

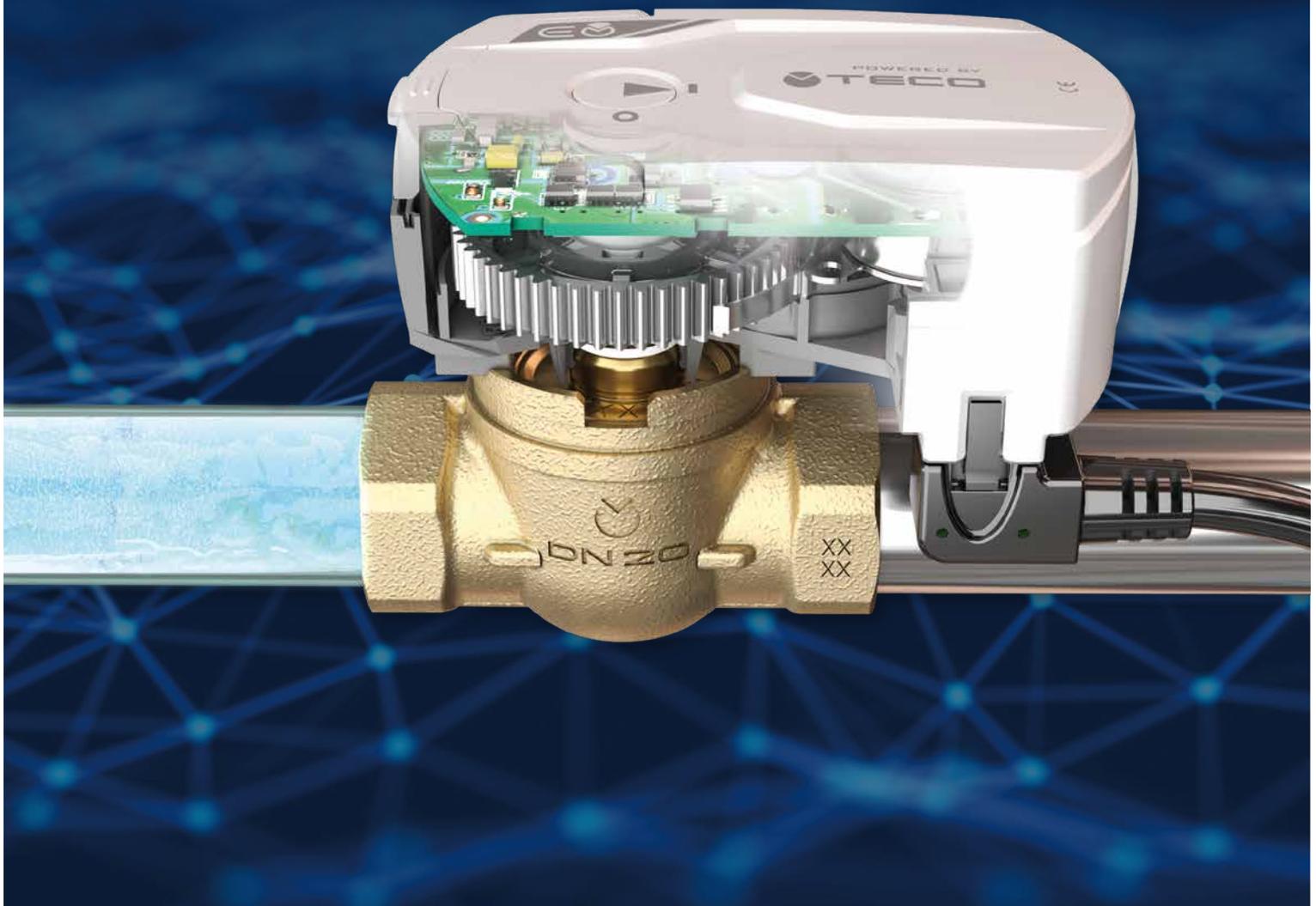
**T4**  
EREADY

TOP ENTRY BALL VALVE  
WITH OPTIONAL REMOTE CONTROL

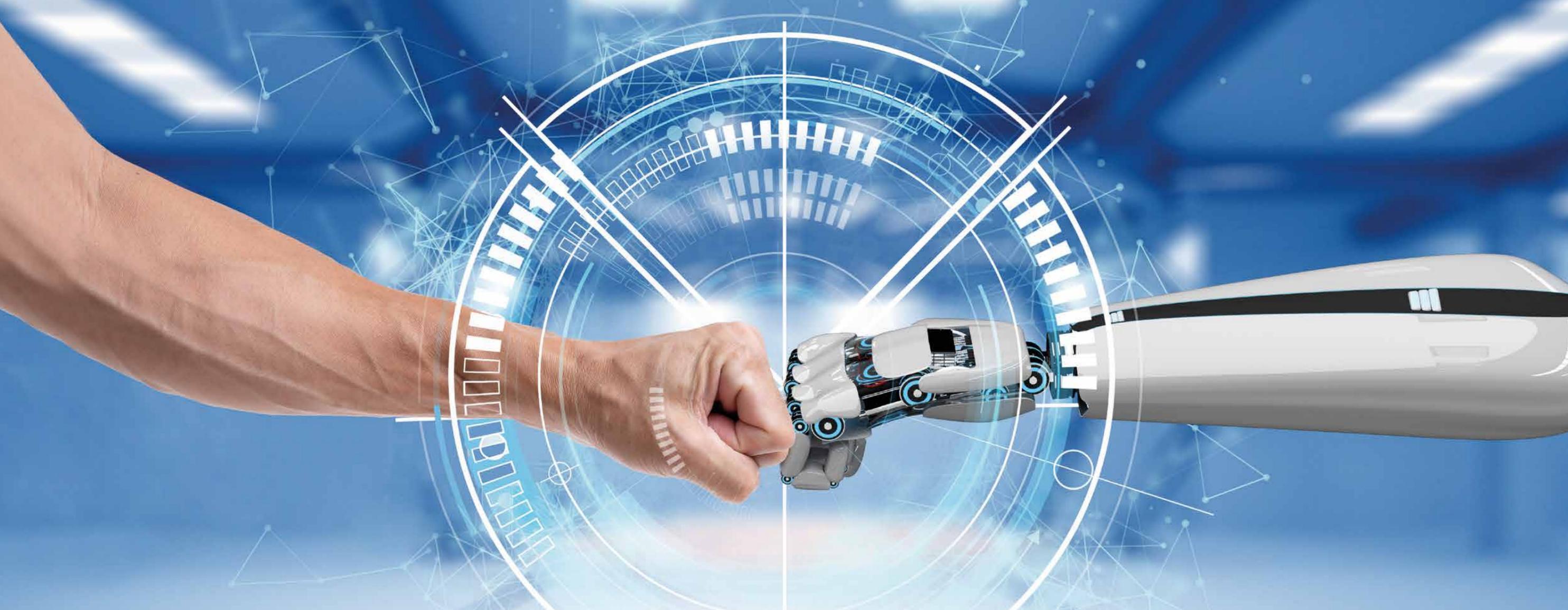
SHUT-OFF  
EVOLVES

NEWS

SERIES  
**E100**  
ELECTRIC MOTOR



 **TECO**<sup>®</sup>  
INNOVATING SAFETY



**T4**  
**E-READY**



**TOP ENTRY BALL VALVE  
WITH OPTIONAL REMOTE CONTROL**

**SERIES**  
**E100**



**ELECTRIC MOTOR**

## SHUT-OFF EVOLVES

**T4 E-READY** is the practical shut-off valve that guarantees functionality and safety. Versions available with threaded connections and with the **Fastec**® connection system, **T4 E-READY** can now be motorised by installing the **E100 Series** rotary motor for on/off ball valve control.

**T4 E-READY** is:

- **COMPACT:** due to the small size of the **E100 Series** valve and motor.
- **EASY TO INSTALL.**
- **READY FOR MAINTENANCE:** the **Top Entry**® shut-off unit is detachable and the **E100 Series** motor is easily removable.

