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NOVAMIX

ONE RANGE - NEW APPLICATIONS

NOVAMIX – HIGHLY VERSATILE

PERFECT FOR HEATING, SANITARY AND SOLAR APPLICATIONS

The self acting range of NovaMix mixing valves from Taconova ensure added comfort, safety and energy efficiency in many important sectors of building technology.

In **drinking water systems,** the NovaMix mixing valves are suitable for installation in both a **central location** and **directly at the tap outlet.** When installed in **central locations**, they can complement the integration of **thermal solar systems.**

The NovaMix mixing valve range reduce high domestic water temperatures to a constant temperature at the hot water tap outlet and thereby ensure protection against scalding. In addition, they increase the available hot water yield. Depending on the client requirements, the mixing valves are installed centrally near the hot water storage or directly in front of the outlet valve.

The NovaMix mixing valves can be used in **panel heating systems** (floor, ceiling, wall, thermal activation of building structure) for achieving the required flow temperature and also as a diverting valve for medium separation in air conditioning.

The NovaMix mixing valve range play a key role in regenerative energy systems, especially for **loading storage tanks by means of solid-fuel boilers**. Their use counteracts the formation of condensation especially in the ignition process. Tarring and boiler corrosion are greatly reduced as a result.

The NovaMix mixing valves are continuously variable and offer high precision control. Special valve seals minimize cold water ingress and non-stick coatings protect against limescale deposits and ensure reliable operation and long life.

Detailed information on the NovaMix products from Taconova is available in our general catalog and on the Internet at taconova.com.

Ask your dealer about Taconova products. For a list of stockists in your area please visit **taconova.com.**

NOVAMIX RANGE OF MIXING VALVES

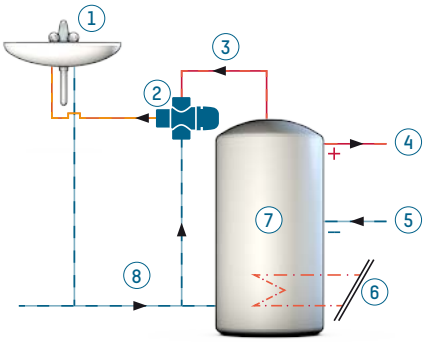
INFLOW	TEMPERATURE RANGE & PRODUCT	ARTICLE-NUMBER	DRINKING WATER AT CENTRAL LOCATION		DRINKING WATER AT CENTRAL LOCATION WITH SOLAR ASSISTANCE		DRINKING WATER AT THE OUTLET		PANEL HEATING SYSTEM (FLOOR, CEILING, WALL, THERMAL ACTIVATION OF BUILDING STRUCTURE)		STORAGE LOADING (SOLID FUELS)	
			k_{VS} < 2	k_{VS} > 2	k_{VS} < 2	k_{VS} > 2	k_{VS} < 2	k_{VS} > 2	k_{VS} < 2	k_{VS} > 2	k_{VS} < 2	k_{VS} > 2
	20 – 40 °C Standard (MT52)	252.6023.104	■				■					
		252.6024.104		■								
		252.6023.107							■			
		252.6024.107								■		
	20 – 70 °C High Capacity (MT52)	252.6034.107		■		■				■		■
	20 – 50 °C Value	253.3002.000					■		■			
		253.3003.000						■		■		
		253.3004.000						■		■		
		253.3102.000*					■		■			
		253.3103.000*						■		■		
		253.3104.000*						■		■		
	45 – 65 °C Value (MT53)	253.1002.000	■		■		■					
		253.1003.000		■		■						■
		253.1004.000		■		■						■
		253.1102.000*	■		■		■					
		253.1103.000*		■		■						
		253.1104.000*		■		■						
	35 – 70 °C Value (MT53)	253.2002.000	■		■		■		■			
		253.2003.000		■		■				■		■
		253.2004.000		■		■				■		■
		253.2102.000*	■		■		■					
		253.2103.000*		■		■						
		253.2104.000*		■		■						
	30 – 70 °C Standard (MT52)	252.6003.104	■		■							
		252.6003.107	■		■				■			
		252.6003.330*	■		■							
		252.6043.104	■				■					
		252.6004.104		■		■						
		252.6004.107		■		■				■		■
	30 – 50 °C Compact 50 TMV-2	252.6073.107*					■					
	30 – 70 °C Compact 70	252.6072.104*					■					

* Integrated backflow preventer (backflow preventers are not required for panel heating and check valves).

