

## TACOTHERM DUAL NANO TACOTHERM FRESH NANO

The fresh water module and combination station in the Nano series impress with their slender construction (minimum 450 mm). They offer optimum functionality and give you free rein when planning the assembly of the modules. The fresh water module in this series can be used ideally as a gas boiler replacement unit.



### TacoTherm Dual Nano

The heat interface unit contains a fresh hot water module and heating module with integrated panel heating manifold and the option to additionally connect radiator heating. It has a **slender construction** and is highly versatile, allowing you to create the product configuration that best suits your construction project thanks to different installation and control options, heat exchangers, connection positions and manifold options.

### TacoTherm Fresh Nano

This variant consists of a fresh hot water module for decentralized installation and dispenses fully with the need for a panel heating manifold. It is characterized by its slender construction. This type of compact station **can** be used for example as a **replacement for a gas boiler** – the variable connections facilitate connection to the existing supply lines.

Because components can be selected to suit requirements, this ensures on-demand heating of domestic hot water, distribution of hot water as well as demand-driven calculation of energy costs for both stations.

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### HYDRONIC BALANCING – A MUST FOR MODERN BUILDING SERVICES

Taconova TacoSetters feature a sight glass with scale, enabling quick, accurate and variable flow rate control, as well as balanced heat distribution and improved energy efficiency.

### UNDER FLOOR HEATING TECHNOLOGY – FOR PERFECT INTERACTION

Comprehensive range of perfectly matching balancing valves, actuators, room thermostats and connection modules that can be combined in a variety of ways, as well as fully assembled manifolds for underfloor heating systems – for optimum energy distribution and a high level of comfort.

### SYSTEM TECHNOLOGY – INTELLIGENT STATIONS

Smart and connection-ready domestic hot water stations, heat interface units, storage loading and solar loading stations – state of the art technology for reliable operation, reduced maintenance and optimised energy costs.

### VALVES AND ACCESSORIES – FOR OPTIMUM SAFETY

A wide range of modern valves and accessories, including thermostatic mixing valves, venting valves, dirt separators and multifunctional valves and accessories, as well as sensors and measuring equipment – for comfort, exemplary safety and energy efficiency.

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HEAT INTERFACE UNITS  
TACOTHERM DUAL NANO / TACOTHERM FRESH NANO

# HEAT INTERFACE UNIT – PROVEN SYSTEM

The modular TacoTherm Dual Nano heat interface unit distributes heat energy and performs decentralized preparation of hot water in apartments in accordance with the continuous flow principle.

## DECENTRALIZED PREPARATION OF DOMESTIC HOT WATER

Decentralized fresh hot water stations or heat interface units operate according to the same technical principle as centralized systems.

The energy required to prepare domestic hot water is provided by means of the central storage tank and transported to the apartment via a riser pipe pump.

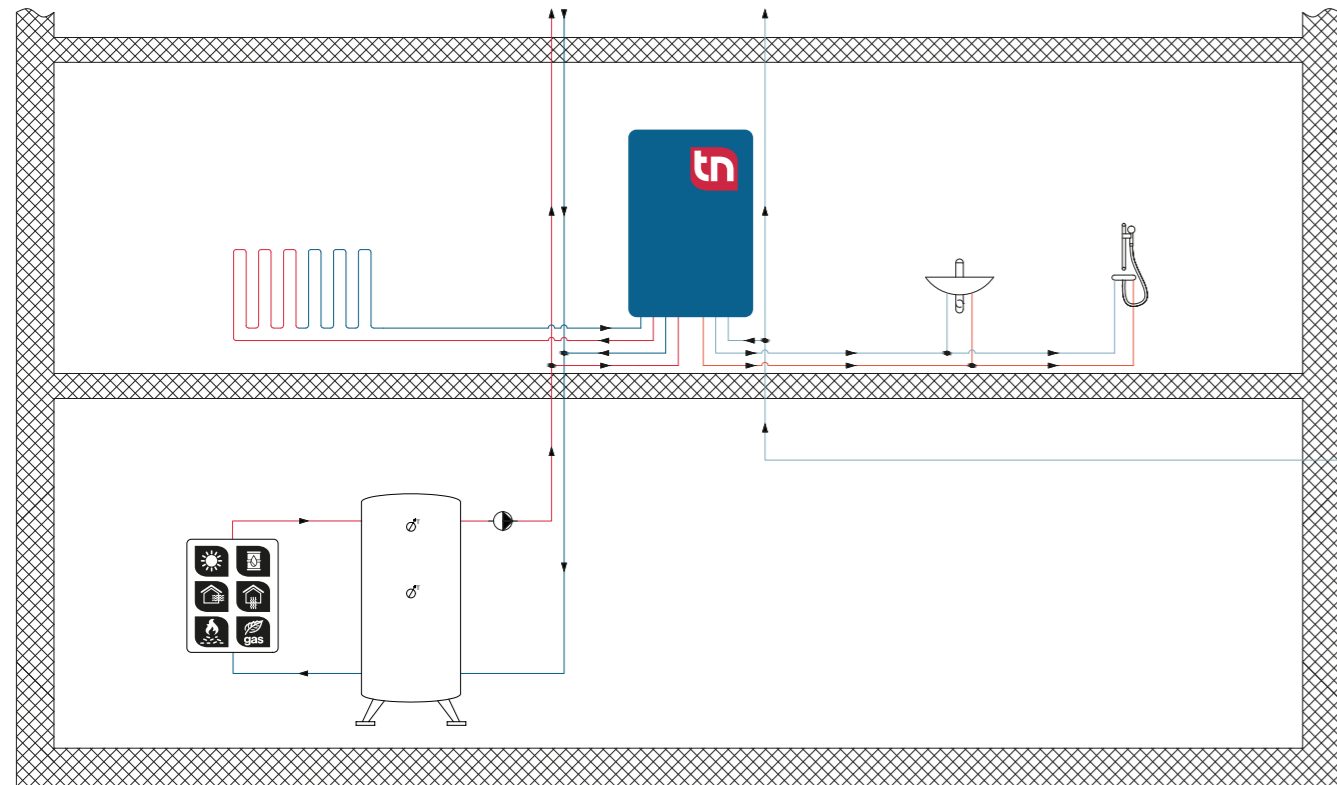
The **fresh hot water stations are installed directly in the apartments** with this type of installation.

