K4 SERIES

PRE-ASSEMBLED FLUSH-MOUNTING MODULAR WATER DISTRIBUTION SYSTEM

K4 SERIES

VALVES

PAGE **18**

MANIFOLDS
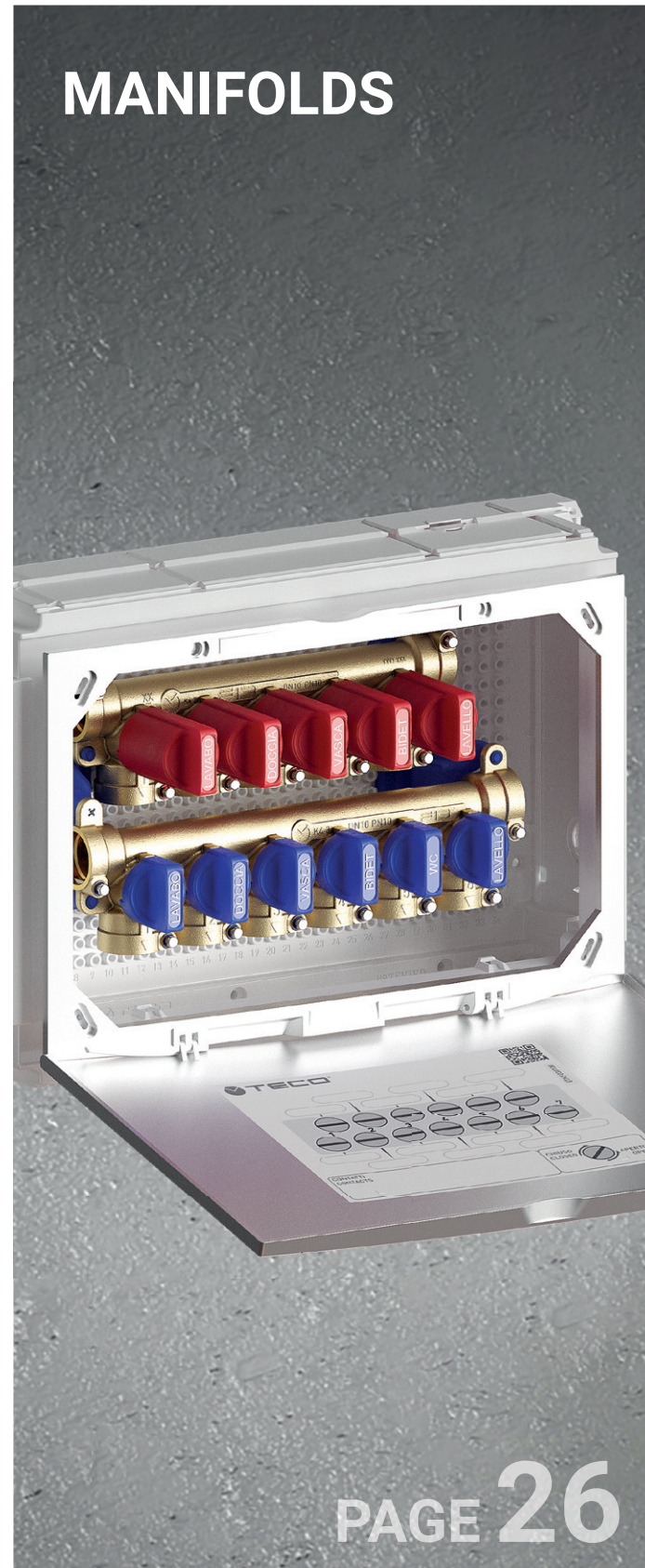
PAGE **26**

METERS

PAGE **40**

K4 SERIES
The TECO flush-mounting modular system

Pre-assembled versions

The K4 Series flush-mounting system distributes hot and cold water, while raising technical and aesthetic standards.

IT IS equipped with **"Top Entry" full flow valves with removable ball and anti-jamming 'Soft Turn' technology**.

These features ensure optimal operation even after long periods of inactivity without the need for periodic activation.

Its compact structure allows installation in any location to satisfy a variety of system requirements.

The design doors with **magnetic closure**, available in a range of colours and finishes ensure that the K4 series products lend seamlessly with the surroundings and furnishings.

Products with optional motors allow remote water shut-off and metering, thanks to the inclusion of the ∈100 **Series motor**, which is silent, efficient and small in size.

COMPACT FLUSH-MOUNTING SHUT-OFF KIT

K4.0 - K4.1 - K4 ∈

FLUSH-MOUNTING
PRACTICAL TO INSTALL
"SOFT TURN" ANTI-JAMMING TECHNOLOGY
"TOP ENTRY" REMOVABLE BALL

FIND OUT MORE

K4.0
With dual shut-off valve

K4 ∈
With ∈100 electric actuator

APPLICATIONS

- For hot and cold drinking water.
- For cooling and heating water with or without antifreeze.
- Suitable for installation in masonry and plasterboard constructions **(minimum thickness 85 mm for DN15 version and 100 mm for DN20 version).**

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

DVGW CERT **Patented**

FEATURES

- **Compact flush-mounting shut-off valve kit**.
- DN15-DN20 **"Top Entry"** valve with removable ball and **"Soft Turn" anti-jamming** technology to ensure jam-free operation even after long periods of inactivity without the need for periodic activation.
- Version with ∈100 **optional electric actuator motor** (for K4 ∈ only).
- Pre-assembled in a serviceable **sandwich box** with knock-outs on all four sides.
- **Design faceplate with magnetic closure**, available in a range of finishes.
- Threaded or fast system connection versions FASTEC®

K4.0 - K4.1 - K4 ∈
COMPACT FLUSH-MOUNTING METERING KIT

FIND OUT MORE

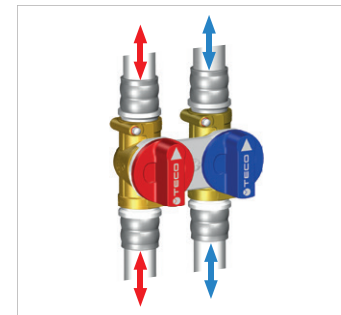### K4.0 Kit with dual flush-mounting shut-off valve

Includes:
- 2 valves with removable balls
- Box 215 x 135 x 75 mm for the DN15 version
- Box 215 x 135 x 85 mm for the DN20 version
- Fixing bracket
- Site protection cover
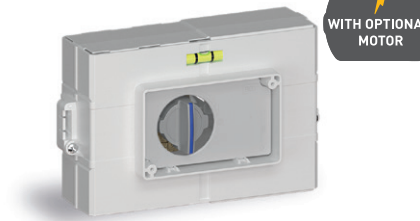
⚠ Does not include:
- Cover door B03
- Fastec fittings (page 22)

| Code | DN | Connections | | Pack |
		FASTEC®	Threaded	
K400BF10100	DN15	F13	-	5
K400B110100	DN15	-	Rp 1/2"	5
K400BE10100	DN15	-	EUROKONUS 3/4"	5
K400BF30100	DN20	F14	-	5
K400B110200	DN20	-	Rp 3/4"	5
		See page 22		

K4.1 Single shut-off kit with "U" inlet and outlet

Includes:
- 1 valve with removable ball
- Box 155 x 115 x 75 mm
- Fixing bracket
- Site protection cover

⚠ Does not include:
- Cover door B03
- Fastec fittings (page 22)

| Code | DN | Connections | | Pack |
		FASTEC®	Threaded	
K401BF10100	DN15	F13	-	10
K401BE10100	DN15	-	EUROKONUS 3/4"	10
K401BF30100	DN20	F14	-	5
		See page 22		

Adapter for flat seal fittings for K4.0 and K4.1 valves

Code	Description	Pack
AP004003	Adapter for **TECO** flat seal fittings EK-TP	10

Fitting for multi-layer composite pipe with **EUROKONUS 3/4" SWIVEL NUT connection, not supplied by TECO**.