SCHEMATIC OVERVIEW OF VARIOUS APPLICATIONS

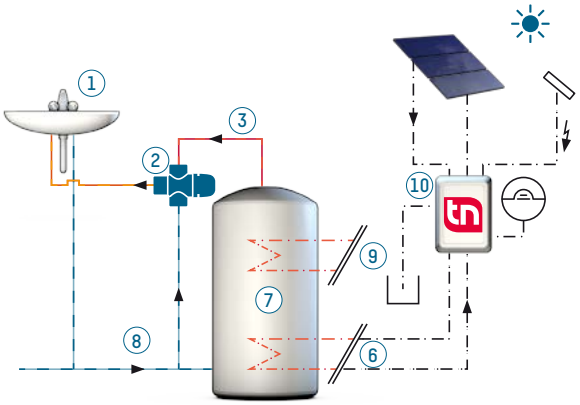
DRINKING WATER AND PANEL HEATING

DRINKING WATER AT A CENTRAL LOCATION



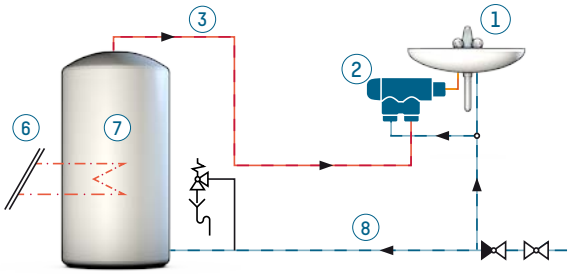
1. Wash basin
2. Mixing valve (Standard, Value, Compact)
3. Fresh hot water output
4. Heating flow
5. Heating return
6. Heat exchanger primary circuit
7. Storage
8. Cold water inlet

DRINKING WATER AT A CENTRAL LOCATION WITH SOLAR ASSISTANCE

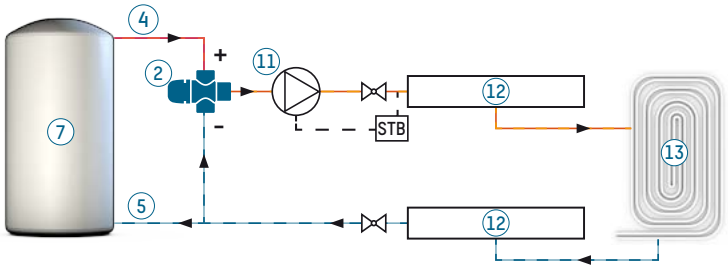


9. Alternative heat source
10. TacoSol Circ solar station

DRINKING WATER AT THE OUTLET



PANEL HEATING SYSTEM

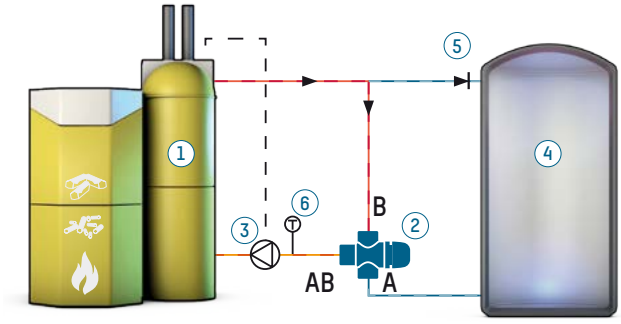


A safety temperature limiter (STB) must be installed.

