

# Thermostatic mixing valve compact for point of use

MINIMIXing

## Technical Data Sheet



## Description

Specific thermostatic mixing valve for point of use control requiring an aesthetic environment.

Designed to supply sinks, hand wash-basins or electronic faucets with immediate tempered water not exceeding a temperature set (factory preset: 38°C). MINIMIXing provides high security level against scalding and Legionella bacteria.

**Applications in communities or in bathrooms:** hospitals, nursing homes, hotels, schools, restaurants, laboratories, motorway services ... anywhere needing an excellent temperature management, particularly on start up of flow.

## MINIMIXing

Part Number	Ø	Connection hot water	Connection cold water	Connection mixed water	Weight
2297320M2	3/8"	Female free nut	Male flat sealing	Male flat sealing	0,405 kg
2297321M2	1/2"	Male flat sealing	Male flat sealing	Male flat sealing	0,395 kg
2297323M2	1/2"	Compression fitting 15 mm	Compression fitting 15 mm	Compression fitting 15 mm	0,460 kg



Accessories and replacement cartridge:

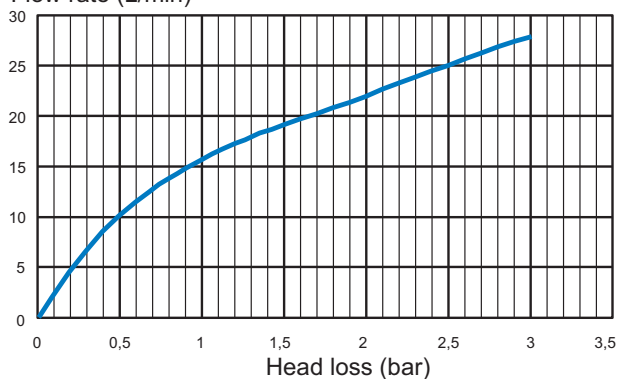
Part Number	Designation	Weight
22TCP6M2	Replacement cartridge type: MINCP6	0,11 kg
2297390K	3/8" Swivel nut installation kit	0,23 kg
22TB120014	Cartridge extractor	0,20 kg

## Features and benefits

- extra compact size,
- aesthetic design with brass body chrome polished,
- easily installed directly on isolating wall-mounted tap,
- temperature set secured by hexagonal socket screw (Allen key),
- easy to replace modular adjustment mechanism (cartridge),
- graduated ring inside the body for temperature control by the installer or user,
- fitted with 2 approved check valves (KIWA, WRC, DVGW, BELGAQUA, NF...),
- incorporated stainless steel filters, integrated in the thermostatic cartridge,
- remarkable rapidity of reaction of the mechanism,
- in compliance with the European standard EN1111.

## Pressure drop curve / headloss

Flow rate (L/min)



**Flow rate (dynamic pressure at inlets)**

At	1 bar	2 bar	3 bar
Flow in L/min	16	22,5	28

### Technical characteristics

Maximum working pressure.	10 bar
Minimum working pressure	1 bar
Recommended working pressure	from 2 to 4 bar
Max. pressure difference between hot and cold water	1.5 bar
Minimum difference between input temperatures	10°C
Maximum hot water temperature	85°C
Setting range	from 30 to 70°C
Factory preset temperature	38°C
Flow under 3 bar	28 l/min.
Minimum flow	5 l/min

### Materials

Body	brass CW617N-4MS
Cap	ABS
Thermostatic mechanism	ULTEM 1000
Nut	brass CW617N

## Approvals

Attestation of sanitary conformity (ACS) - KIWA - EAC.

## Anti-scald safety

High level of protection from scalding: instant failsafe in case of hot or cold water failure.

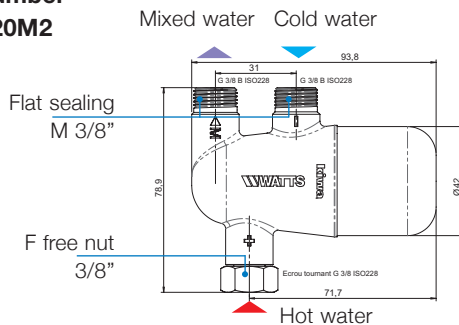
## Protection against legionella

- Cartridge can be removed and replaced (for easier scale removal and disinfecting).
- Integral approved check-valves avoid connection risk between cold and hot water (withstanding temperatures above 90°C).
- Thermal shock : simply remove the protective cover and set the temperature with the Allen key to maximum hot position to allow hot water to circulate (kills bacteria above 60°C).
- The thermostatic mixing valve is delivered with a “rinsing cover kit”: after removed the cartridge and place the rinsing cover kit, you can flush the valves with a disinfectant solution or with a water temperature up to 90°C without danger of damaging the thermostatic mechanism.