EUROKONUS 3/4"   G 3/4"

K4 ∈ Single shut-off kit with valve for optional motor.
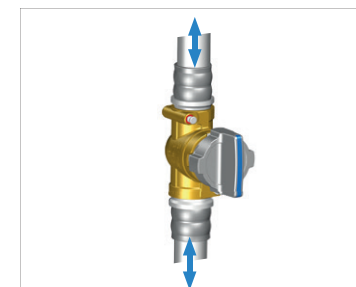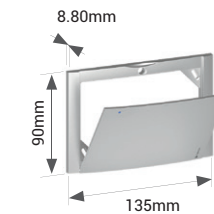
WITH OPTIONAL MOTOR

Includes:
- 1 valve with removable ball and control knob for optional motor
- Box 205 x 135 x 75 mm for the DN15 version
- Box 205 x 135 x 85 mm for the DN20 version
- Fixing bracket
- Site protection cover

⚠ Does not include:
- Cover door B03
- Fastec fittings (page 22)
- ∈100 electric actuator (page 24)

| Code | DN | Connections | Pack |
		FASTEC®	
K401BF10300	DN15	F13	5
K401BF30200	DN20	F14	5
		See page 22	

B03 Faceplate with magnetic closure for **K4.0, K4.1 e K4 ∈**

8.80mm
90mm
135mm

Includes:
- Fixing screws

Code	Finish		Pack
KPLB0301600		White	10
KPLB0301M00		Polished chrome	5
KPLB0301800		Silver	5
KPLB0301A00		Black Soft Touch	5

Spare parts for K4.0, K4.1 e K4 ∈

FASTEC ADAPTERS AND FITTINGS
FOR K4.0, K4.1 AND K4 ∈ COMPACT FLUSH-MOUNTING SHUT-OFF KIT

FIND OUT MORE

Fastec adapters and fittings for K4.0, K4.1 and K4 ∈

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
KA00F10001	F13	Dual joint Twin F / F / M		5

Code		Description		Pack
KA00K00008	F13	Nipple	M / M	10
KA00K00017	F14	Nipple	M / M	10
KA00K00002	F13	Plug	M	20
KA00K00010	F14	Plug	M	10
RF12110400	F13	M	L. 25 mm	10
RF12110500	F13	M	L. 50 mm	10
RF12110600	F13	M	L. 75 mm	8

Barrel nut

L

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
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 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
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
1651039	F13	M 16 x 2.0	10
1651040	F13	M 20 x 2.0	10
1651041	F13	M 26 x 3.0	5
39342	F13	M 16 x 2.0	10
39344	F13	M 20 x 2.0	10

valsir PEXAL BRASS

IVAR MULTI•PRESS

TIEMME 1650 SERIES

aquatechnik SAFETY

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

EXPANSION RING

AXIAL CRIMP

RADIAL CRIMP

Fittings with FASTEC connection available in manufacturers' catalogues

F13

COMISA PRESS	HENCO	APE AP SERIES
Pipe Ø 16-20	Pipe Ø 16-20-26	Pipe Ø 16-20-26

+GF+		TECE
ALUPEX EXPRESS	JRG SANIPEX MT	LOGO	FLEX
Pipe Ø 16-20	Pipe Ø 16-20	Pipe Ø 20	Pipe Ø 16-20-25

Fastec application examples

1 x RF12210100

2 x RF12310100

1 x KA00F10001

4 x RF12210100

Compositions that can be made with products from the Fastec range: adapters and fittings for multi-layer pipe (see opposite page).
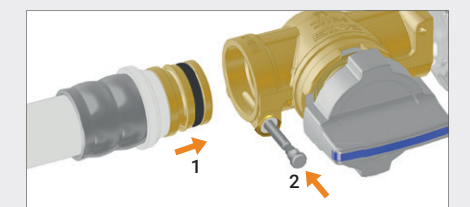
Tight spaces: The new design of the K4.0 allows for inlets from below or above within the box.

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

2

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

∈100 ON/OFF ELECTRIC ACTUATOR
FOR K4 ∈ SINGLE SHUT-OFF KIT

FIND OUT MORE

∈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 50-60 Hz	With valve closed	1
E1046100	AC/DC 24 V 50-60 Hz		
E1042100	AC 110 ÷ 230 V 50-60 Hz	With valve open (zone valve)	1
E1044100	AC/DC 24 V 50-60 Hz		

Optional 3 metre cable for ∈100 electric actuator
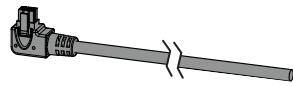
Code	Description	Pack
KA00K00014	Kit of 6P X 3M cable + Micro-Fit connector	1

INSTALLATION EXAMPLE OF ∈100 ELECTRIC ACTUATOR WITH K4 ∈ VALVE

WITH OPTIONAL MOTOR

Once the electrical connection has been made, the valve can be motorised using the ∈100 **electric actuator**, optimised by TECO in terms of size, low consumption and quietness.
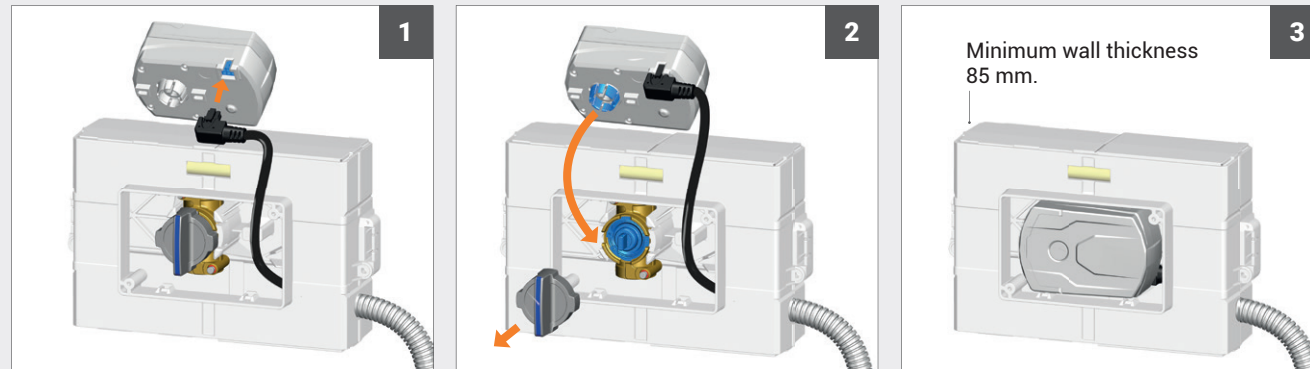
1 Insert the cable provided with the connector into the ∈100 electric actuator.

2 Remove the handle and insert the ∈100 electric actuator into the valve seat with light pressure.

3 Minimum wall thickness 85 mm.

∈100 electric actuator installed and ready to operate.

