

# NOVAMIX HIGH CAPACITY

## THERMOSTATIC MIXING VALVE



W270

### ADVANTAGES

- Constant temperature of the water at the outlet
- Automatic mixing function without the need for auxiliary power
- Infinite regulation of the mixed water temperature in the range from 20 – 70 °C
- Protection against scalding; the NovaMix High Capacity model closes tightly
- Special design with anti-scalding device
- Can be used in panel heating systems and for loading storage tanks by means of solid-fuel boilers

Maintaining constant mix temperatures and limiting temperatures in hot water systems

### DESCRIPTION

The automatic thermostatic mixing valve NovaMix High Capacity 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 large valve cross sections in the NovaMix High Capacity reduce the valve's intrinsic pressure loss (high  $k_{vs}$ ), permitting high flow rates even at peak times. Special valve seals on the controller piston reduce unwanted mixtures to a minimum (very low internal cold water leakage rate), which provides maximum utilization of the storage temperature.

The NovaMix High Capacity is mainly used in sanitary applications (SVGW approval) as a regulating device for reducing the temperature of the water coming out of hot water tanks. It can also be used in numerous other applications requiring a constant mixing temperature. For example as a mixing unit for constant water mixing temperatures in panel heating systems and for loading storage tanks by means of solid-fuel boilers.

### INSTALLATION POSITION

Any.

### OPERATION

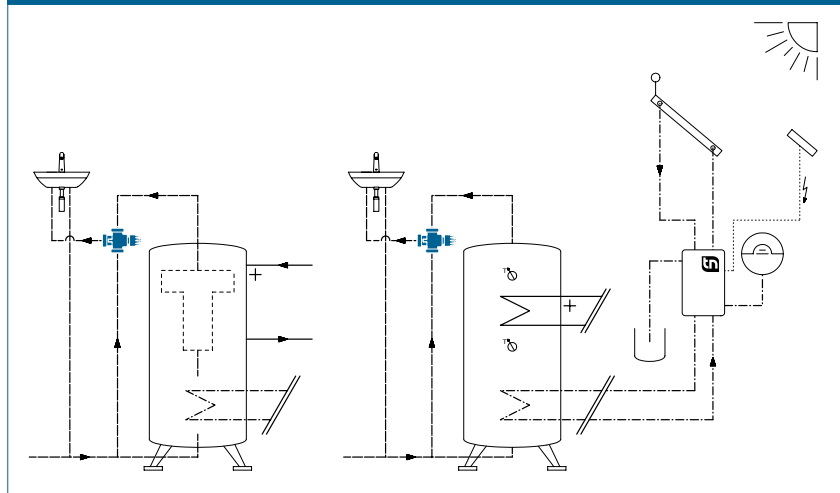
The mixing valve is supplied with hot water from the storage tank and cold water from the mains network. The temperature of the mixed water is detected by the thermostatic expansion element. If the mixed water temperature diverges from the target value, the thermostatic expansion element moves the regulator piston, thus regulating the hot and cold water intake quantity accordingly, until the mixed water temperature corresponds to the target value.

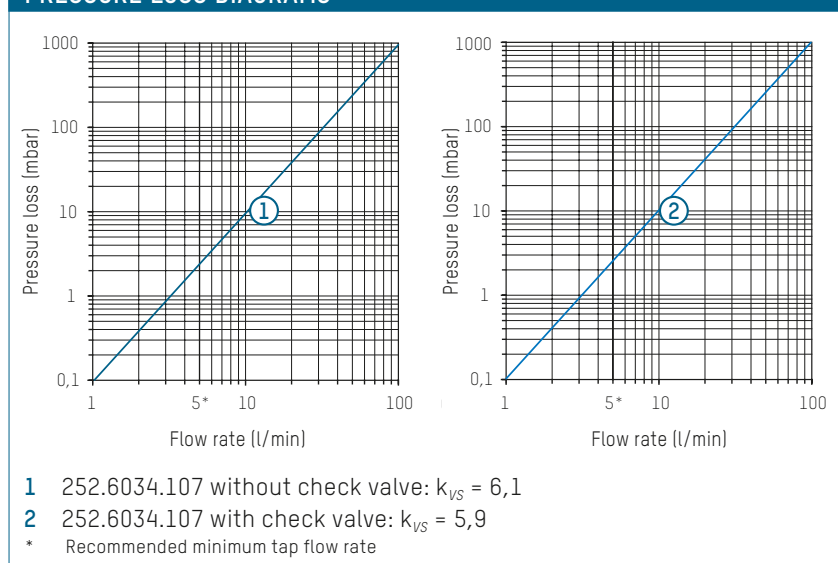
### BUILDING CATEGORIES

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 HIGH CAPACITY | THERMOSTATIC MIXING VALVE

## 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"

## SPARE PARTS



### REGULATING PISTON WITH THERMOSTATIC ELEMENT

Order no.
298.5268.000