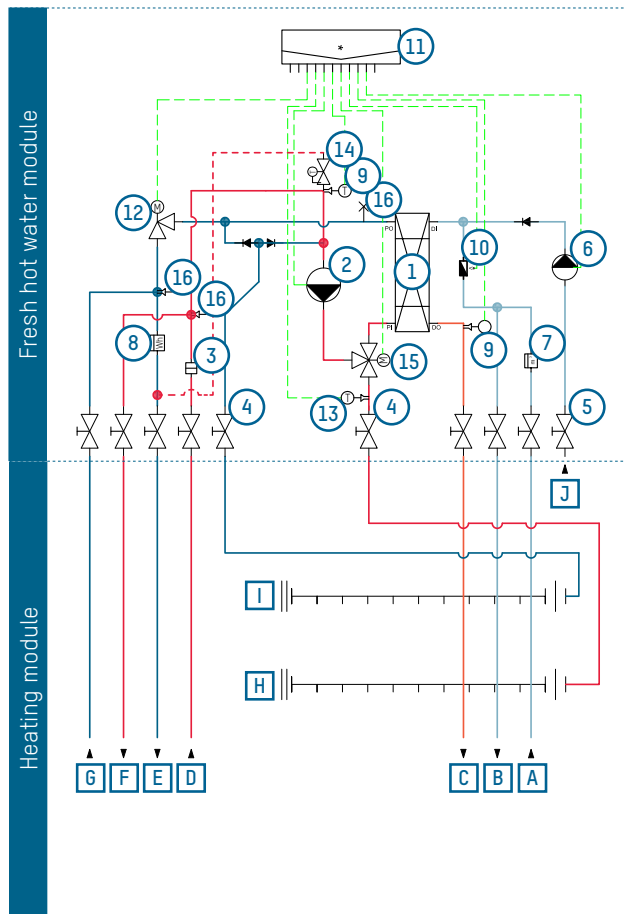
Order no.	Description
296.3011.000	Radiator connection kit (DN 20 Rp 1" × 18 mm)
296.7038.000	Insulation shell for additional insulation of the centralised heat interface unit
296.7014.000	Mobile operating panel (HMI) for commissioning one or more decentralised heat interface units (we recommend storing at least one panel in the plant room of the property)
296.7014.001	WiFi stick for alternative operation of the unit via PC or tablet
296.7045.001	Outdoor temperature sensor PT 1000

DIMENSIONAL DRAWING



FLOW DIAGRAM

Heating control: Fixed value and weather-controlled
Connection for 2-pipe system



Key

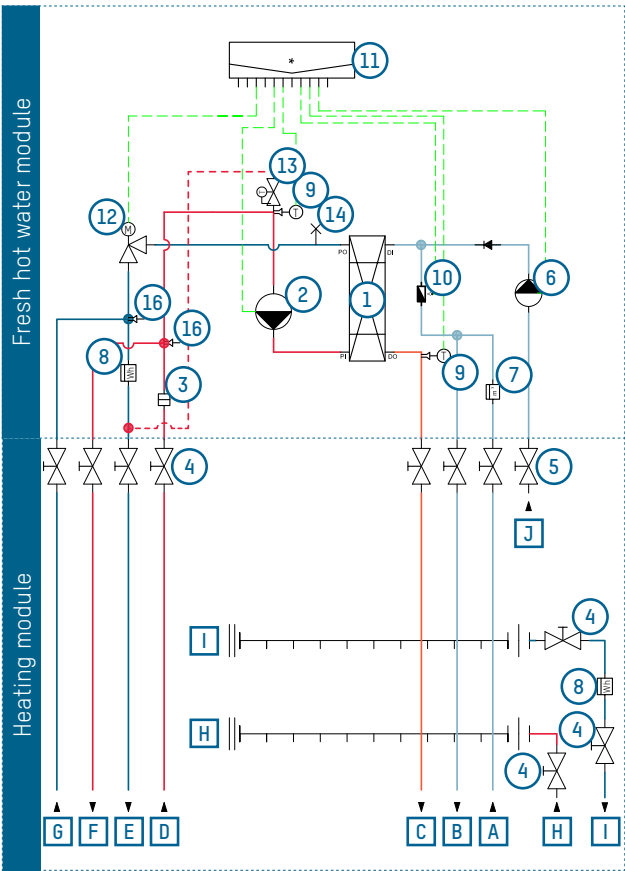
- 1 Plate heat exchanger
- 2 Primary pump for domestic hot water and heating module
- 3 Dirt trap with filter
- 4 Shut-off valve for heating
- 5 Shut-off valve with domestic hot water certification
- 6 Optional DHW circulation pump
- 7 Cold water meter adjusting piece
- 8 Heat meter adjusting piece
- 9 Pressure/temperature sensor
- 10 Vortex Flow Sensor
- 11 Heat interface unit controller
- 12 Drive with stepper motor
- 13 Flow sensor weather-controlled regulation
- 14 Warming module actuator
- 15 Heating/DHW heating diverter valve
- 16 Automatic air vent valve