ℹ **See page 96**

75 mm (DN 15)
85 mm (DN 20)

PLASTERBOARD

90 mm

135 mm

MASONRY

Brickwork 80 mm
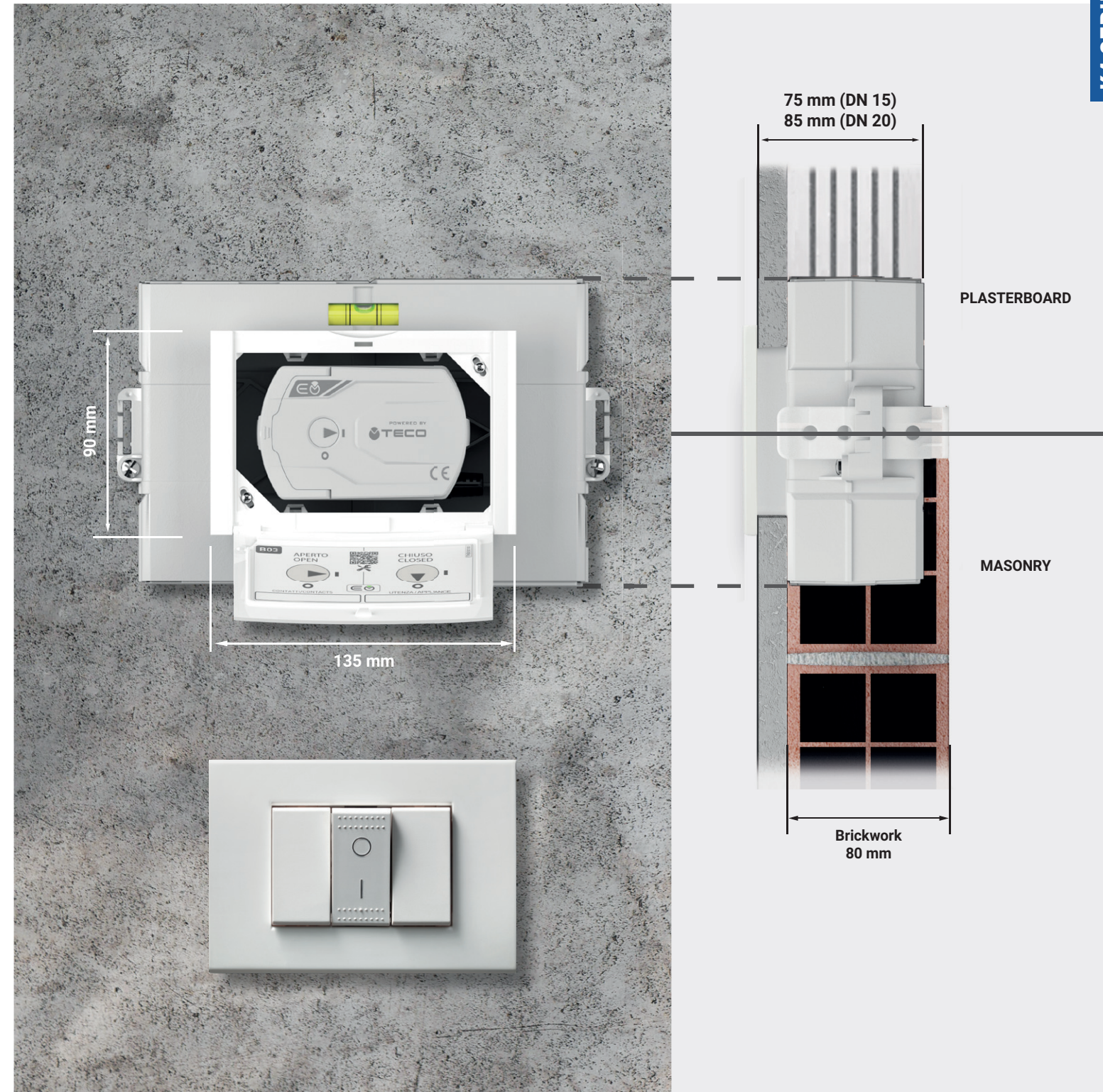
FLUSH-MOUNTING MULTIPLE SHUT-OFF DOMESTIC WATER MANIFOLD KIT

K4.3

**FLUSH-MOUNTING
PRACTICAL TO INSTALL
"SOFT TURN" ANTI-JAMMING TECHNOLOGY
"TOP ENTRY" REMOVABLE BALL**

FIND OUT MORE

K4.3
7+6 outlet manifold kit with two T4 DN15 **T**-valves built in

K4.3
5+4 outlet manifold kit

APPLICATIONS

- For hot and cold drinking water.
- For cooling and heating water with or without antifreeze.
- Suitable for installation in masonry and plasterboard constructions **(minimum thickness 100 mm).**

TECHNICAL DATA

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

DVGW CERT **Patented**

FEATURES

- **Compact flush-mounting domestic water distribution manifold kit.**
- Shut-off valves on the individual outlets.
- DN10 **"Top Entry"** valve with removable ball and **"Soft Turn" anti-jamming** technology, even after long periods of inactivity without the need for periodic activation.
- Different configurations **up to 7 cold water + 6 hot water outlets**.
- **Pre-assembled in a serviceable sandwich box** with knock-outs on all four sides.
- **Design faceplate with magnetic closure** available in a range of finishes.
- Identification of utilities with stickers to be applied to the control handle or inside the faceplate.
- Fast system connections **FASTEC®**

TECO

K4.3 FLUSH-MOUNTING MULTIPLE SHUT-OFF DOMESTIC MANIFOLD KIT

FIND OUT MORE

K4.3 flush-mounting multiple shut-off domestic manifold kit with 4+3 and 5+4 outlets   D03

Includes:
- 2 DN15 manifolds with DN10 individual shut-off valves
- Box 310 x 210 x 85 mm
- Fixing bracket
- Site protection cover
- Stickers for utility identification

⚠️ **Does not include:**
- Cover flap D03 (see below)
- Fastec fittings (page 32)

NEW DESIGN

Kit code	Outlets cold	Outlets hot	Connections FASTEC®	Pack
K403DF10200	4	3	F13	5
K403DF10100	5	4	F13	5

See page 32

Application examples

Inlet from below or above

KA00K00002

RF12210100

Tight spaces:
The new design of the K4.3 allows for inlets from below or above within the box.

Downward recirculation configuration
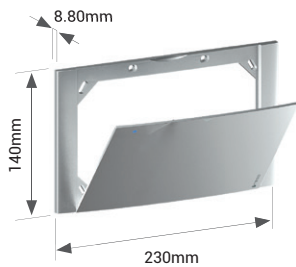
RF12210100

KA00F10001

D03   Faceplate with magnetic closure for K4.3

8.80mm
140mm
230mm

Includes:
- Fixing screws

Code	Finish	Pack
KPLD0301600	White	5
KPLD0301M00	Polished chrome	1
KPLD0301800	Silver	1
KPLD0301A00	Black Soft Touch	1

