

ULTRAMIX FNC

Thermostatic mixing valves

Technical Data Sheet

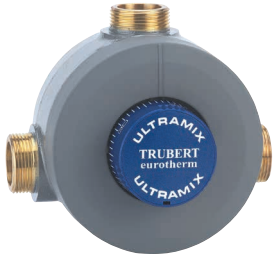


Description

Thermostatic mixing valves with a double regulation functioning according to a principle of servo-motor.

Water mixing is obtained by two independent valves, one for hot water, one for cold water, which operate like two hydraulic relays. These two valves are controlled by a bimetallic strip that records output water temperature and can be adjustable also with the calibrated control knob.

ULTRAMIX FNC Special security mixing valve



The thermostatic mixing valve ULTRAMIX FNC has the same characteristics than the ULTRAMIX^(*), but it integrates a safety device and allows drawing even in the case of a hot water cut.

Special model for the installations with safety showers or emergency eye-washer.

Anti-scalding feature : if there is not enough cold water the mixing valve shuts off automatically and instantaneously.

Dismountable thermostatic mechanism equipped with filters and check valves NF.

Adjustment range: 10 to 50°C, Its setpoint temperature is not sensitive to flow rate variations in the installation, whether at minimum or maximum.

Rinsing kit included.

ULTRAMIX FEATURES^(*):

- Anti-scalding feature: the hot water shuts off automatically if there is not enough cold water. (Δ Hot water/Mixed water > 10°C).
- Thermostatic mixing valve mechanism: the mechanism is inside the removable cartridge.
- Approved check-valves: high hydraulic features, due to the design.
- Filtering: strainer anchored on watertight elastomer support. Perfect accessibility, disassembly without tools, easy cleaning requiring no special qualification.

Art. No.	Flow rate (l/m)	Diameter	Point of use**	Range 10 to 50°C	Weight	Art. No. replacement cartridge
22TX91FNC	mini 3 - maxi 56	M 3/4" 20x27	1 to 7	Special security	2,3 Kg	22TX1FNC
22TX92FNC	mini 3 - maxi 80	M 3/4" 20x27	1 to 10	Special security	2,3 Kg	22TX2FNC
22TX93FNC	mini 3 - maxi 120	M1" 26x34	1 to 15	Special security	3,5 Kg	22TX3FNC
22TX94FNC	mini 5 - maxi 175	M1" 1/4 33x42	1 to 20	Special security	5,0 Kg	22TX4FNC
22TX95FNC	mini 5 - maxi 260	M1" 1/2 40x49	1 to 32	Special security	8,6 Kg	22TX5FNC
22TX96FNC	mini 6 - maxi 400	M2" 50x60	1 to 50	Special security	11,1 Kg	22TX6FNC

** For information only. Take the coefficient of combined flow into consideration.

Technical features			
Material	Built-in blocking control knob - Cover in front (grey PVC)		
Standards temperature range	10 to 50°C		
Blue control knob	graduated		
Dynamic pressure flow rate	at 3 bar		
Operating pressure	maxi	mini	recommened
	10 bar	1 bar	2-4 bar
Maximum hot water temperature	85°C		
Minimum temperature variation between inlets	5°C		
Maximum pressure variation	1,5 bar		

TX91 to TX96: 1 mixed water outlet on the top.

TX91 and TX92: 1 bottom mixed water outlet to be plugged.

TX93, TX94, TX95 and TX96 with bottom drain plug.

ULTRAMIX is guaranteed 10 years.

Rinsing kit included.

Approvals

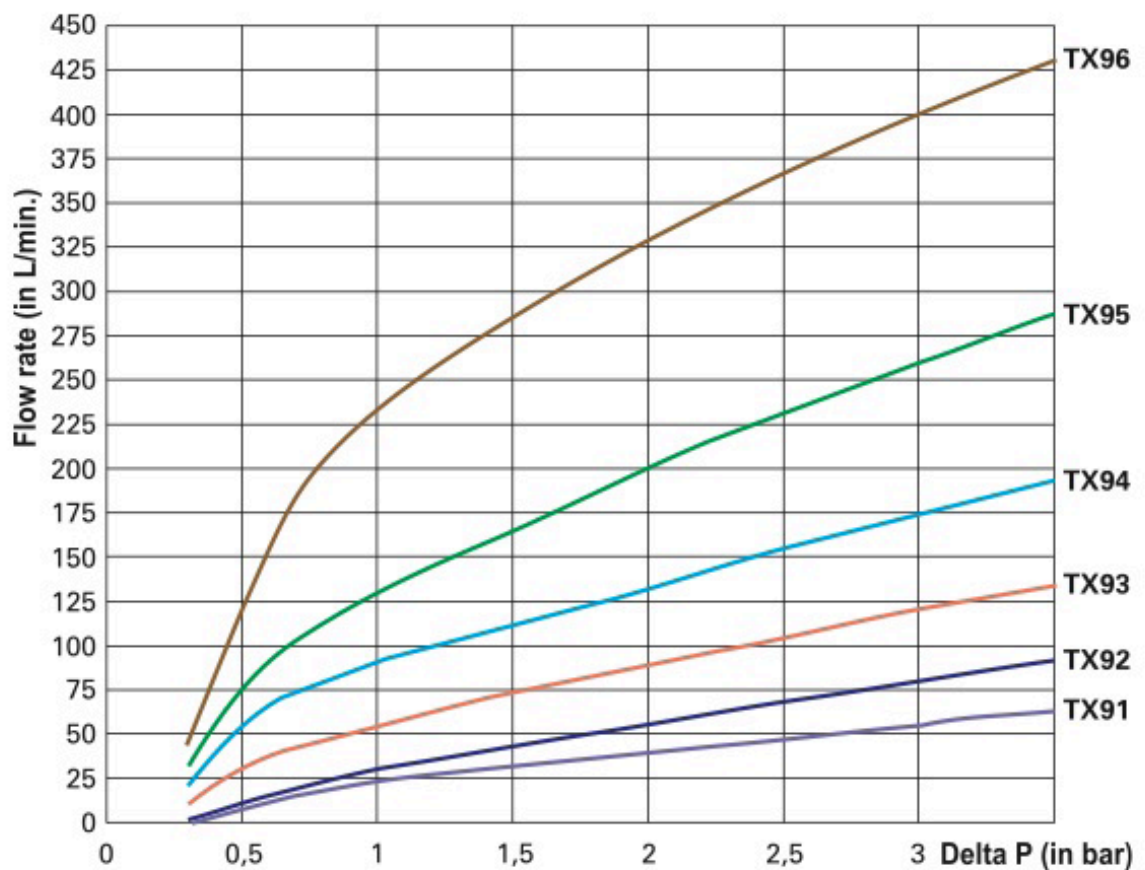
Ultramix FNC is ACS approved.
NF approved on check-valves.