Connections

- A Connection for main supply line for cold water
- B Connection for cold water distribution
- C Connection for hot water distribution
- D Primary connection for heat supply on supply side
- E Primary connection for heat supply on return side
- F Radiator connection in supply circuit
- G Radiator connection in return circuit
- H Connection for underfloor heating on supply side
- I Connection for underfloor heating on return side
- J Connection for DHW circulation

FLOW DIAGRAM

Heating control: Fixed value
Connection for 4-pipe system

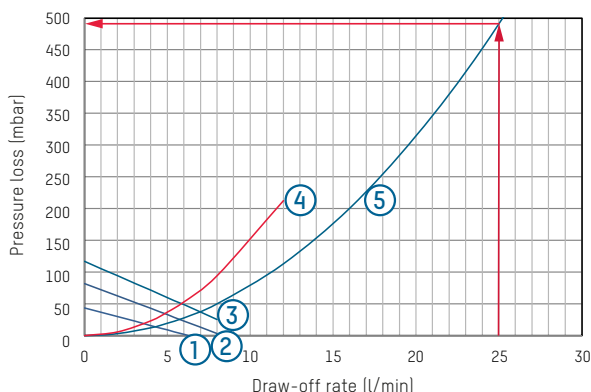


- Key**
- 1 Plate heat exchanger
 - 2 Primary pump for fresh hot water
 - 3 Dirt trap with filter
 - 4 Shut-off valve for heating
 - 5 Shut-off valve with domestic hot water certification
 - 6 Optional DHW circulation pump
 - 7 Cold water meter adjusting piece
 - 8 Heat meter adjusting piece
 - 9 Pressure/temperature sensor
 - 10 Vortex Flow Sensor
 - 11 Heat interface unit controller
 - 12 Drive with stepper motor

- Connections**
- A Connection for main supply line for cold water
 - B Connection for cold water distribution
 - C Connection for hot water distribution
 - D Primary connection for heat supply on supply side
 - E Primary connection for heat supply on return side
 - F Radiator connection in supply circuit
 - G Radiator connection in return circuit
 - H Connection for underfloor heating on supply side
 - I Connection for underfloor heating on return side
 - J Connection for drinking water circulation

FLOW AND PRESSURE LOSS DIAGRAMS COLD WATER HEATING BY 35 K (10 ... 45 °C)