K4.3 FLUSH-MOUNTING MULTIPLE SHUT-OFF DOMESTIC MANIFOLD KIT

FIND OUT MORE
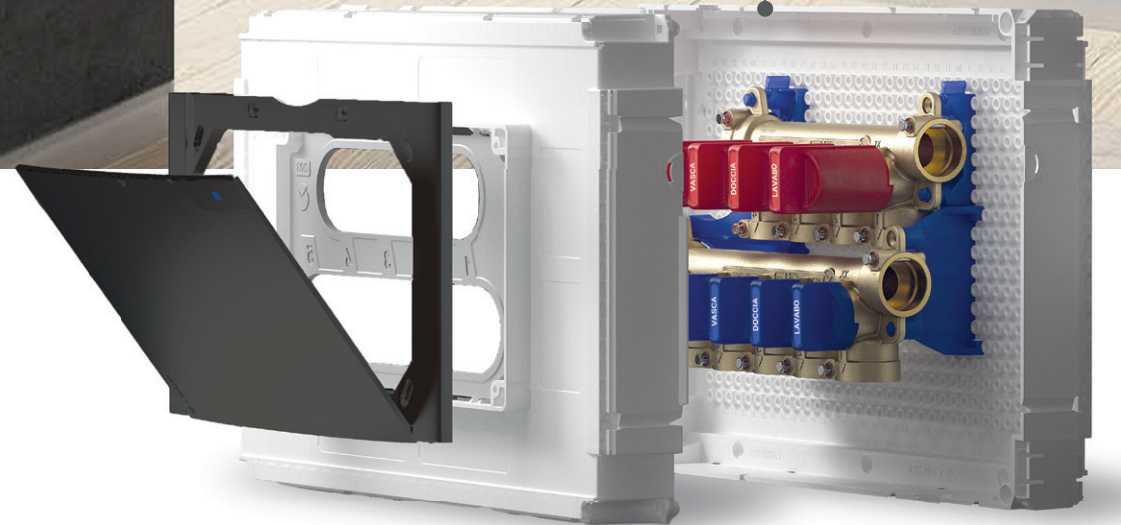
K4.3 flush-mounting multiple shut-off domestic manifold kit with 5+4 and 6+5 outlets E03
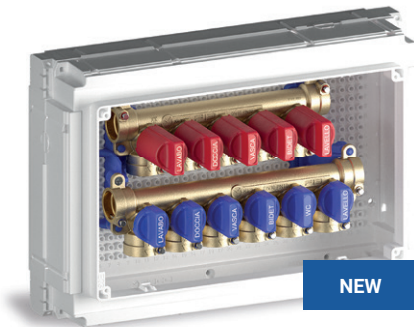
NEW

Includes:
- 2 DN15 manifolds with DN10 individual shut-off valves
- Box 310 x 210 x 85 mm
- Fixing bracket
- Site protection cover
- Stickers for utility identification

⚠ **Does not include:**
- Cover flap E03 (see below)
- Fastec fittings (page 32)

Kit code	Outlets cold	Outlets hot	Connections FASTEC®	Pack
K403EF10300	5	4	F13	5
K403EF10100	6	5	F13	5
			See page 32	

Valves

Code	DN	Connections FASTEC®	Kv *	Pack
T4P12C2100 ***	DN10	F13 F / F / M	4.0	5
T4P32C2100 **	DN15	F13 F / F / M	5.8	10
T4P32C3100 **	DN15	F13 M / F / F	5.8	10
		See page 32		

* The coefficient Kv defines the water flow (in m^3/h from 5 °C to 40 °C) through a valve with a differential pressure of 1 bar.

** For main shut-off.

*** For extending K4.3 manifold utilities.

E03 Faceplate with magnetic closure for K4.3

NEW

8.80mm

185mm

290mm

Includes:
- Fixing screws

Code	Finish	Pack
KPLE0301600	White	5
KPLE0301M00	Polished chrome	1
KPLE0301800	Silver	1
KPLE0301A00	Black Soft Touch	1

TECO

UTILITY EXTENSION possible combinations with K4.3 manifold up to 7+6 outlets

Applications for **6+5 and 5+4** manifolds can be customised by integrating the **FASTEC T-valve**.

T4P12C2100
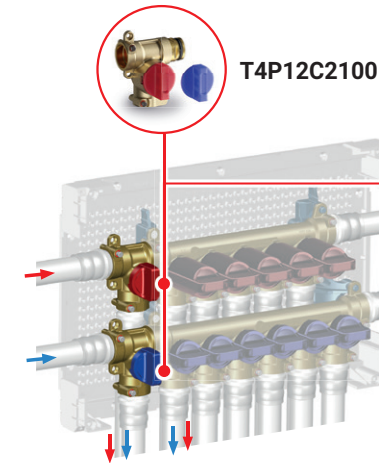
Possible combinations with **K403EF10100** 6+5 outlet manifold

No. of additional T-valves	Outlets cold	Outlets hot
x2	7	6
x1	6	6
x1	7	5

Possible combinations with **K403EF10300** 5+4 outlet manifold

No. of additional T-valves	Outlets cold	Outlets hot
x1	6	4
x1	5	5

Application examples for K4.3 6+5 manifold with FASTEC T4 T valve DN15 Kv 5,8

The **T T4 DN15** valve can be used as a **main shut-off (Example A)**, or to convert a 6+5 manifold into **7+6 with a higher flow rate outlet (Example B)**.

A

B

KA00K00002

T4P32C2100
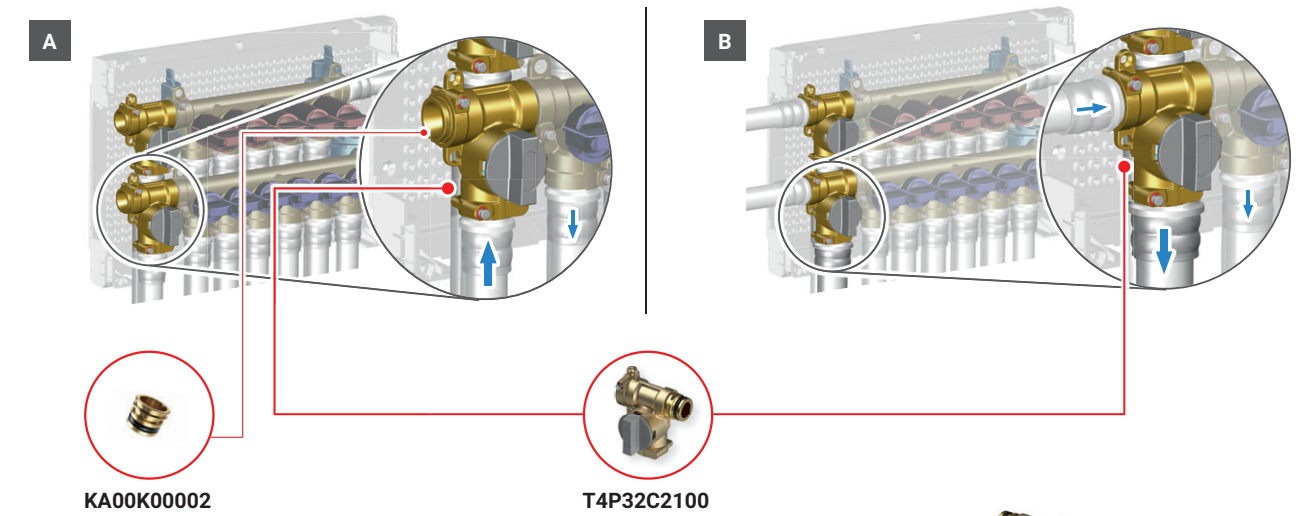
When right general shut-off is needed, use T4P32C3100 valve. In this case, disassemble the manifold and move it inside the BOX.

T4P32C3100
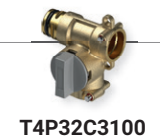
Spare parts for K4.3

See page 164, or visit the website for all product information.