**WITH T4 E-READY PRACTICE MEETS INNOVATION.**

# EFFICIENCY AND RELIABILITY

## 1 TOP ENTRY

Since 1987, the main feature of all TECO plumbing products is their removable ball.



## 2 SINGLE-PIECE BODY

The single-piece body makes **T4 E-READY** very strong, which is extremely important as it is the only element secured to the pipes. Compatibility of spare parts is guaranteed thanks to a single-piece body that has remained unchanged for 30 years.



### CERTIFIED QUALITY

For use in drinking water systems, the **T4 E-READY** valve is designed with construction features that prevent water stagnation and the development of microbial colonies (**DIN EN13828** and **DVGW W570**).

## 3 SOFT TURN

### MAXIMUM CONTROL

Like the whole range of Teco products dedicated to conveying water, the **T4 E-READY** valve is equipped with a shut-off assembly, which ensures a low operating torque that remains constant over time, known as “**Soft Turn**”. The combination of engineered polymer balls and specially designed seals ensures correct operation in the event of emergency or when carrying out maintenance on the system.

### BENEFITS

- The PPSU (engineered polymer) balls combined with the seals prevent adhesion of limescale and formation of deposits that could lead to jamming.
- Resistance to abrasion by impurities (sand).
- 100% compatible with drinking water.
- No water stagnation (**DVGW W570**).
- Chlorine resistant.



The benefit of a ball that guarantees perfect manoeuvrability and fluidity over time becomes even more significant when using the motorised **T4 E-READY** valve. The **E100 Series** motor is able to turn the ball easily, ensuring total reliability over time.

## 4 HIGH PERFORMANCE



TECO full port ball valves have a flow rate that complies with EN 806-2: Paragraph 6.1.

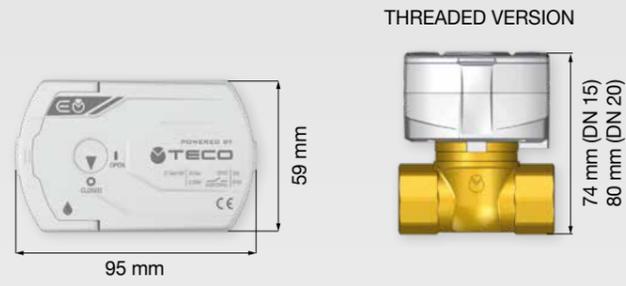
### BENEFITS

- They have a low pressure drop.
- They can replace screw valves, as recommended by **EN 806-2**.



# E104 MOTOR COMPACT AND FUNCTIONAL

The TECO **E104** motor features optimised size and performance. It is an extremely compact, energy-efficient, quiet, reliable motor that exploits the **Top Entry** valve with anti-jamming technology.



Compact size for safe, convenient and optimal installation even in small spaces.

## APPLICATION: WATER SYSTEMS

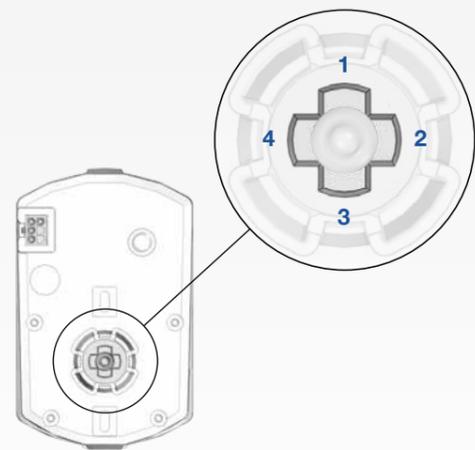
Code	Voltage	Description
E1045100	230V	230V motor micro 20s SPST microswitch with closed signal
E1046100	24V	24V motor micro 20s SPST microswitch with closed signal