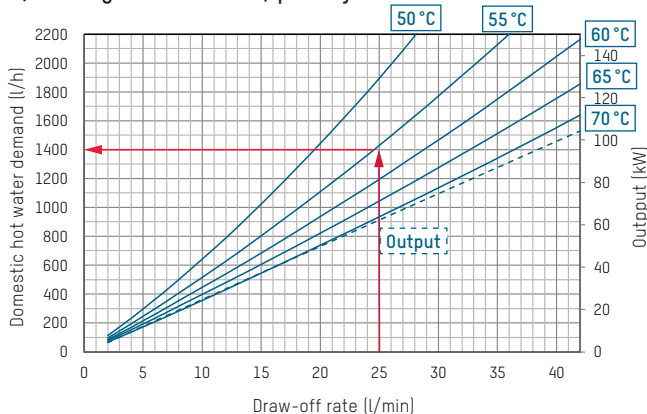
D) Secondary pressure loss



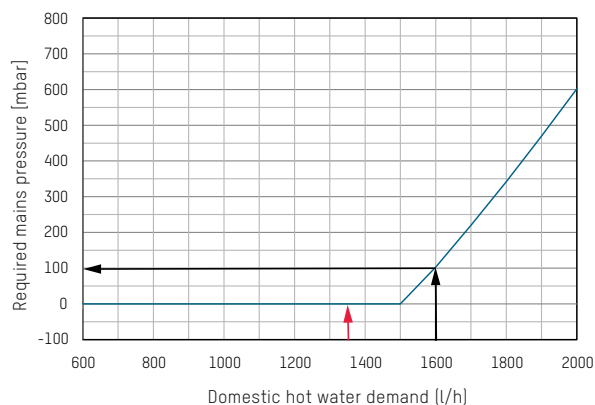
Key

- 1 DHW circulation pump stage 1
- 2 DHW circulation pump stage 2
- 3 DHW circulation pump stage 3
- 4 Circulation pressure drop
- 5 Secondary pressure drop

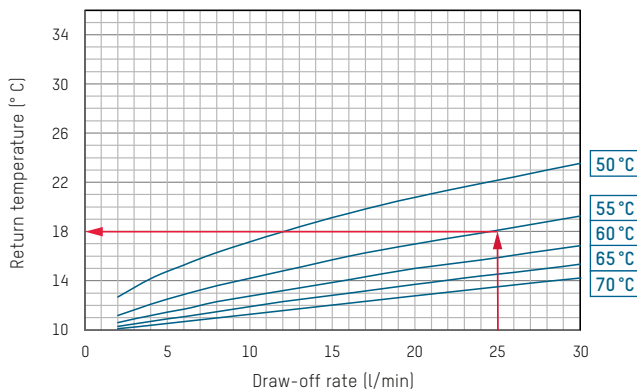
A) Heating water demand, primary



B) Pilot pressure required at the station depends on heating water demand



C) Return temperatures on primary side



EXAMPLE OF INTERPRETING THE FLOW RATE AND PRESSURE LOSS DIAGRAMS

Given

- Hot water dispensing volume: 25 l/min
- Primary heating flow temperature: 55°C
- Draw-off temperature: 45 °C
- Pilot pressure at station, primary: 300 mbar

Sought

- Domestic hot water demand in l/h
- Primary pressure loss in mbar
- Primary heating return temperature in °C
- Secondary pressure loss in mbar
- System output monitoring

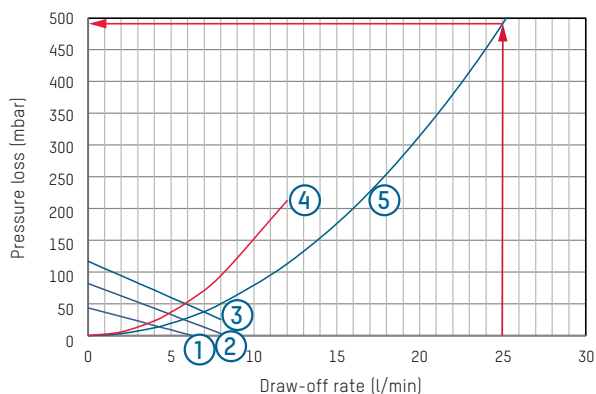
Approach

- From graph A), the heating water flow rate of 1420 l/min can be read off at the intersection of the given DHW draw-off rate and the existing primary flow temperature.
- On graph B), the pilot pressure required at the station can be calculated based on the determined hot water flow rate of 1400 l/h. Up to a heating water demand of 1500 l/h, the pressure drop of the station is not taken into account.

- In Diagram C) the primary return temperature for the given dispensing volume and the selected flow temperature of 55°C is then 18°C.
- In Diagram D) the secondary pressure loss for the given data is 480 mbar

FLOW AND PRESSURE LOSS DIAGRAMS COLD WATER HEATING BY 45 K (10 ... 55 °C)