FASTEC ADAPTERS AND FITTINGS
FOR K4.3 FLUSH-MOUNTING MULTIPLE SHUT-OFF DOMESTIC MANIFOLD KIT

FIND OUT MORE

Fastec adapters and fittings for K4.3

Fastec Fittings

Code	Description			Pack
RF12210100	F13	90°	M / F	10
RF12210200	F13	90°	F / F	10
RF12310100	F13	T	M / F / F	5
KA00F10001	Dual joint Twin F13		F / F / M	5
KA00K00002	F13 Plug	M		20

F F
M

Barrel nut

Code	Description			Pack
RF12110400	F13	M	L. 25 mm	10
RF12110500	F13	M	L. 50 mm	10
RF12110600	F13	M	L. 75 mm	8

L

Threaded fittings

	Code	Description		Pack
	KA00K00003	F13	M x R 1/2"	10
	KA00K00013	F13	M x R 3/4"	10
	RF12101000	F13	M x Rp 1/2"	10
	RF12111000	F13	M x Rp 3/4"	10
	RF122F0100	F13	M 90° x R 1/2"	10
	RF122F0200	F13	M 90° x Rp 1/2"	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

EXPANSION RING

Code		Pipe Ø x Thickness	Pack
RF13M1210301	F13	M 12 x 1.1	10
RF13M1610301	F13	M 16 x 1.5	10
RF13M2010301	F13	M 20 x 1.9	10

AXIAL CRIMP

Code		Pipe Ø x Thickness	Pack
RF13M1210401	F13	M 12 x 1.1	10
RF13M1610401	F13	M 16 x 1.5	10
RF13M2010401	F13	M 20 x 1.9	10

RADIAL CRIMP

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

valsir PEXAL BRASS

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

IVAR MULTI•PRESS

1651039	F13	M 16 x 2.0	10
1651040	F13	M 20 x 2.0	10
1651041	F13	M 26 x 3.0	5

TIEMME 1650 SERIES

| 39342 | F13 | M 16 x 2.0 | 10 |
| 39344 | F13 | M 20 x 2.0 | 10 |

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F13 Fittings with FASTEC connection available in manufacturers' catalogues

COMISA PRESS
Pipe Ø 16-20

HENCO
Pipe Ø 16-20-26

APE raccorderie AP SERIES
Pipe Ø 16-20-26

+GF+
ALUPEX EXPRESS
Pipe Ø 16-20

JRG SANIPEX MT
Pipe Ø 16-20

TECE
LOGO
Pipe Ø 20

FLEX
Pipe Ø 16-20-25

FASTEC®
THE FAST AND SECURE PLUMBING CONNECTION

Plumbing connection with pin locking (page 6).

F13 DN 15 Equivalent to 1/2"

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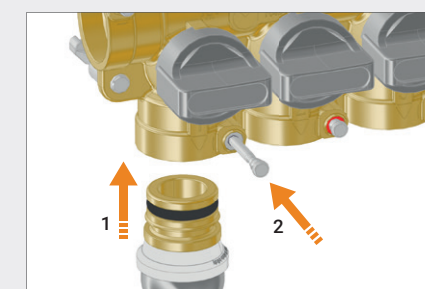
1. Insert the fitting with the pin raised.
2. Lower the locking pin to complete the connection.

DOMESTIC WATER MANIFOLD KIT WITH FLUSH-MOUNTING MAIN SHUT-OFF VALVE

K4.2

**FLUSH-MOUNTING
PRACTICAL TO INSTALL
"SOFT TURN" ANTI-JAMMING TECHNOLOGY
"TOP ENTRY" REMOVABLE BALL**

FIND OUT MORE

**K4.2
domestic water manifold kit with flush-mounting main shut-off valve**

APPLICATIONS

- For hot and cold drinking water.

- For cooling and heating water with or without antifreeze.

- Suitable for installation in masonry and plasterboard constructions **(minimum thickness 100 mm).**

TECHNICAL DATA

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

Patented

FEATURES

- **Compact flush-mounting domestic water manifold kit with general shut-off function.**

- DN15 **"Top Entry"** valve with full flow, removable ball and **"Soft Turn" anti-jamming** technology, even after long periods of inactivity without the need for periodic activation.

- **Pre-assembled in a serviceable sandwich box** with knock-outs on the sides.

- **Design faceplate**, small **with magnetic closure** and a range of available finishes.

- Fast system connections **FASTEC®**

- Inlets and outlets expandable by using FASTEC TWIN fittings.

TECO

K4.2 DOMESTIC WATER MANIFOLD KIT
WITH FLUSH-MOUNTING MAIN SHUT-OFF VALVE

FIND OUT MORE

K4.2 domestic water manifold kit with flush-mounting main shut-off valve

Includes:

- 2 Manifolds with general shut-off on the hot and cold inlets
- Box 260 x 180 x 85 mm
- Fixing bracket
- Site protection cover

⚠ **Does not include:**

- Cover door B03
- Fastec fittings (page 38)
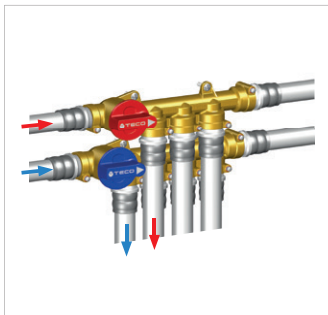
Kit code	Outlets cold	Outlets hot	DN	Connections FASTEC®	Pack
K402BF10100	5	4	DN15	F13	5

See page 38

B03 Faceplate with magnetic closure for K4.2
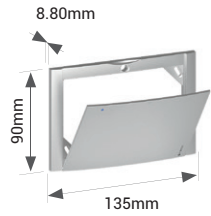
8.80mm
90mm
135mm

Includes:

- Fixing screws

Code	Finish		Pack
KPLB0301600		White	10
KPLB0301M00		Polished chrome	5
KPLB0301800		Silver	5
KPLB0301A00		Black Soft Touch	5

Spare parts for K4.2

See page 165, or visit the website for all product information.

FASTEC ADAPTERS AND FITTINGS
K4.2 DOMESTIC WATER MANIFOLD KIT WITH FLUSH-MOUNTING MAIN SHUT-OFF VALVE

FIND OUT MORE

K4 SERIES

Fastec adapters and fittings for K4.2

Fastec Fittings

Code		Description		Pack
RF12210200	F13	90°	F / F	10
RF12210100	F13	90°	M / F	10
KA00F10001	F13	Dual joint Twin	F / F / M	5
KA00K00002	F13	Plug	M	20
RF12110400	F13	M	L. 25 mm	10
RF12110500	F13	M	L. 50 mm	10
RF12110600	F13	M	L. 75 mm	8

F F
M

Barrel nut

L

Threaded fittings

Code		Description	Pack
KA00K00003	F13	M x R 1/2"	10
KA00K00013	F13	M x R 3/4"	10
RF12101000	F13	M x Rp 1/2"	10
RF12111000	F13	M x Rp 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
EXPANSION RING	RF12100100	F13	M 16 x 1.8	10
	RF12100200	F13	M 20 x 1.5	10
	RF12100300	F13	M 25 x 2.3	5
AXIAL CRIMP	RF13M1210301	F13	M 12 x 1.1	10
	RF13M1610301	F13	M 16 x 1.5	10
	RF13M2010301	F13	M 20 x 1.9	10
RADIAL CRIMP	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
valsir PEXAL BRASS	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
IVAR MULTI•PRESS	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
TIEMME 1650 SERIES	1651039	F13	M 16 x 2.0	10
	1651040	F13	M 20 x 2.0	10
	1651041	F13	M 26 x 3.0	5
aquatechnik SAFETY	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	HENCO	APE raccorderie
COMISA PRESS		AP SERIES
Pipe Ø 16-20	Pipe Ø 16-20-26	Pipe Ø 16-20-26

+GF+		TECE
ALUPEX EXPRESS	JRG SANIPEX MT	LOGO / FLEX
Pipe Ø 16-20	Pipe Ø 16-20	Pipe Ø 20 / Pipe Ø 16-20-25

