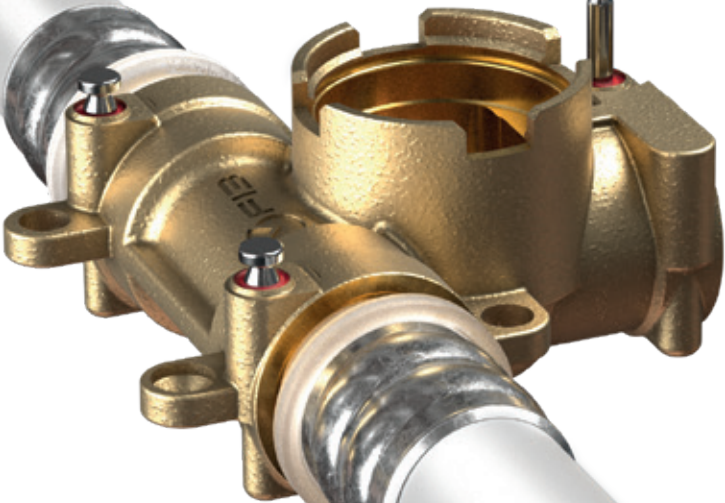


"TOP ENTRY" BALL VALVE WITH OPTIONAL MOTOR

T4€

READY FOR EASY MOTOR INSTALLATION
"SOFT TURN" ANTI-JAMMING TECHNOLOGY
"TOP ENTRY" REMOVABLE BALL
COMPACT



BALL VALVES

APPLICATIONS

- For hot and cold drinking water.
- For cooling and heating water with or without antifreeze.
- HVAC systems.
- Compressed air systems.
- Vacuum packing.

TECHNICAL DATA

Temperature	+5 °C ÷ +95 °C
Pressure	PN 10 (10 bar)
Connections	Fastec EN 10226-1 R/Rp thread
Reference standards	DIN EN 13828 W570-1 KTW-BWGL ACS PZH



Patented

FEATURES OF VALVES WITH OPTIONAL MOTORS

- **"Soft Turn"** anti-jamming valves ensure jam-free operation even after long periods of inactivity without the need for periodic activation.
- Full flow valve, with **"Top Entry"** removable ball.
- **Extremely compact dimensions.** Ideal for installations in tight spaces.
- Different connection types: **FASTEC®** and threaded.

ACTUATOR FEATURES

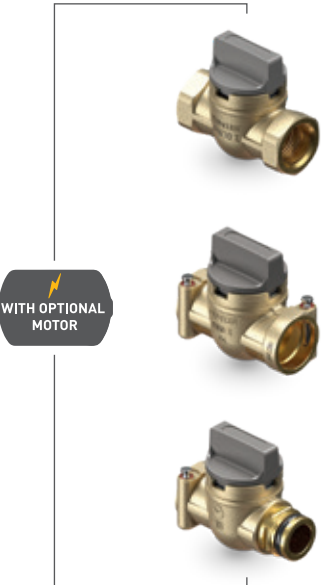
- **€100 ON/OFF electric actuator** can be applied to ball valves with **"Top Entry"** and **"Soft Turn"** anti-jamming technology.
- **Simple installation** with the **Snap Fit** system.
- **Auxiliary microswitch** to indicate the valve open and closed positions (zone valve).
- Quick actuator electrical connection thanks to the **Molex Micro-Fit connector**.
- **Stepper motor** that is quiet and reliable with low energy consumption.
- 4 installation positions.