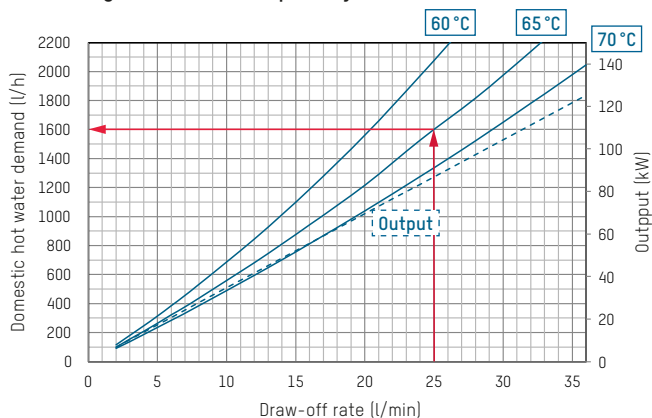
E) Secondary pressure loss



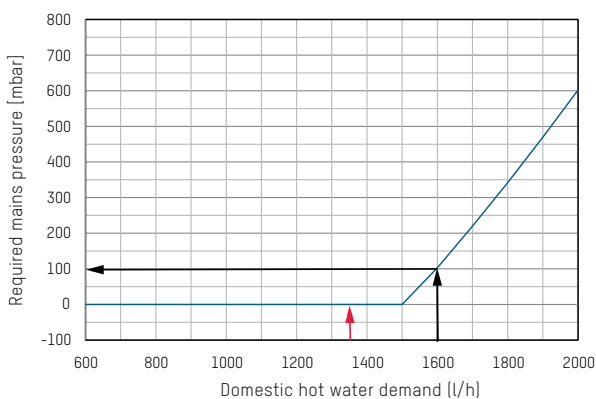
Key

- 1 DHW circulation pump stage 1
- 2 DHW circulation pump stage 2
- 3 DHW circulation pump stage 3
- 4 Circulation pressure drop
- 5 Secondary pressure drop

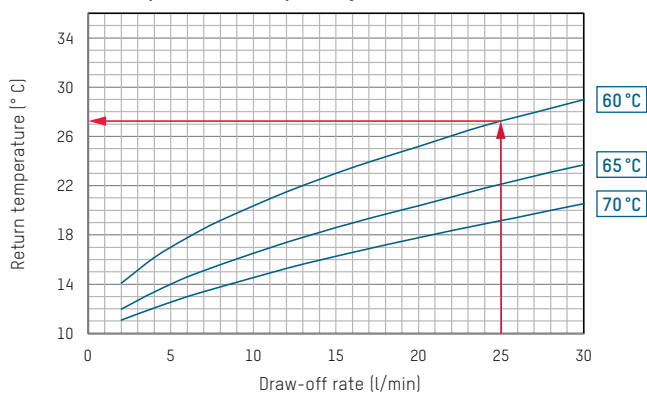
A) Heating water demand, primary



B) Pilot pressure required at the station depends on heating water demand



C) Return temperatures on primary side



SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Max. operating pressure $P_{0\ max}$: 3 bar
- Max. operating temperature $T_{0\ max}$: 70 °C
- Dimensions: W 874 mm × H 772 – 892 mm × D 110 mm
- Weight (empty): 30 kg

Materials

- Galvanized or varnished sheet steel housing according to model
- Pipes: DN 20 stainless steel 1.4404
- Pumps: cast iron
- Valve housing: brass
- Seals: AFM34 (flat sealing)

Performance data

See design diagram

Electrical connection data

- Mains voltage: 230 VAC ± 10 %
- Mains frequency: 50...60 Hz
- Power consumption: max. 4 – 60 W
- Protection type: IP 30
- EEL ≤ 0,20 – Part 2

Flow media

- Heating water
(VDI 2035; SWKI BT 102-01;
ÖNORM H 5195-1)
- Cold water as per DIN 1988-200 and
DIN EN 806-5