Decentralized heating of drinking water – where only ejector lines are used – allows the risk level of Legionella to be reduced to "low".

As the volume of domestic hot water is consequently reduced to <3 l, these heat interface units are classed as small installations in the sense of the German Drinking Water Regulations (Trinkwasser-Verordnung, TrinkwV) from November 2015 and are therefore not subject to any special mandatory testing.

In combination with connecting piping for radiators or underfloor heating, the heat interface unit becomes the central point of access for supplying energy in an apartment.

This allows energy consumption to be recorded and calculated on an individual apartment basis. The heat meter takes on the role of an apartment energy meter and there is no need for domestic hot water meters.



# INSTALLATION MADE SIMPLE

High levels of prefabrication and low maintenance systems deliver valuable savings in terms of assembly time and make servicing almost redundant. Yet the heat interface units also offer many further advantages:

Modular heat interface unit for hygienic, on-demand, decentralized preparation of domestic hot water and thermal distribution in heating systems.

- Sophisticated installation concept with compact design and slimline construction
- Quick and simple flush- and surface-mounted installation in renovated or new developments

- Configuration options of fresh hot water module in relation to heat exchangers, control type, connections and installation options
- Configuration options of heating module in relation to control type, manifold accessories and primary pipe system

Product photo	Station / Type	Nominal dispensing rate	Dimensions in mm (W×H×D)	Version
	TacoTherm Dual Nano Combination Station	20 l/min*	523 × 1233–1323 × 153 (8 heating circuits) 750 × 1233–1323 × 153 (9–10 heating circuits)	<ul style="list-style-type: none"> <li>▪ Compact, combined and connection-ready heat interface unit</li> <li>▪ Fresh hot water station with heating module, preparation of fresh hot water, underfloor heating manifold and separate radiator connection in one</li> </ul>
	TacoTherm Fresh Nano Fresh Hot Water Module	20 l/min*	450 × 635 × 156	<ul style="list-style-type: none"> <li>▪ Connection-ready fresh hot water station</li> <li>▪ Suitable for replacement of gas boilers</li> <li>▪ Proportional flow-controlled with options such as standby module and anti-scald protection for increased comfort</li> </ul>

\* Performance data for primary = flow 70 °C / secondary = hot water 45 °C; Δp ≥ 300 mbar

# OVERVIEW OF VARIANTS

The TacoTherm Dual heat interface units adapt ideally to local conditions.

	TacoTherm Fresh Nano		TacoTherm Dual Nano	
	450 mm	490 mm	650 mm	750 mm
Use	Gas boiler replacement unit Heat interface unit			
Installation method	Base plate			
	Surface-mounted with varnished unit cover Flush in cabinet			
Heat exchanger	Copper solder Nickel solder 24 plates 40 plates (other sizes available on request)			
	Proportional flow controller NovaMix Value mixing valve (secondary anti-scalding protection recommended) Standby module Circulating pump			
Connections for primary, hot and cold water supply	Top Bottom with connection rail Bottom			
Connection for apartment heat distribution (bottom)	Pipe connections 1" AG (outer thread) Panel heating manifold			
Heating control	Fixed-value controlled Weather-controlled Without mixing station			
	Without actuator (manual adjustment) NovaDrive actuator Connector module for actuator Up to 8 heating circuits 9 – 10 heating circuits			
Hydronic balancing, primary side	Differential pressure controller TacoSetter Inline			
	Dyn. volume flow controller (PICV) TacoSetter Inline			

	TacoTherm Fresh Nano		TacoTherm Dual Nano	
	450 mm	490 mm	650 mm	750 mm
Use	Available	Available	Available	Available
Installation method	Available	Available	Available	Available
Heat exchanger	Available	Available	Available	Available
Fresh hot water station regulation	Available	Available	Available	Available
Connections for primary, hot and cold water supply	Available	Available	Available	Available
Connection for apartment heat distribution (bottom)	Available	Available	Available	Available
Heating control	Available	Available	Available	Available
Manifold options	Available	Available	Available	Available
Hydronic balancing, primary side	Available	Available	Available	Available
Hydronic balancing, heating	Available	Available	Available	Available

KEY

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