11. Pump
12. Distributor
13. Panel heating system

STORAGE TANK LOADING WITH SOLID FUELS

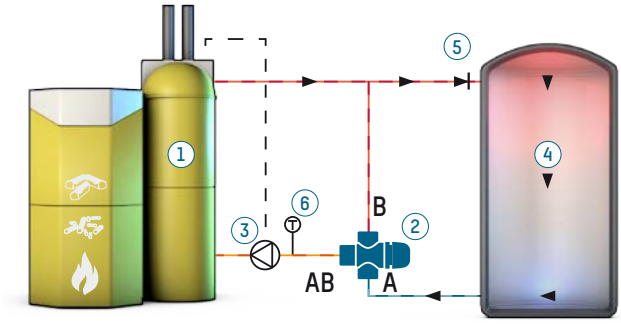
FUNCTION: MIXING, BOILER CIRCUIT



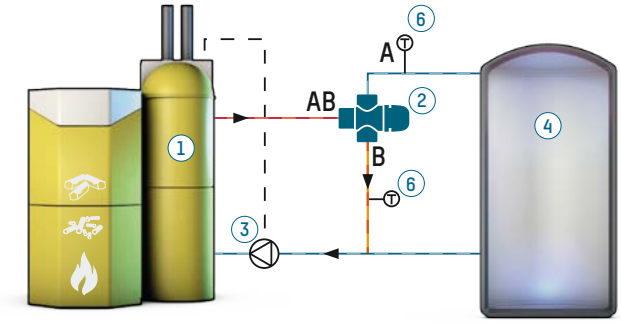
1 Solid-fuel boiler
2 Mixing valve
3 Pump
4 Storage
5 Check valve
6 Thermometer

A Cold water connection
B Hot water connection
AB Mixing water connection

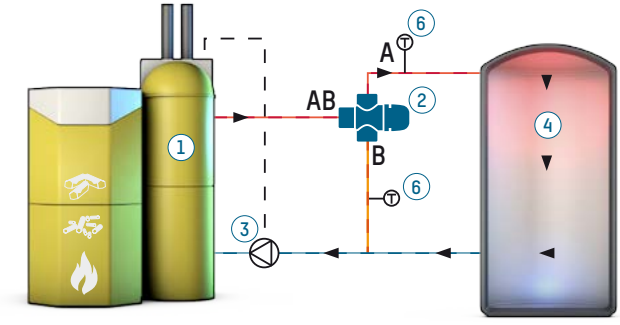
FUNCTION: MIXING, STORAGE LOADING CIRCUIT



FUNCTION: DISTRIBUTING, BOILER CIRCUIT



FUNCTION: DISTRIBUTING, STORAGE LOADING CIRCUIT



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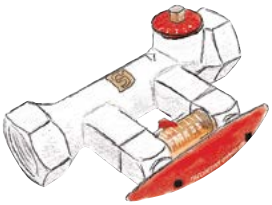
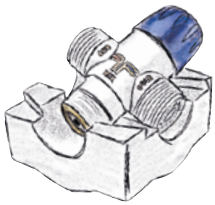


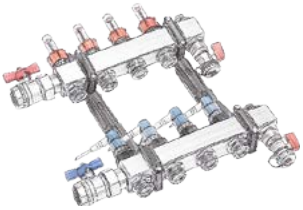
HYDRONIC BALANCING

Increased energy efficiency
Heat distribution for any system, matched to demand.



VALVES AND ACCESSORIES

Compact aids
For safety, greater effectiveness and convenience.

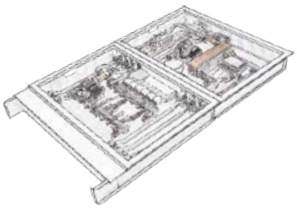


AREA HEATING SYSTEMS

Perfect interaction
For a pleasant, individual room climate.

PUMP TECHNOLOGY

Upwardly efficient
For low operating costs and greater energy efficiency.



SYSTEM TECHNOLOGY

Intelligent units
For reliable operation, reduced maintenance and optimised energy costs.

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