Product benefits

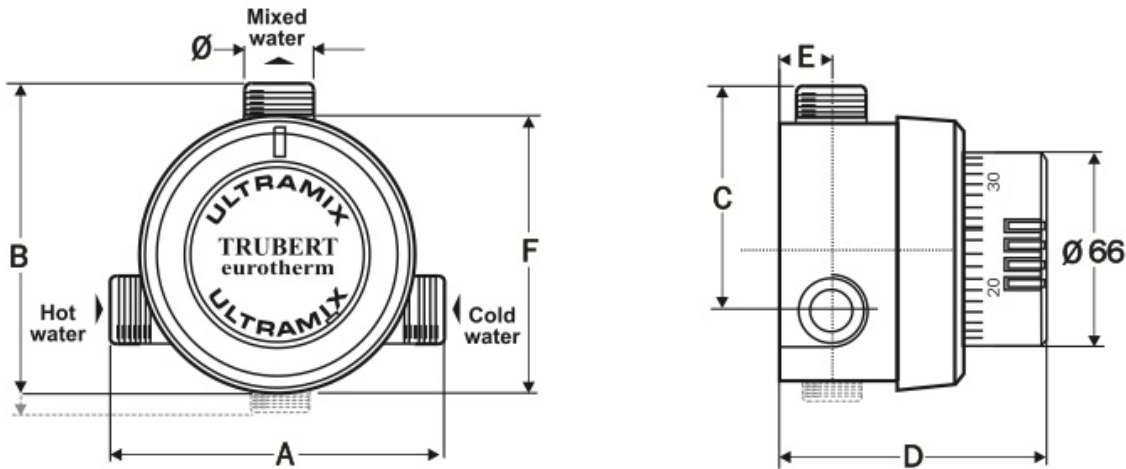
This operational principle provides many advantages:

- MINIMUM FLOW RATES: the lowest available and reliable on the market.
- The use of only one shower is sufficient for its perfect operation whatever the diameter of the thermostatic mixing valve.
- Excellent resistance to scale and remarkable longevity due to no friction from moving metal parts.
- Low and high flow rates receive the same adjustment quality thanks to the relay operational principle.
- Easy and quick maintenance
- Perfect accessibility disassembly without tools
- Easy cleaning thanks to a dismantable cartridge.
- Interchangeability: the ULTRAMIX range cartridges are interchangeable with the current range and the old range.

Chart



Overall dimensions (mm)



Model	TX91	TX92	TX93	TX94	TX95	TX96
A (mm)	117	117	144	182	218	242
B (mm)	120	120	142	160	200	217
C (mm)	81	81	96	108	129	144
D (mm)	93	93	108	116	128	140
E (mm)	19	19	23	24	36	36
F (mm)	98	98	116	145	175	198
Diameter	M3/4"	M3/4"	M1"	M1"1/4	M1"1/2	M2"
Weight (Kg)	1,8	1,8	2,8	4,6	7,8	10

Specification text

ULTRAMIX FNC

Group thermostatic mixing valve **ULTRAMIX FNC** WATTS brand with double regulation functioning according to a principle of servo-motor for mixed water distribution from 10 to 50°C. Maximum hot water temperature: 85°C. Differential hot water/mixed water: 10°C mini. Minimum temperature variation between inlets: 5°C. Pressure differences at the entrance: 1 bar maximum (0.5 bar recommended). Minimum pressure/maximum: 1 to 10 bar (1 to 4 bar recommended). Maximum pressure variation: 1.5 bar. Dynamic pressure flow rates under 3 bar. Anti-scalding safety: the hot water shuts off automatically if there is not enough cold water. Blue control knob graduated:

- TX91 to TX96: 1 mixed water outlet on the top.
- TX91 and TX92: 1 bottom mixed water outlet to be plugged.
- TX93, TX94, TX95 and TX96 with bottom drain plug.

Inlet hot water on the left, cold water on the right. Dismountable thermostatic mechanism equipped with filters and check valves NF. Non-return valves NF and filters accessible from the exterior without having to remove the mechanism. ACS approved

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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