"TOP ENTRY" BALL VALVE WITH OPTIONAL MOTOR



FIND OUT MORE

T4 € "Top Entry" STRAIGHT ball valve with optional motor



WITH OPTIONAL MOTOR

Includes:

- 1 "Top Entry" ball valve with removable ball and "Soft Turn"
- Control handle

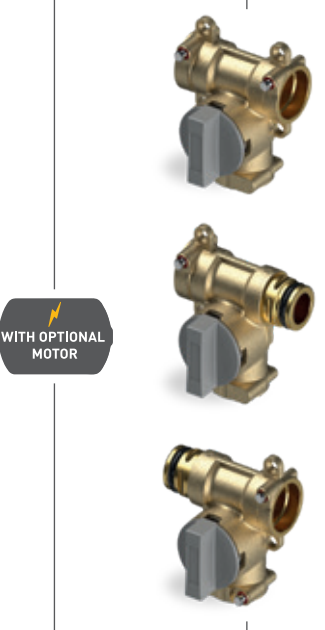
Does not include:

- €100 electric actuator (opposite page)
- Fastec fittings (page 86)

Code	DN	Connections	Kv*	Pack
		Threaded		
T4P3211100	DN15	Rp 1/2" F / F	15	5
T4P4211100	DN20	Rp 3/4" F / F	27	5
		FASTEC®		
T4P3271100	DN15	F13 F / F	15	10
T4P4271100	DN20	F14 F / F	27	10
T4P3272100	DN15	F13 F / M	15	10
		See page 86		

* The coefficient Kv defines the water flow (in m³/h from 5 °C to 40 °C) through a valve with a differential pressure of 1 bar.

T4 € "Top Entry" ball valve, Fastec® "T" version



WITH OPTIONAL MOTOR

Includes:

- 1 "Top Entry" ball valve with removable ball and "Soft Turn"
- Control handle

Does not include:

- €100 electric actuator (opposite page)
- Fastec fittings (page 86)

Code	DN	Connections	Kv*	Pack
		FASTEC®		
T4P32C1100	DN15	F13 F / F / F	5.8	10
T4P32C2100	DN15	F13 F / F / M	5.8	10
T4P32C3100	DN15	F13 M / F / F	5.8	10
		See page 86		

* The coefficient Kv defines the water flow (in m³/h from 5 °C to 40 °C) through a valve with a differential pressure of 1 bar.

Spare parts for T4 €, straight and T version with optional motor

See page 171 or visit the website for all product information.



€100 ON/OFF electric actuator

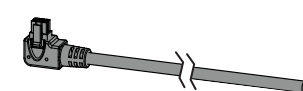


Includes:

- €100 ON/OFF electric actuator
- 1.25 m cable with Molex Micro-Fit connector

Code	Voltage	Auxiliary microswitch position	Pack
E1045100	AC 110 – 230 V	With valve closed	1
E1046100	AC/DC 24 V		
Code	Voltage	Auxiliary microswitch position	Pack
E1042100	AC 110 – 230 V	With valve open (zone valve)	1
E1044100	AC/DC 24 V		

Optional 3 metre cable for €100 electric actuator

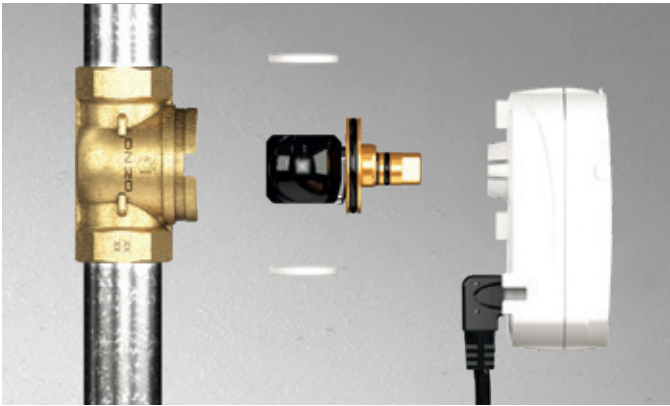


Code	Description	Pack
KA00K00014	Kit of 6P X 3M cable + Micro-Fit connector	1

"Soft Turn" anti-jamming valve

MAXIMUM CONTROL

"Top Entry" ball valves with optional motor and removable ball have "Soft Turn" anti-jamming technology to ensure jam-free operation even after long periods of inactivity without the need for periodic activation. The combination of the engineered polymer valve ball and specially designed seals prevents jamming.