## APPLICATION: HEATING

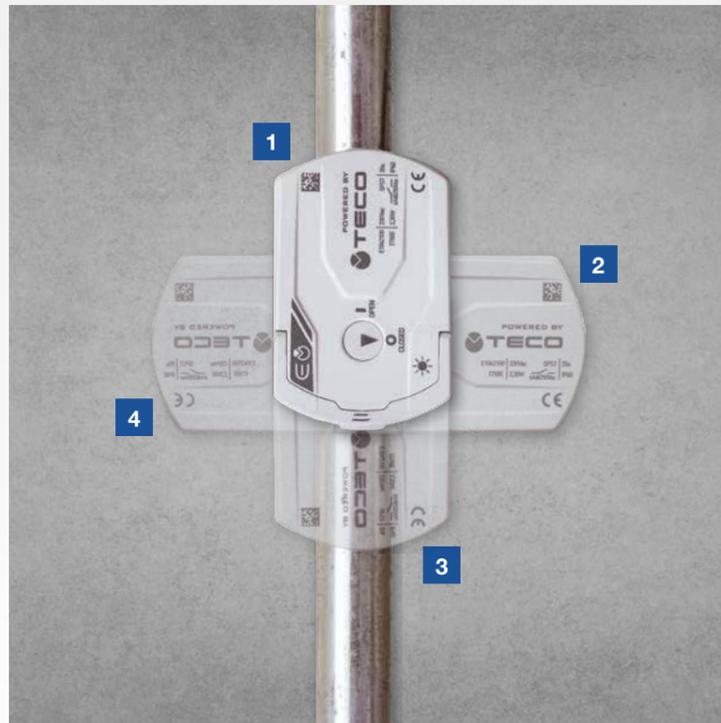
Code	Voltage	Description
E1042100	230V	230V motor micro 20s SPST microswitch with open signal
E1044100	24V	24V motor micro 20s SPST microswitch with open signal

## INSTALLATION POSSIBLE IN 4 POSITIONS

**E100** series motors can be mounted in any position, ensuring total installation flexibility.

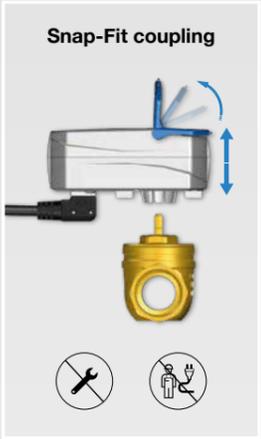


Rear side of the motor



## UPGRADE TO THE MOTORISED VERSION AT ANY TIME

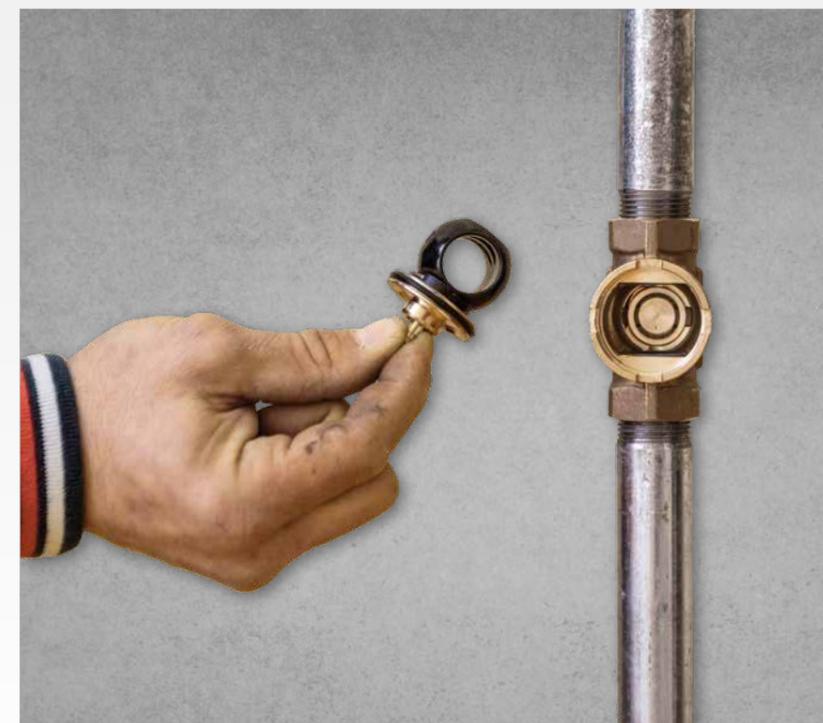
The choice to equip the **T4 E-READY** with an **E100 Series** electric motor can be made after installation. Once the mains connection is set up and the Molex connector is plugged into the motor, it can be mounted by hand using the Snap-Fit connection. The **E104** motor is easily inserted into its housing in a few simple steps, as shown in the adjacent images.



