

NOVAMIX HIGH CAPACITY | THERMOSTATIC MIXING VALVE

SPECIFICATION TEXT

See www.taconova.com

TECHNICAL DATA

General

- Adjustable temperature range: 20 – 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
- Constant inlet pressure differential: max. 2 bar
- Temperature stability for mixing: max. 4 K (for change in hot water temperature: 20 K)
- Locking function in the event of failure of the cold water supply
- Weight: 0.9 kg
- Recommended minimum tap flow rate: 5 l/min
- Male thread G (cylindrical) to ISO 228
- Noise class 2
- Installation position: can be installed in any position

Material

- Housing and inner parts: brass (resistant to dezincification)
- Seals: EPDM, NBR
- 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)

Special application

- Diverting function possible (inflow via a mixing gate)

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 High Capacity | Thermostatic mixing valve for storage water heating unit, temperature range 20 – 70 °C

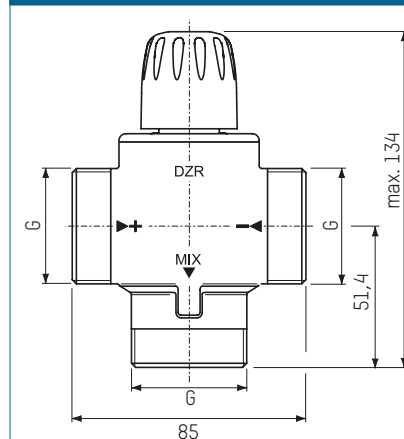
Order no.	DN	G	E (l/min)	k_{VS} 1	k_{VS} 2
252.6034.107	25	1 1/4"	102	6,1	5,9

E = Extracted [outlet] quantity at $\Delta p = 1,0$ bar

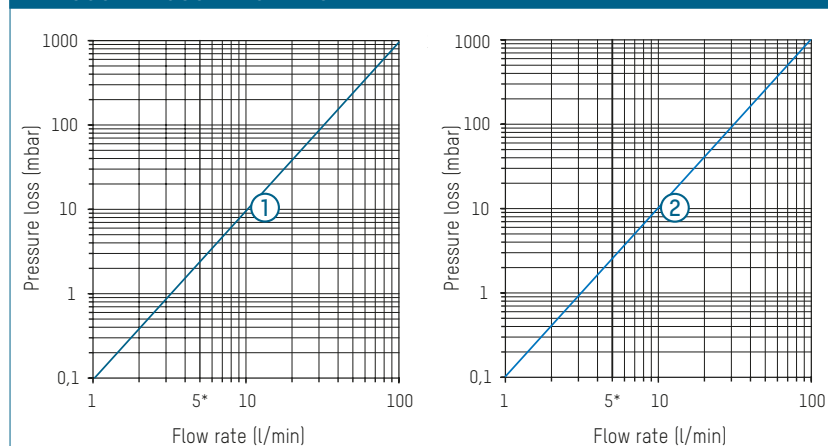
k_{VS} 1 = without check valve

k_{VS} 2 = with check valve

DIMENSIONAL DRAWING



PRESSURE LOSS DIAGRAMS



1 252.6034.107 without check valve: $k_{VS} = 6,1$

2 252.6034.107 with check valve: $k_{VS} = 5,9$

* Recommended minimum tap flow rate

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



INSULATION BOX

Order no.	DN
296.2328.000	25



CONNECTION SET FOR THREADED PIPE

Order no.	DN	G x R
210.6633.000	25	1 1/4" x 1"



CONNECTION SET FOR THREADED PIPE WITH CHECK VALVE

Order no.	DN	G x R
296.5205.003	25	1 1/4" x 1"



PRECISION THERMOMETER, QUICK RESPONSE

Fits in 1/2" T-piece, Indication range: 0 – 80 °C (accuracy class 2,5 within the range 40 – 60 °C), Sensor tube stainless steel, Sensor length: 39 mm

Order no.	R
296.5212.003	1/2"

SPARE PARTS



REGULATING PISTON WITH THERMOSTATIC ELEMENT

Order no.
298.5268.000