Fittings dependent on model

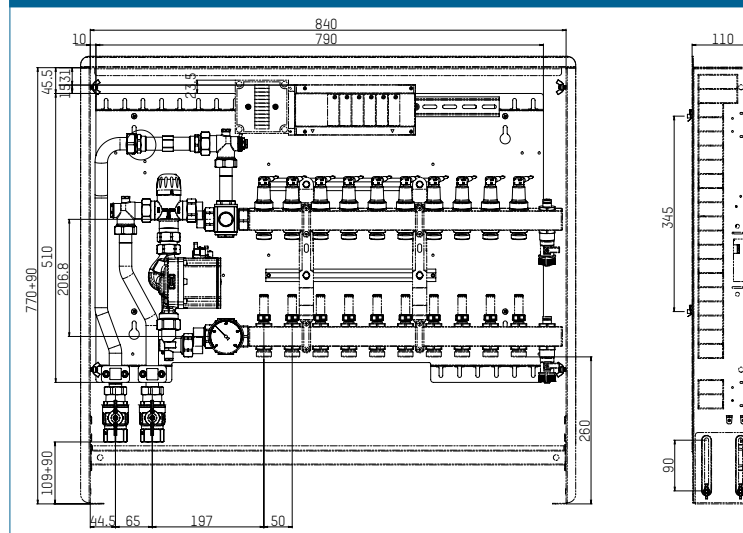
- High-efficiency circulating pump:
TacoFlow2 ADAPT
- 3-way mixing valve with fixed-value
control
- Underfloor heating circuit manifold
TacoSys Pro 2-12 heating circuits
- Electro-thermal actuators
- NovaMaster connector module
- Electronic controller with display
- PICV valve

TYPE OVERVIEW

TacoSys Piko | Heating module with 10 heating circuits

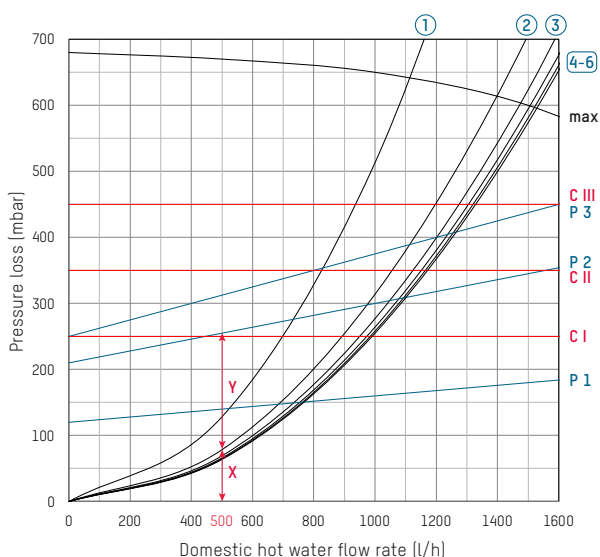
Order no.	DN	Rp	Heating circuit connections	Measuring range Supply TopMeter
276.0012.139	20	1" OT	¾" OT	0 – 5 l/min

DIMENSIONAL DRAWING



FLOW AND PRESSURE LOSS DIAGRAMS

For heating module with mixing station and fixed-value control and with open TopMeters and valves. Pump: TacoFlow2 ADAPT



Pump characteristic

CI – III

Constant pressure

PP 1–3

Proportional pressure

Heating circuits

1 2

2 4

3 6

4 8

5 10

6 12

X = Distributor pressure drop (example: 4 heating circuits at 500 l/h)

Y = Heating circuit pressure drop

Mixing station settings

- Calculate the required flow rate.
- Add the pressure drop (x) to the corresponding distributor curve and the required pressure drop of the heating circuits (y).
- Adjusting the pump using the pump graph
 - without zone control: constant pressure (CI-III) or proportional pressure (P1-3)
 - with zone control: proportional pressure (P1-3) or TacoAdapt

SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Max. operating pressure $P_{0\max}$: 3 bar
- Max. operating temperature $T_{0\max}$: 70 °C
- Dimensions: W 874 mm × H 772 – 892 mm × D 110 mm
- Weight (empty): 30 kg

Materials

- Galvanized or varnished sheet steel housing according to model
- Pipes: DN 20 stainless steel 1.4404
- Pumps: cast iron
- Valve housing: brass
- Seals: AFM34 (flat sealing)

Performance data

See design diagram

Electrical connection data

- Mains voltage: 230 VAC ± 10 %
- Mains frequency: 50...60 Hz
- Power consumption: max. 4 - 60 W
- Protection type: IP 30
- EEL ≤ 0,20 – Part 2

Flow media

- Heating water
(VDI 2035; SWKI BT 102-01;
ÖNORM H 5195-1)
- Cold water as per DIN 1988-200 and
DIN EN 806-5