Instruction sheet

## FULL ACCESSIBILITY FOR MAINTENANCE

The **E100 Series** motor can be removed in just a few steps, without the need for tools. In this way, and thanks to the removable ball, it is easy to service the valve whenever necessary.



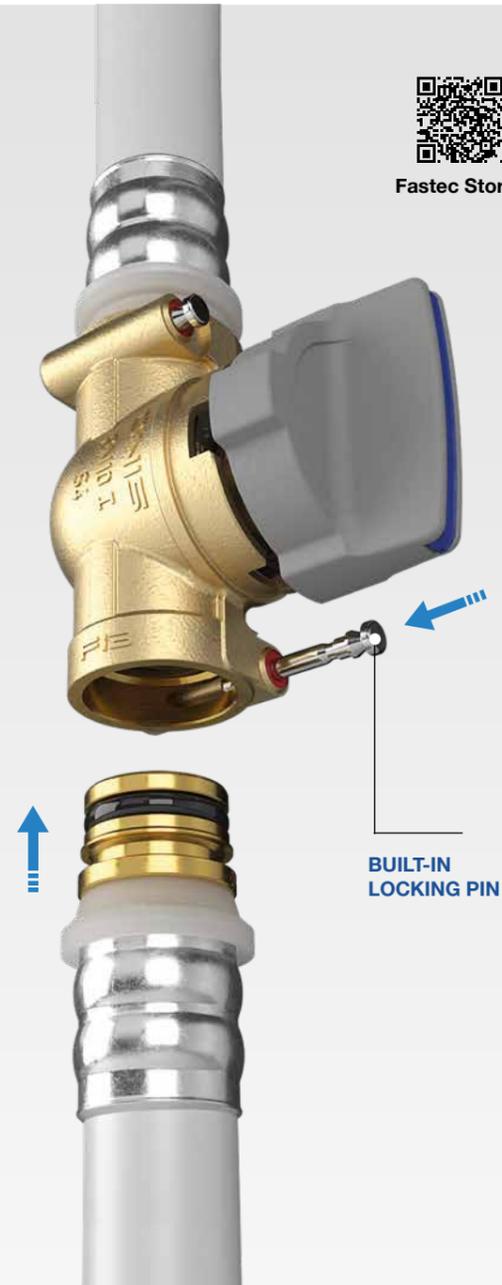
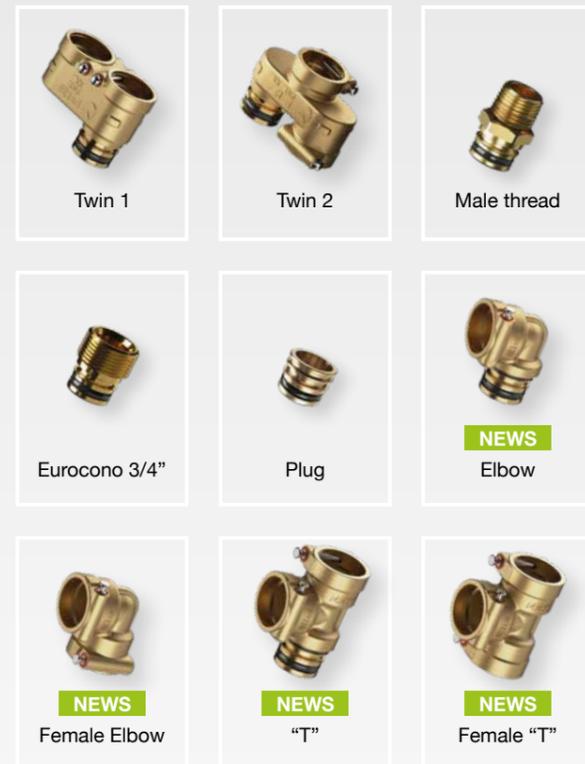
# FAST AND FLEXIBLE CONNECTION

