taconova

NOVAMIX COMPACT 50

THERMOSTATIC MIXING VALVE

ADVANTAGES

- Constant temperature of the water at the outlet
- Automatic mixing function without auxiliary power
- Protection against scalding in accordance with EN 1111
- In the functional area: polished surfaces to prevent limescale deposits
- Back-flow preventers (check-valves) built into cold and hot water connections

Limits and maintains constant levels of mixing temperatures in systems.

DESCRIPTION

The autonomous thermostatic mixing valve NovaMix Compact 50 ensures a constant mixed water temperature at the outlet. This gives permanent protection against scalding, even with high storage tank temperatures.
The mixing valve can be used in sanitary applications in both public and private areas. Due to its attractive design, it is also suitable for visible installation directly beneath the wash-basin.
Temperature can be regulated up to 50 °C, thermal disinfection can be carried out.

Backflow preventers are already installed ensuring optimum hydraulic functionality.

INSTALLATION POSITION

Any.

OPERATION

A thermostatic cartridge and a return spring ensure the constant blend temperature at the outlet.
Thanks to the design of the mixing valve, the thermostatic cartridge can be easily replaced in the installed valve if the performance decreases, which occurs due to normal wear and tear.

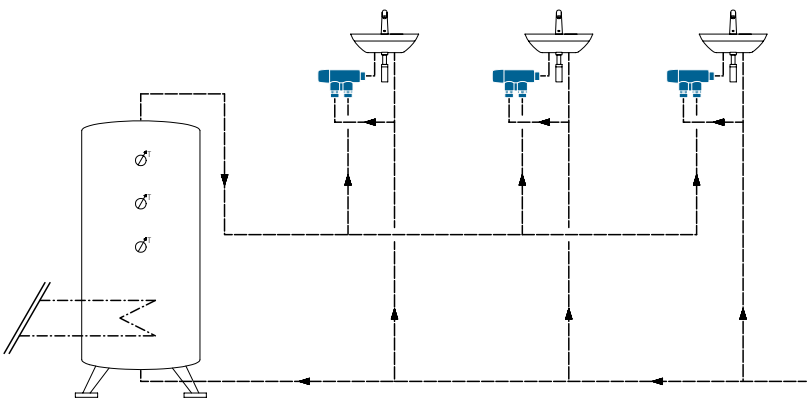
In case of cold water failure, the hot water supply shuts off automatically and hermetically. This ensures full protection against scalding.

BUILDING CATEGORIES

For pipe installations in drinking water and heating area:

- Apartment blocks, housing estates, multiple dwelling units
- Residential care facilities, hospitals
- Administration and service buildings
- Hotels and restaurants, industrial kitchens
- School buildings and sports facilities
- Commercial and industrial buildings

SYSTEM/BASIC DIAGRAM



SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- k_{VS} values and dimensions as per the relevant tables
- Max. operating temperature $T_{O\,max}$: 90 °C
- Max. operating pressure $P_{O\,max}$: 10 bar
- Min. operating pressure $P_{B\,min}$: 0,5 bar
- Adjustable temp. range: 30 – 50 °C
- Mix temperature stability: max. 3 K (for hot water temp. change 15 K)
- Shut-off function in event of cold water failure
- Noise class 2
- Installation position: any

Material

- Housing: brass (DZR), nickel-plated
- Internal parts: Stainless steel, brass, high-quality plastic
- Seals: EPDM
- In the functional area: polished surfaces to prevent limescale deposits

Flow media

- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195–1)
- Potable water (DIN 1988-200)

APPROVALS

- Components in accordance with KTW-BWGL (self-declaration), ACS, PZH

NOTE

The brochure "NOVAMIX ONE RANGE - NEW APPLICATIONS" contains additional information on the various applications of Taconova mixing valves.

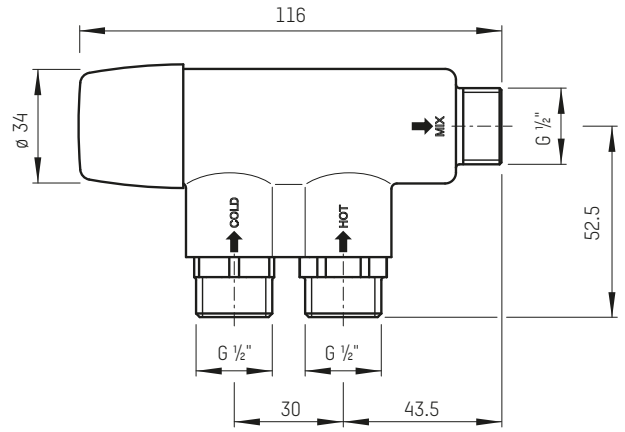
TYPE PROGRAM

NovaMix Compact 50 | Thermostatic mixing valve
Temperature range 30 – 70 °C

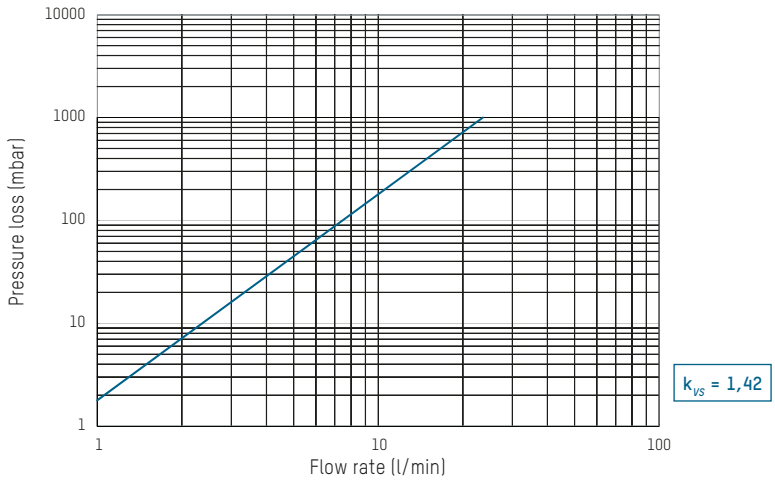
Item no.	DN	G	E (l/min)	k_{VS}
252.6073.107	15	½"	23,7	1,42

E = Extracted outlet quantity at Δp = 1 bar

DIMENSIONAL DRAWING



PRESSURE LOSS DIAGRAM



INFORMATION

If the handwheel of the mixing valve is fully open, the mixing element will not work. As a result, the outlet temperature may be above the controllable temperature range and may be approximately the same as the hot water inlet temperature.

ACCESSORIES

ADAPTER FOR FLAT SEALING FITTINGS

Item no.
296.5223.004

CONNECTIONS

Compression fitting joint with nut, clamping ring and supporting sleeve

Item no.	G × mm	Version for
210.3222.000	½" × 10	Copper pipe 10/1
210.3225.000	½" × 15	Copper pipe 15/1

Subject to modification. 11/2026

CONTACT AND FURTHER INFORMATION TACONOVA.COM

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