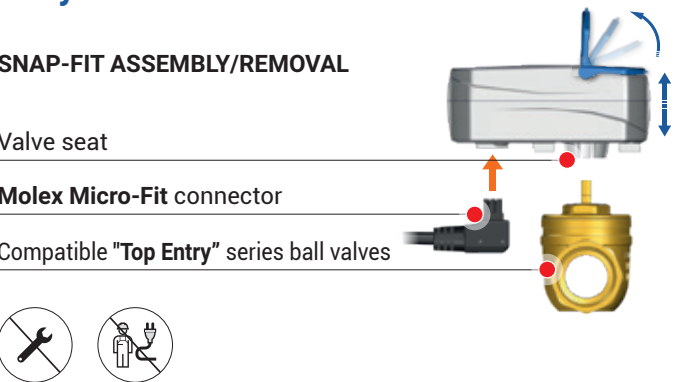
Easy to install

SNAP-FIT ASSEMBLY/REMOVAL

Valve seat

Molex Micro-Fit connector

Compatible "Top Entry" series ball valves



Can be installed in 4 positions



FASTEC ADAPTERS AND FITTINGS
FOR "TOP ENTRY" BALL VALVE WITH OPTIONAL MOTOR



Fastec adapters and fittings for T4 € valve

Fastec Fittings

	Code	Description	Pack
	RF12210200	F13 90° F / F	10
	RF22220200	F14 90° F / F	10
	RF12210100	F13 90° M / F	10
	RF22220100	F14 90° M / F	10
	RF12310200	F13 T F / F / F	5
	RF22320200	F14 T F / F / F	5
	RF12310100	F13 T M / F / F	5
	RF22320100	F14 T M / F / F	5
	RF12110200	Sleeve F13 F / F	10
	RF22120100	Sleeve F14 F / F	10
	KA00K00008	F13 Nipple M / M	10
	KA00K00017	F14 Nipple M / M	10
	KA00F10001	Dual joint Twin F13 F / F / M	5
	KA00K00016	F13 Plug F	10
	KA00K00018	F14 Plug F	10
	KA00K00002	F13 Plug M	20
	KA00K00010	F14 Plug M	10
	RF12101100	Reducer from F14 F → F13 M	10
	RF12110400	F13 M L. 25 mm	10
	RF12110500	F13 M L. 50 mm	10
	RF12110600	F13 M L. 75 mm	8

Threaded fittings

	Code	Description	Pack
	KA00K00003	F13 M x R 1/2"	10
	KA00K00013	F13 M x R 3/4"	10
	KA00K00009	F14 M x R 3/4"	10
	KA00K00019	F14 M x R 1"	10
	RF12101000	F13 M x Rp 1/2"	10
	RF12111000	F13 M x Rp 3/4"	10
	RF12120100	F14 M x Rp 3/4"	10
	RF12120200	F14 M x Rp 1"	10
	KA00K00004	EUROKONUS F13 M x EK 3/4"	10
	RF122F0100	F13 M 90° x R 1/2"	10
	RF122F0200	F13 M 90° x Rp 1/2"	10
	RF12110900	SWIVEL NUT FLAT SEAL WITH O-RING F13 M x G 3/4"	10

R (male) and Rp (female) threaded connections in accordance with EN 10226-1 and G threaded connections in accordance with ISO 228-1.

Fittings for PEX pipes

	Code	Pipe Ø x Thickness	Pack
	RF12100100	F13 M 16 x 1.8	10
	RF12100200	F13 M 20 x 1.5	10
	RF12100300	F13 M 25 x 2.3	5
	RF13M1210301	F13 M 12 x 1.1	10
	RF13M1610301	F13 M 16 x 1.5	10
	RF13M2010301	F13 M 20 x 1.9	10
	RF13M1210401	F13 M 12 x 1.1	10
	RF13M1610401	F13 M 16 x 1.5	10
	RF13M2010401	F13 M 20 x 1.9	10