Fittings dependent on model

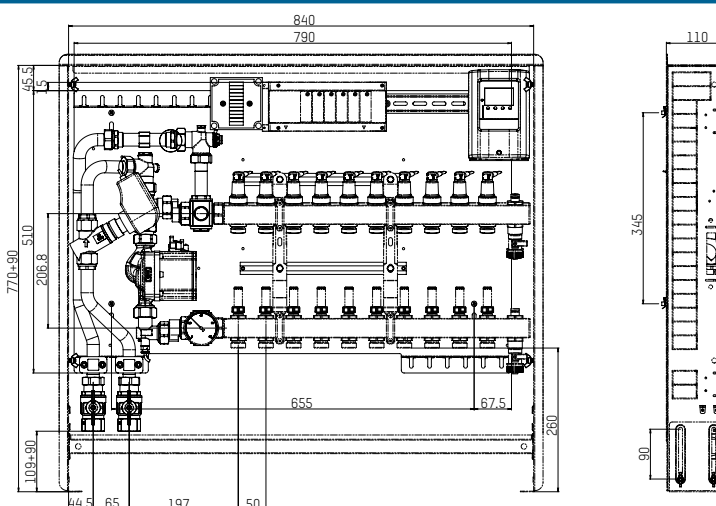
- High-efficiency circulating pump:
TacoFlow2 ADAPT
- 3-way mixing valve with fixed-value
control
- Underfloor heating circuit manifold
TacoSys Pro 2-12 heating circuits
- Electro-thermal actuators
- NovaMaster connector module
- Electronic controller with display
- PICV valve

TYPE OVERVIEW

TacoSys Piko | Heating module with 10 heating circuits

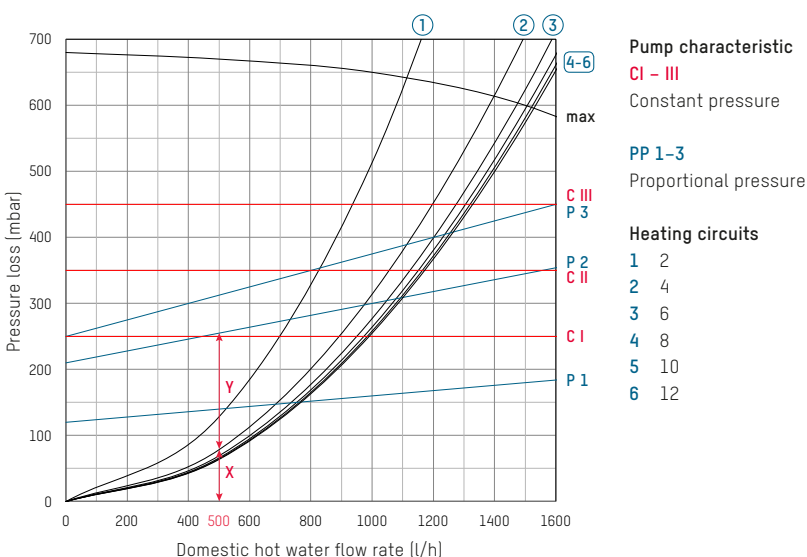
Order no.	DN	Rp	Heating circuit connections	Measuring range Supply TopMeter
276.0022.139	20	1" OT	¾" OT	0 – 5 l/min

DIMENSIONAL DRAWING



FLOW AND PRESSURE LOSS DIAGRAMS

For heating module with mixing station and fixed-value control and with open TopMeters and valves. Pump: TacoFlow2 ADAPT



X = Distributor pressure drop (example: 4 heating circuits at 500 l/h)

Y = Heating circuit pressure drop

Mixing station settings

- Calculate the required flow rate.
- Add the pressure drop (x) to the corresponding distributor curve and the required pressure drop of the heating circuits (y).
- Adjusting the pump using the pump graph
 - without zone control: constant pressure (CI-III) or proportional pressure (P1-3)
 - with zone control: proportional pressure (P1-3) or TacoAdapt

SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Max. operating pressure $P_{0\max}$: 3 bar
- Max. operating temperature $T_{0\max}$: 70 °C
- Dimensions: W 874 mm × H 772 – 892 mm × D 110 mm
- Weight (empty): approx. 25 kg

Materials

- Galvanized or varnished sheet steel housing according to model
- Pipes: DN 20 stainless steel 1.4404
- Pumps: cast iron
- Valve housing: brass seals: AFM34 (flat sealing)