## FASTEC®

### THE SIMPLE AND SAFE WATER CONNECTION.

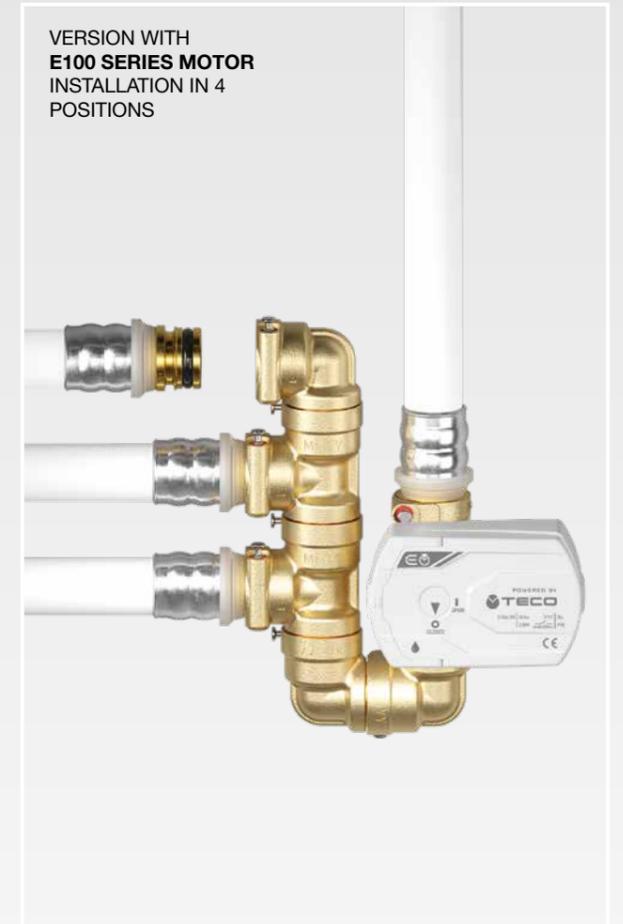
In addition to the threaded version, a **Fastec®** version of the **T4 E-READY** valve is also available. The **Fastec®** system has been designed by **TECO** with a locking pin and large-section O-ring to provide a reliable, fool-proof connection without tools. **Fastec®** has been the choice of the best system builders on the market for over 20 years.

#### FASTEC® ADAPTERS



### EXAMPLE OF CONFIGURATION WITH THE NEW FASTEC® FITTINGS

Configuration with **T4 E-READY** and **Fastec®** connection system adapters.

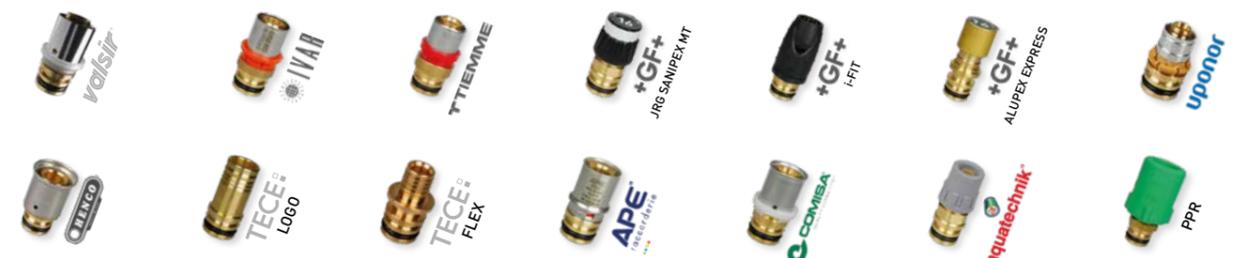


**Fastec®** is available in two different sizes: **F13** and **F14**

The F13 and F14 range of fittings covers pipe diameters from 16 mm to 32 mm, meeting every installation requirement from riser to specific utility.