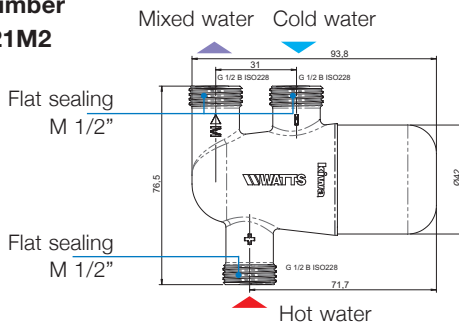
## Dimensions

(mm)

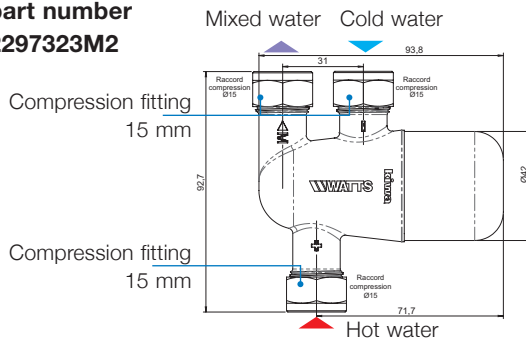
**3/8" (12x17) Male flat sealings / Female free nut**  
**part number**  
**2297320M2**



**1/2" (15x21) Male flat sealings**  
**part number**  
**2297321M2**



**1/2" (15x21) Compression fittings**  
**part number**  
**2297323M2**



## Installations

Perpendicular to the wall

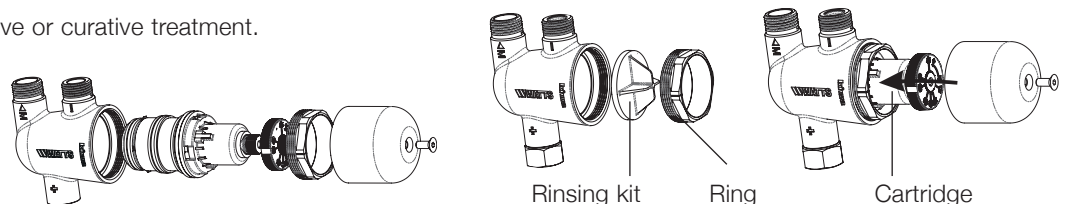


Parallel to the wall



## Rinsing kit

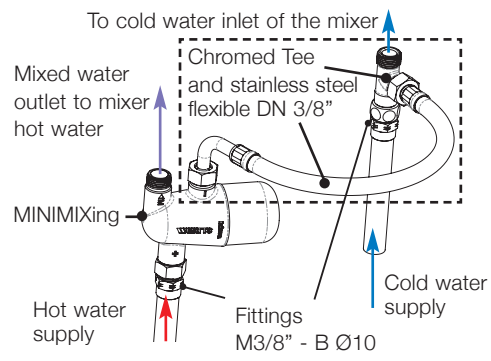
Exclusive benefit in case of preventive or curative treatment.  
 (delivered with each MINIMIXing)



# Swivel nut installation kit

Kit design to pick cold water of the installation to connect the thermostatic mixing valve, including a tee 3/8" MMF swivel nut + 1 stainless steel flexible DN 30 cm angled FF3/8" swivel nut + 2 fittings M3/8" - B Ø10.

Part Number	Designation
2297390K	Swivel nut installation kit



# MINIMIXing chromed kit

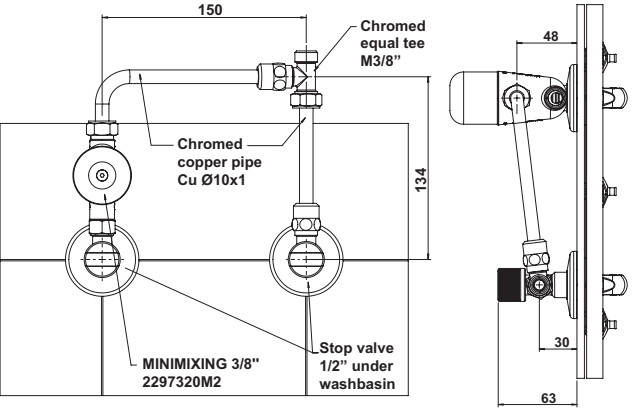
Complete kit for installation of thermostatic mixing valve MINIMIXing with 2 stop valves and chrome assembly (pipes, tee, nuts and seals). For installation perpendicular or parallel to the wall.

- Composition :
- 1 thermostatic mixing valve MINIMIXing part number 2297320M2,
  - 2 chromed taps with 2 stainless steel rosettes,
  - 1 equal tee,
  - 2 chromed nuts,
  - 1 chromed copper pipe,
  - 1 chromed copper pipe bent,
  - 2 fiber seals,
  - 1 rinsing kit.

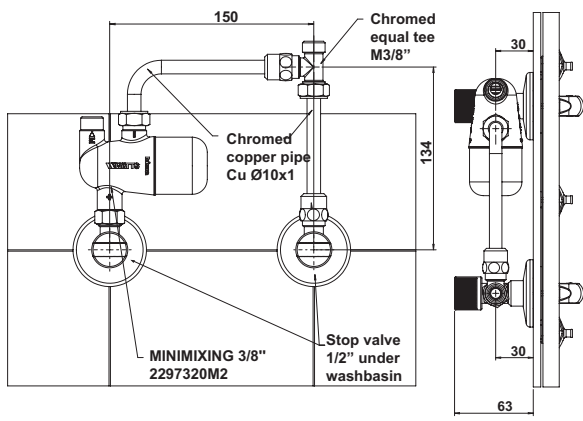


Part Number	Designation
2297392KM2	MINIMIXing chromed kit

Installation perpendicular to the wall



Installation parallel to the wall



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