Performance data

See design diagram

Electrical connection data

Actuator

- Protection type: IP 40
- Electrical protection class II
- Rated voltage (AC or DC): 24 V or 230 V
- Permitted ambient temperature: $\pm 10\%$
- Operating efficiency: 1.8 W
- Inrush current:
 - 24 V: 0.2 A for max. 1 min
 - 230 V: 0.6 A for max. 100 ms
- Recommended fuse: 0.35A slow-acting, as per DIN 41662
- Connecting cable length: 1 m

Flow media

- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)
- Cold water as per DIN 1988-200 and DIN EN 806-5

Fittings dependent on model

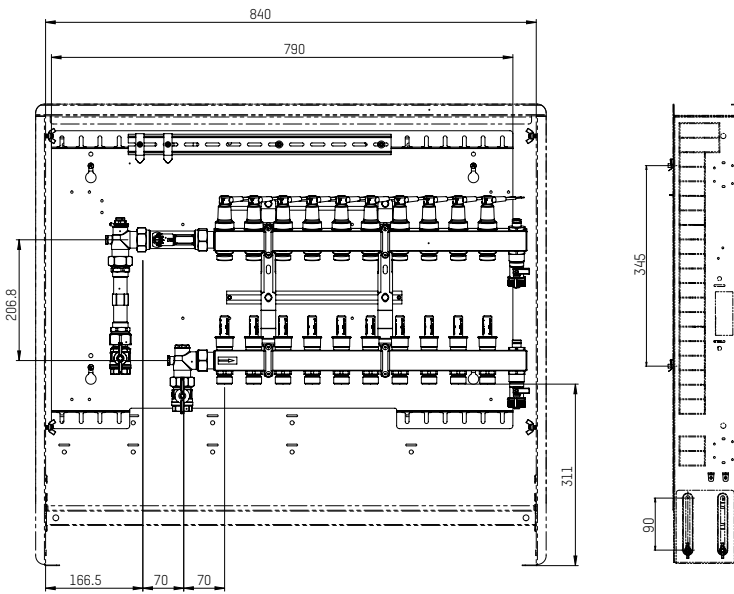
- Underfloor heating circuit manifold TacoSys Pro 2-12 heating circuits
- Electro-thermal actuators
- TacoSetter Inline in supply line

TYPE OVERVIEW

TacoSys Piko | Heating module with 10 heating circuits (2-pipe system)

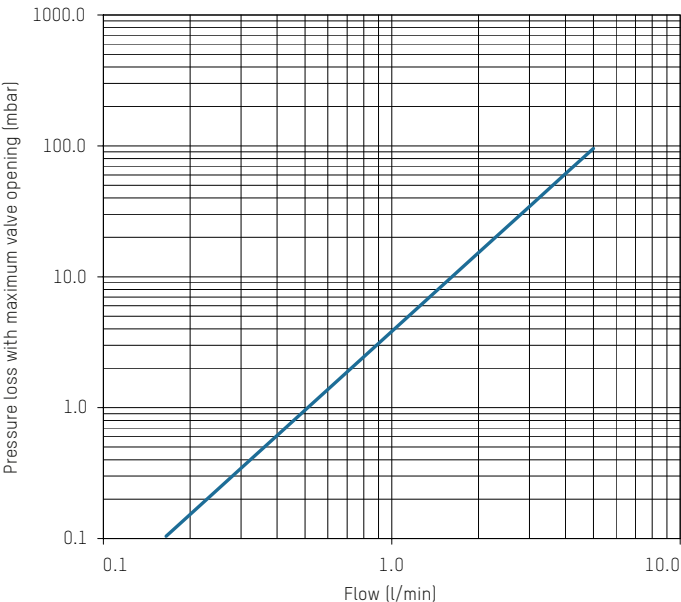
Order no.	DN	Rp	Heating circuit connections	Measuring range Supply TopMeter
276.0002.139	20	1" OT	$\frac{3}{4}$ " OT	0 – 5 l/min

DIMENSIONAL DRAWING



PRESSURE LOSS-DIAGRAMM

For TacoSys Pro heating circuit manifold with TopMeter Plus
(0 – 5 l/min; $k_{vs} = 0.97$)



CONTACT AND FURTHER INFORMATION

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