Fastec application examples

4 x KA00F10001

The Fastec Twin fitting (KA00F10001) allows up to **7 cold and 6 hot outlets**.
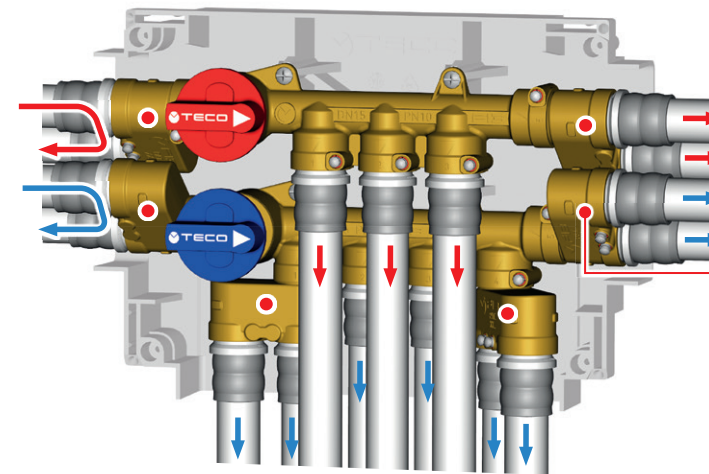
6 x KA00F10001

The addition of **Fastec Twin fittings** (KA00F10001) at the inlet can be used for **circuit recirculation** or as a branch for another environment; if used at the outlet, a manifold with **8 cold and 5 hot outlets** can be obtained.

FASTEC®
THE FAST AND SECURE PLUMBING CONNECTION

Plumbing connection with pin locking (page 6).

F13 DN 15   Equivalent to 1/2"
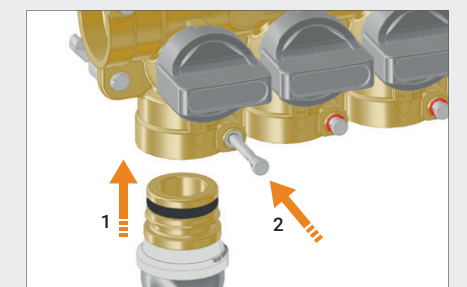
1. Insert the fitting with the pin raised.
2. Lower the locking pin to complete the connection.

FLUSH-MOUNTING METER KIT WITH SHUT-OFF VALVES

K4CC

COMPACT
PRACTICAL TO INSTALL
"SOFT TURN" ANTI-JAMMING TECHNOLOGY
"TOP ENTRY" REMOVABLE BALL

FIND OUT MORE

K4CC "DUO"
With double meter and ⊆100 electric actuator

WITH OPTIONAL MOTOR
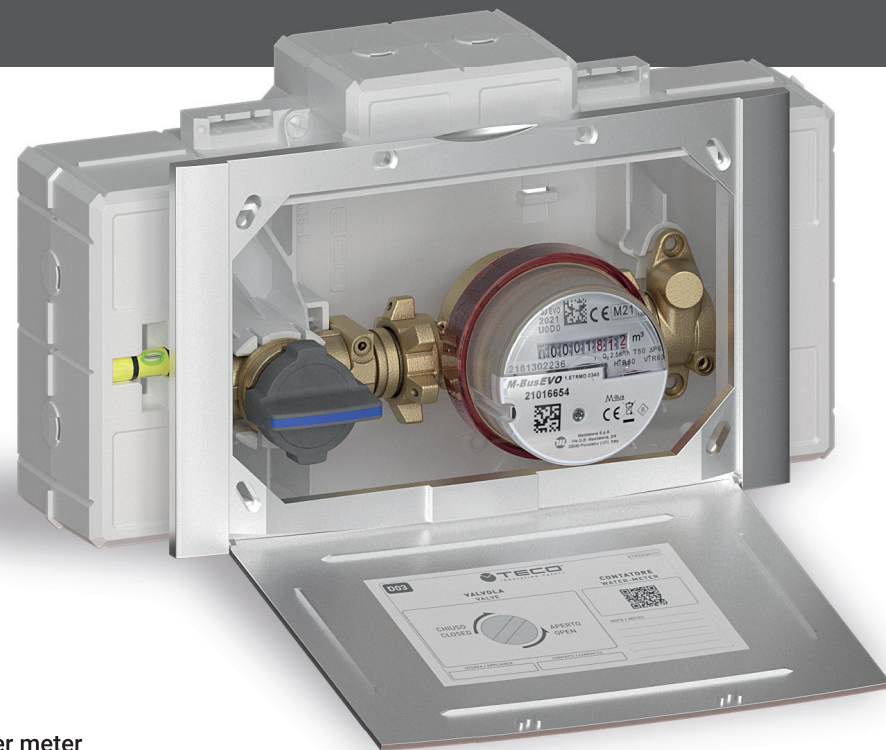
K4CC "MONO"
With single water meter

APPLICATIONS

- For hot and cold drinking water.
- For measuring and monitoring submetering consumption.
- Suitable for installation in masonry and plasterboard constructions **(minimum thickness 100 mm).**

TECHNICAL DATA

Temperature	+5 °C ÷ +90 °C
Pressure	PN 10 (10 bar)
Connections	Fastec
Reference standards	DIN EN 13828 W570-1 KTW-BWGL ACS PZH

DVGW CERT **Patented**

FEATURES

- **Flush-mounting metering kit with shut-off valves.**
- DN15 **"Top Entry"** valve with full flow, removable ball and **"Soft Turn" anti-jamming** technology, even after long periods of inactivity without the need for periodic activation.
- Valve **with optional ⊆100 electric actuator**.
- **For volumetric meters, Q_3 2.5 m^3/h max**.
- **Pre-assembled in a serviceable sandwich box** with knock-outs on all four sides.
- **Design faceplate** with **magnetic closure**, available in a range of finishes.
- Plumbing connection with **FASTEC®** quick coupling
- Available with one or two pre-assembled volumetric meters, or alternatively with connection joint.
- **Radio or cable communication modules** (M-BUS or LoRaWan) available for remote metering.

K4 SERIES Pre-assembled flush-mounting modular water distribution system

K4CC FLUSH-MOUNTED METER KIT WITH SHUT-OFF VALVES

FIND OUT MORE

K4CC "MONO" flush-mounting metering kit with single volumetric meter
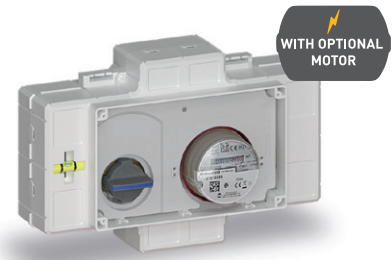
WITH OPTIONAL MOTOR

Includes:
- 1 valve with removable ball and control lever for optional motor
- **Non-return valve in the outlet fitting**
- Box 280 x 186 x 69 mm
- Volumetric meter, Q_3 2.5 m³ / h
- Fixing bracket
- Site protection cover

Does not include:
- Cover flap D03 (see below)
- Fastec fittings (page 44)
- ∈100 electric actuator (page 46)
- Communication modules (page 47)

Kit code	DN	Connections FASTEC®	Meter	Pack
K4CCDF10100	DN15	F13	Q_3 m³ / h. 2,5 - L. 80	5
		See page 44		

i
- Optionally available with EVO M-Bus wireless radio meter module.
- Versions without non-return valve available on request.

K4CC "MONO" flush-mounting metering kit with joint
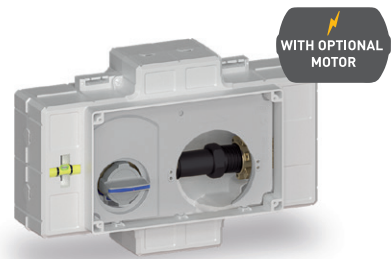
WITH OPTIONAL MOTOR

Includes:
- 1 valve with removable ball and control lever for optional motor
- **Non-return valve in the outlet fitting**
- Box 280 x 186 x 69 mm
- Joint L. 80 mm
- Fixing bracket
- Site protection cover

Does not include:
- Cover flap D03 (see below)
- Fastec fittings (page 44)
- ∈100 electric actuator (page 46)

Kit code	DN	Connections FASTEC®	Joint	Pack
K4CCDF10200	DN15	F13	Ø3/4" - L. 80 mm	5
		See page 44		

i Versions without non-return valve available on request.