Fittings for multi-layer pipes

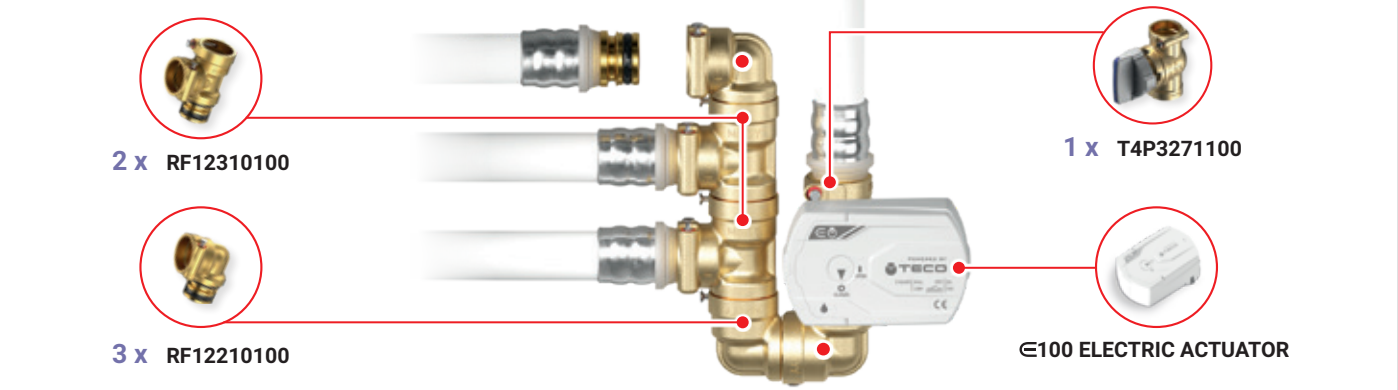
	Code	Pipe Ø x Thickness	Pack
	RF13M16101VA	F13 M 16 x 2.0	10
	RF13M16102VA	F13 M 16 x 2.25	10
	RF13M20101VA	F13 M 20 x 2.0	10
	RF13M20102VA	F13 M 20 x 2.5	10
	RF13M26101VA	F13 M 26 x 3.0	5
	RF14M26101VA	F14 M 26 x 3.0	5
	RF14M32101VA	F14 M 32 x 3.0	5
	1651039	F13 M 16 x 2.0	10
	1651040	F13 M 20 x 2.0	10
	1651041	F13 M 26 x 3.0	5

	Code	Pipe Ø x Thickness	Pack
	511115MP	F13 M 16 x 2.0	5
	511116MP	F13 M 16 x 2.25	5
	511118MP	F13 M 20 x 2.0	5
	511119MP	F13 M 20 x 2.25	5
	511120MP	F13 M 20 x 2.5	5
	511121MP	F13 M 25 x 2.5	5
	511122MP	F13 M 26 x 3.0	5
	39342	F13 M 16 x 2.0	10
	39344	F13 M 20 x 2.0	10

F13 Fittings with FASTEC connection available in manufacturers' catalogues

						
COMISA PRESS	HENCO	APE	ALUPEX EXPRESS	JRG SANIPEX MT	LOGO	TECE
Pipe Ø 16-20	Pipe Ø 16-20-26	Pipe Ø 16-20-26	Pipe Ø 16-20	Pipe Ø 16-20	Pipe Ø 20	Pipe Ø 16-20-25

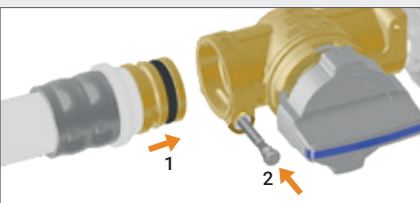
Fastec application examples



FASTEC®
THE FAST AND SECURE PLUMBING CONNECTION

Plumbing connection with pin locking (page 6).

- F13** DN 15 Equivalent to 1/2"
- F14** DN 20 Equivalent to 3/4"



1. Insert the fitting with the pin raised.
2. Lower the locking pin to complete the connection.