

NOVAMIX COMPACT 70

THERMOSTATIC MIXING VALVE



ADVANTAGES

- Constant temperature of the water at the outlet
- Automatic mixing function without the need for auxiliary power and infinite regulation of the mixed water temperature
- Protection against scalding
- In the functional area: polished surfaces to prevent limescale deposits
- Check-valves built into cold and hot water connections

Maintaining constant mix temperatures and limiting temperatures in hot water systems

DESCRIPTION

The automatic thermostatic mixing valve NovaMix Compact 70 ensures a constant temperature of the mixed water at the outlet when used as the central mixing device. This prevents scalding at the outlet, 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 70°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.

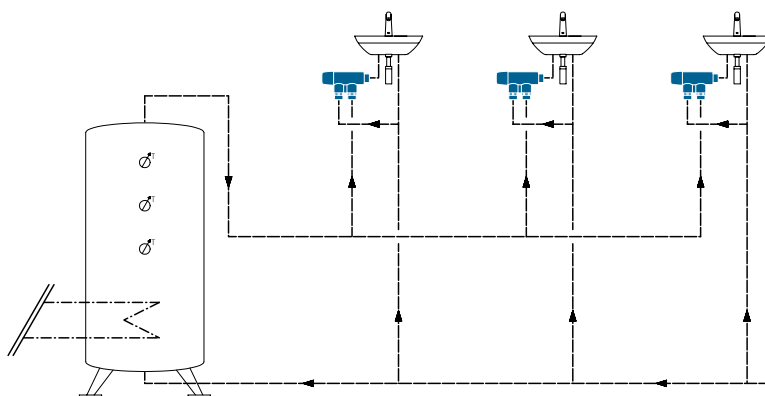
In case of cold water failure, the hot water supply shuts off automatically and hermetically. This ensures full protection against scalding.

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



NOVAMIX COMPACT 70 | THERMOSTATIC MIXING VALVE

SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Adjustable temperature range: 30 – 70 °C
- k_{VS} values and dimensions as per the relevant tables
- Operating temperature $T_{0\ max}$: 90 °C
- Max. operating pressure $P_{0\ max}$: 10 bar
- Min. operating pressure $P_{0\ min}$: 0,5 bar
- Temperature stability for mixing: max. 3 K (for change in hot water temperature: 15 K)
- Locking function in the event of failure of the cold water supply
- Noise class 2
- Installation position: can be installed in any position

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

Fluids

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

APPROVALS / CERTIFICATES

- DVGW (UBA hygiene conformity), ACS, PZH

NOTE

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

TYPE OVERVIEW

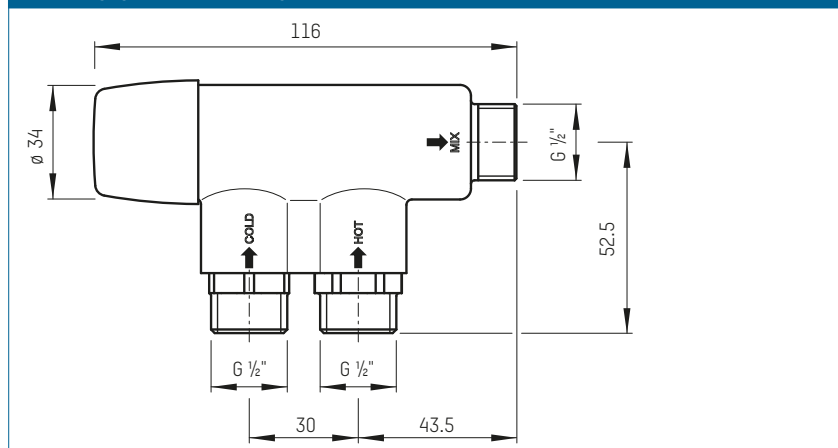
NovaMix Compact 70 | Thermostatic mixing valve

Temperature range 30 – 70 °C

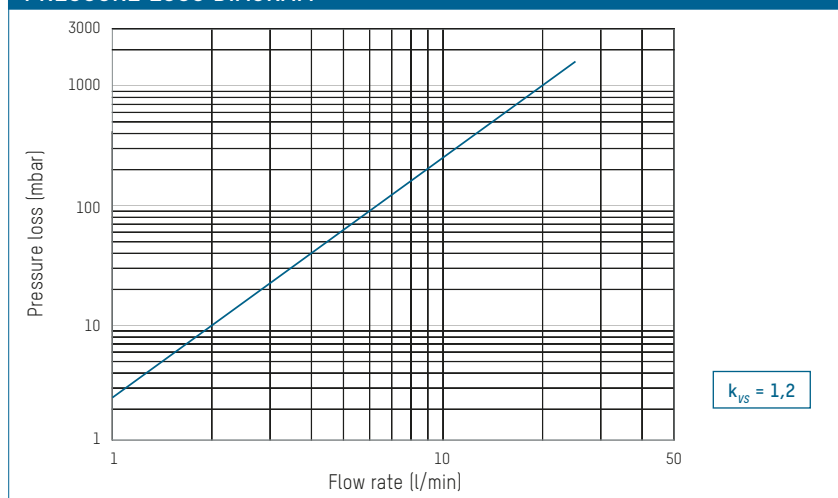
Order no.	DN	G	E (l/min)	k_{VS}
252.6072.104	15	½"	20	1,2

E = Extracted (outlet) quantity at $\Delta p = 1$ 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.

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ACCESSORIES



ADAPTER FOR FLAT SEALING FITTINGS

Order no. _____
296.5223.004

CONNECTIONS

Compression fitting joint with nut, clamping ring and supporting sleeve

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