Shut-off DN	Fitting Fastec®	Pipe Diameter
15	F13	16, 20, 25, 26 mm, 1/2"
20	F14	25, 26, 32 mm, 3/4"

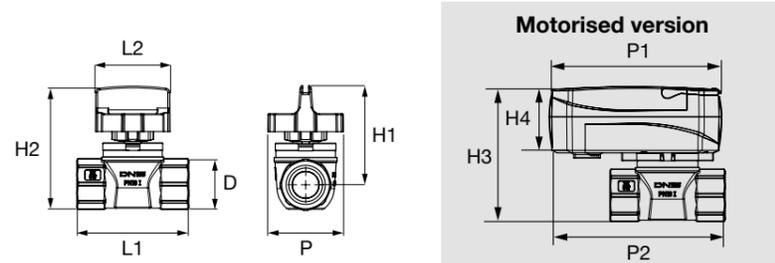
The **Fastec®** connection can be used with the main multilayer or pex pipe systems on the market, thanks to the availability of numerous fittings from original manufacturers.



# PRODUCT RANGE

## T4 E-READY - TOP ENTRY BALL VALVE WITH OPTIONAL REMOTE CONTROL

Fastec® fittings can be found in the ranges of domestic and heating water system manufacturers



	Code	DN	D	L1	L2	H1	H2	P	Pack	P1	P2	H3	H4
	T4P3271100	15	F13F	59	42	54	68	42	5	95	94	73	36
	T4P4271100	20	F14F	72	42	58	75	42	5	95	101	80	36
	T4P3211100	15	FF 1/2"	63	42	55	70	42	5	95	96	74	36
	T4P4211100	20	FF 3/4"	70	42	58	75	42	5	95	100	80	36

**Does not include:**  
Fittings, motor and cable

### Features

- Top Entry® with removable ball and brass body, compliant with DIN EN 13828 and with light Soft Turn® control.
- Closing and opening by manual handle or motorised with an E104 motor.

### Applications

- For hot and cold drinking water
- Domestic water systems
- Heating

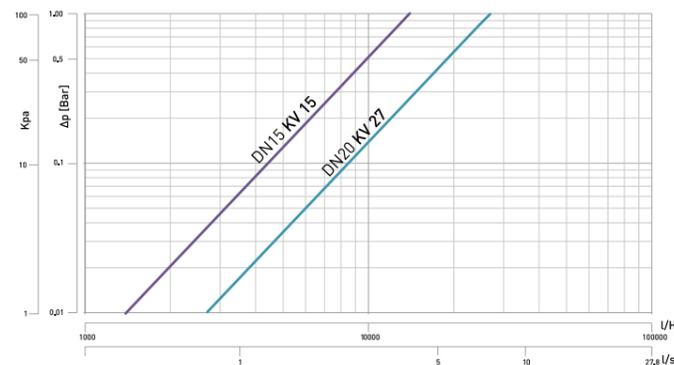
### MATERIAL

Body	CW617N Brass
Top-Entry ball	Engineered polymer

### TECHNICAL DATA

Connections	FASTEC®
Working pressure	PN10 (10 bar)
Temperature	0°C + 95°C
Standard and certification	DIN EN 13828 - (KTW-W270) DVGW W 570-1

### Flow loss diagram



### T4 E-READY



### Item specifications:

#### T4 E-READY Shut-off valve with optional motor

Top Entry shut-off valve with Top Entry removable ball and full flow that complies with the DIN EN13828 standard. Engineered polymer ball and Soft Turn anti-jamming seals for light control. Brass body. Operating pin compatible with mounting the ON-OFF electric motor with auxiliary microswitch in the version with open signal or in the version with safety feedback when the valve is closed.

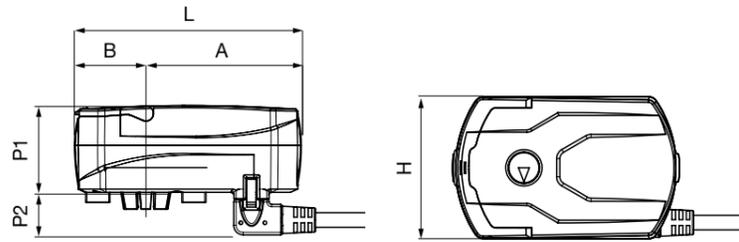
## FASTEC® ADAPTERS

Image	Design	Code	Description	D1	D2	Pack
		RF12210100	Elbow fitting	F13M	F13F	10
		RF22220100	Elbow fitting	F14M	F14F	10
		RF12210200	Female elbow fitting	F13M	F13F	10
		RF22220200	Female elbow fitting	F14M	F14F	10
		RF12310100	"T" fitting	F13M	F13F	10
		RF22320100	"T" fitting	F14M	F14F	10
		RF12310200	Female "T" fitting	F13M	F13F	10
		RF22320200	Female "T" fitting	F14M	F14F	10
		KA00F10001	TWIN 1 fitting	F13M	F13F	10
		KA00F10002	TWIN 2 fitting	F13M	F13F	10
		KA00K00003	1/2" male threaded fitting	F13M	F13F	10
		KA00K00009	3/4" male threaded fitting	F14M	F14F	10
		KA00K00004	3/4" Eurocono fitting	F13M	F13F	10
		KA00K00002	Plug	F13M	F13F	10
		KA00K00010	Plug	F14M	F14F	10

## E-READY ACCESSORIES AND SPARE PARTS

Image	Design	Code	Description	DN	Pack
	-	KA00K40011	E4 handle kit	-	1
		KRTCE415000	E4 Teco Control spare parts kit	15	1
		KRTCE420000	E4 Teco Control spare parts kit	20	1

**E100** SERIES  
E104 - ELECTRIC MOTOR



Appl.	Code	Voltage	Auxiliary microswitch	L	H	P1	P2	A	B	Pack
☰	E1045100	230V	Switching when closed	95	59	36	18	65	30	1
☰	E1046100	24V	Switching when closed	95	59	36	18	65	30	1
☀	E1042100	230V	Switching when open	95	59	36	18	65	30	1
☀	E1044100	24V	Switching when open	95	59	36	18	65	30	1

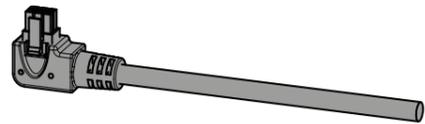
**Includes:**  
Cable (1 m)

**Features**

- Energy-efficient electric stepper motor.
- Four different models available to meet different needs during use (domestic or heating systems / connection to home automation system or switch operation).
- Fast assembly and disassembly thanks to the Snap-Fit coupling and Molex Microfit connector.

**Optional accessory**

Kit of 6P X 3M cable + CN. MICROFIT



Code	L	Pack
KA00K00014	3 m	1

**Applications**

- ☰ Domestic water systems
- ☀ Heating

**Safety**

IP rating 40 CEI EN 60529-1997

Insulation class Class II equipment according to IEC 61140 (double insulation without earth conductor)

**Operation**

Actuation time [s]	20	
Auxiliary microswitch with 3-wire output (applications)	Maximum current	6A @ 250Vac for resistive loads
6-pole power cable	Length	1 M
	Connector	Molex Micro-Fit JR 2x3
Operating temperature and humidity	Environment	-30-50 °C @ 95% non-condensing
	Fluid	65°C continuous with 90°C peaks respecting the ambient temperature constraints
Regulatory compliance	EN 60730-1	Automatic electrical control devices for domestic use and similar
	2014/30/EU EN 61000-6-4	Electromagnetic compatibility

**Wiring diagram**



**Item specifications:**

**E104 electric motor**

Compact, silent, low-consumption electric stepper motor with ON-OFF function and auxiliary microswitch in the version with open signal (heating), or the version with safety feedback when the valve is closed (domestic water).  
Fast assembly and disassembly thanks to the Snap-fit connection and Microfit Molex connector.  
Ambient temperature -30/+50°C

OTHER PRODUCTS OF THE  
**E**READY SERIES

**K4CC**  
EREADY



**Compact flush-mounting metering kit for domestic water with optional remote control**



**K4.1**  
EREADY



**Flush-mounting single shut-off valve with optional remote control**







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