K4CC "DUO" flush-mounting metering kit with two volumetric meters

WITH OPTIONAL MOTOR

NEW

Includes:
- 2 valves with removable ball and control knob for optional motor
- **Non-return valves in the outlet fittings**
- Box 310 x 210 x 85 mm
- 2 meters, Q_3 2.5 m³ / h
- Fixing bracket
- Site protection cover

Does not include:
- Cover flap E03 (see below)
- Fastec fittings (page 44)
- ∈100 electric actuator (page 46)
- Communication modules (page 47)

Kit code	DN	Connections FASTEC®	Meter (x2)	Pack
K4CCEF10100	DN15	F13	Q_3 m³ / h. 2,5 - L. 80	5
		See page 44		

i
- Optionally available with EVO M-Bus wireless radio meter module.
- Versions without non-return valve available on request.

K4CC "DUO" flush-mounting metering kit with joints

WITH OPTIONAL MOTOR

NEW

Includes:
- 2 valves with removable ball and control knob for optional motor
- **Non-return valves in the outlet fittings**
- Box 310 x 210 x 85 mm
- Joints L. 80/110 mm
- Fixing bracket
- Site protection cover

Does not include:
- Cover flap E03 (see below)
- Fastec fittings (page 44)
- ∈100 electric actuator (page 46)

Kit code	DN	Connections FASTEC®	Joint (x2)	Pack
K4CCEF10200	DN15	F13	Ø3/4" - L. 80 mm	5
K4CCEF10300	DN15	F13	Ø3/4" - L. 110 mm	5
		See page 44		

i Versions without non-return valve available on request.

D03 Faceplate with magnetic closure for K4CC "MONO"
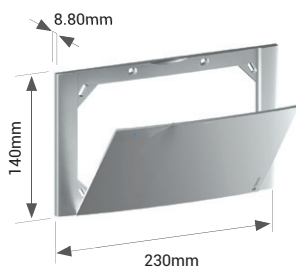
8.80mm
140mm
230mm

Includes:
- Fixing screws

Code	Finish	Pack
KPLD0301600	White	5
KPLD0301M00	Polished chrome	1
KPLD0301800	Silver	1
KPLD0301A00	Black Soft Touch	1

E03 Faceplate with magnetic closure for K4CC "DUO"
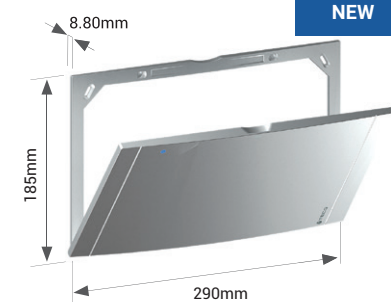
NEW

8.80mm
185mm
290mm

Includes:
- Fixing screws

Code	Finish	Pack
KPLE0301600	White	5
KPLE0301M00	Polished chrome	1
KPLE0301800	Silver	1
KPLE0301A00	Black Soft Touch	1

FASTEC ADAPTERS AND FITTINGS
FOR K4CC FLUSH-MOUNTED METER KIT WITH SHUT-OFF VALVES

FIND OUT MORE

Fastec adapters and fittings for K4CC "MONO" and K4CC "DUO"

Fastec Fittings

Code		Description		Pack
RF12210100	F13	90°	M / F	10
RF12310100	F13	T	M / F / F	5
KA00F10001		Dual joint Twin F13	F / F / M	5
KA00K00002	F13	Plug	M	20

Threaded fittings

Code		Description	Pack
KA00K00003	F13	M x R 1/2"	10
KA00K00013	F13	M x R 3/4"	10
RF12101000	F13	M x Rp 1/2"	10
RF12111000	F13	M x Rp 3/4"	10
RF122F0100	F13	M 90° x R 1/2"	10
RF122F0200	F13	M 90° x Rp 1/2"	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
EXPANSION RING			
RF12100100	F13	M 16 x 1.8	10
RF12100200	F13	M 20 x 1.5	10
RF12100300	F13	M 25 x 2.3	5
AXIAL CRIMP			
RF13M1210301	F13	M 12 x 1.1	10
RF13M1610301	F13	M 16 x 1.5	10
RF13M2010301	F13	M 20 x 1.9	10
RADIAL CRIMP			
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
valsir PEXAL BRASS			
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
IVAR MULTI•PRESS			
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
TIEMME 1650 SERIES			
1651039	F13	M 16 x 2.0	10
1651040	F13	M 20 x 2.0	10
1651041	F13	M 26 x 3.0	5
aquatechnik SAFETY			
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 QUALITY COMES FIRST
COMISA PRESS
Pipe Ø 16-20

HENCO
Pipe Ø 16-20-26

APE raccorderie
AP SERIES
Pipe Ø 16-20-26

+GF+
ALUPEX EXPRESS
Pipe Ø 16-20

JRG SANIPEX MT
Pipe Ø 16-20

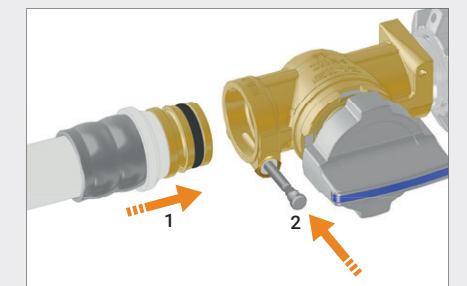**TECE**
LOGO
Pipe Ø 20

FLEX
Pipe Ø 16-20-25

Fastec application examples

Compositions that can be made with products from the Fastec range: **adapters** and **fittings for multi-layer pipe** (see opposite page).

Adapters used:

2 x RF12210100

1 x RF12310100

Adapters used:

2 x KA00F10001
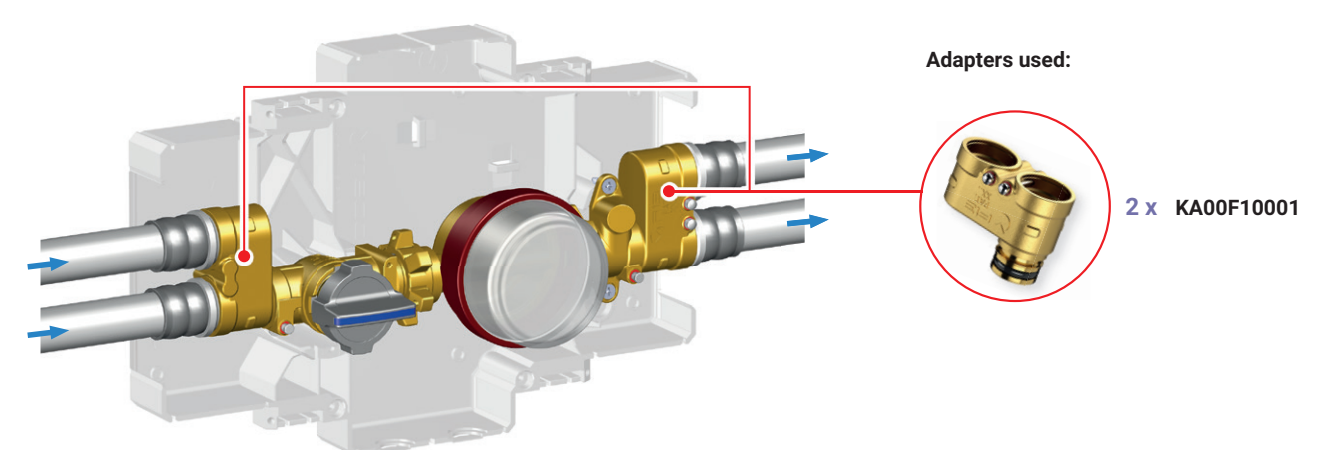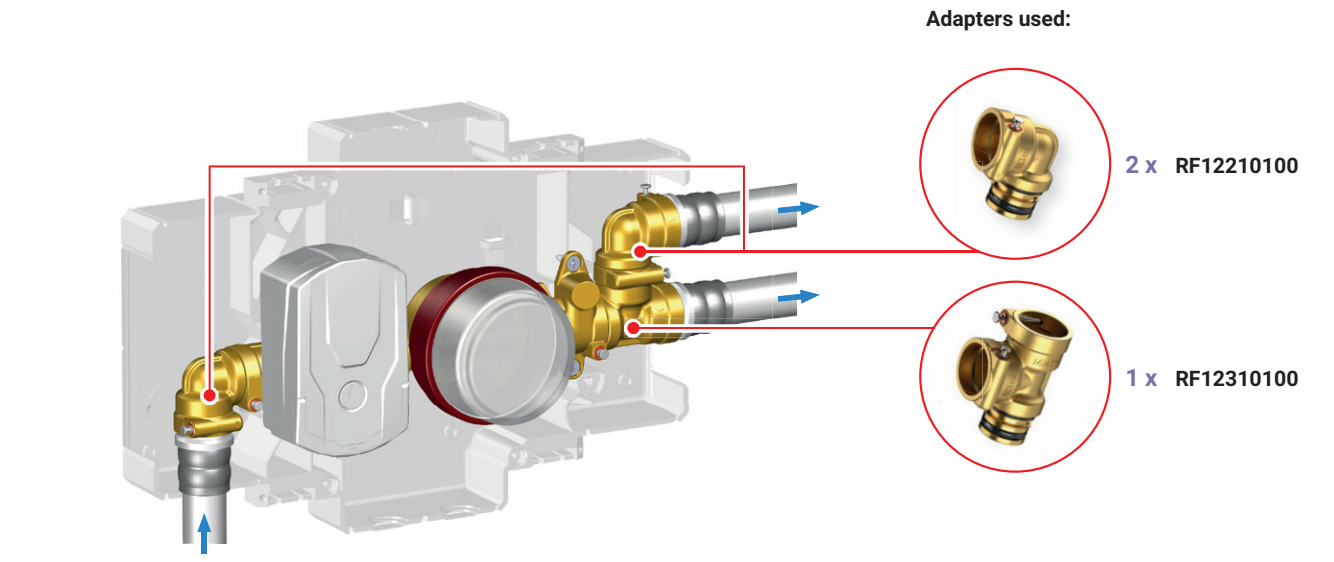
FASTEC®
THE FAST AND SECURE PLUMBING CONNECTION

Plumbing connection with pin locking (page 6).

F13 **DN 15** Equivalent to 1/2"

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

∈100 ON/OFF ELECTRIC ACTUATOR
FOR K4CC FLUSH-MOUNTED METER KIT WITH SHUT-OFF VALVES
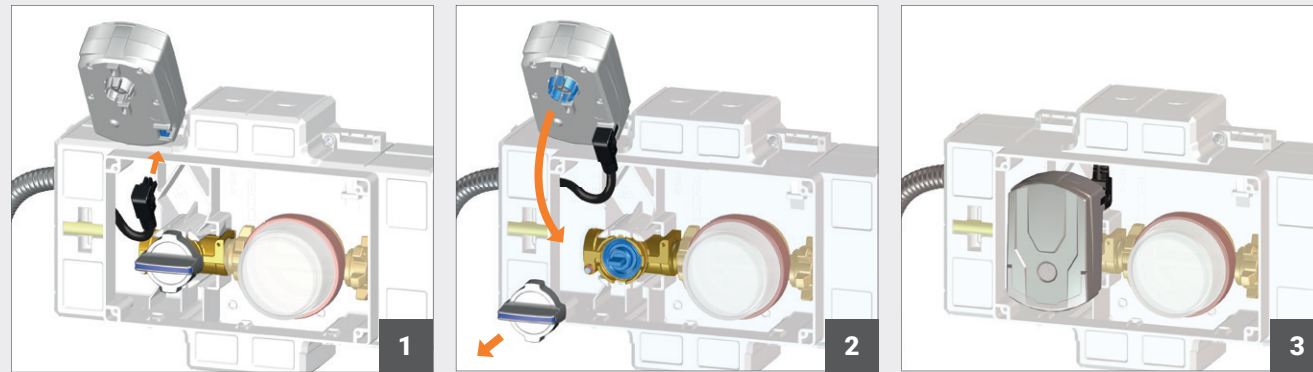
FIND OUT MORE

∈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** **50-60 Hz**	With valve closed	1
E1046100	**AC/DC 24 V** **50-60 Hz**		

INSTALLATION EXAMPLE OF ∈100 ELECTRIC ACTUATOR
WITH OPTIONAL MOTOR

Once the electrical connection has been made, the valve can be motorised using the ∈100 electric actuator, optimised by TECO in terms of size, low consumption and quietness.
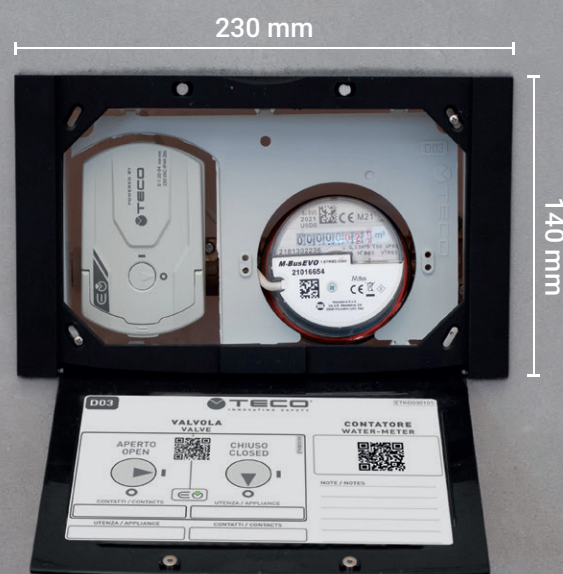

| 1 | 2 | 3 |

Insert the cable provided with the connector into the ∈100 electric actuator.

Remove the handle and insert the ∈100 electric actuator into the valve seat with light pressure.
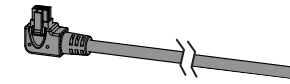
∈100 electric actuator installed and ready to operate.

ℹ️ See page 96

230 mm

140 mm

Minimum wall thickness 100 mm

K4 SERIES

ACCESSORIES
FOR K4CC FLUSH-MOUNTED METER KIT WITH SHUT-OFF VALVES

Optional 3 metre cable for ∈100 electric actuator

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

Communication modules for remote meter reading

The **volumetric meter** can be equipped with communication modules for remote metering.

	Code	Description	Pack
LoRaWAN	**KA00CC0001**	EVO 868 MHz LoRaWAN Radio Module	1
M-Bus wireless	**KA00CC0002**	EVO 868 MHz Wireless M-Bus Radio Module	1
M-Bus	**KA00CC0003**	M-Bus EVO module	1
	KA00CC0004	Pulse Evo module	1

Volumetric meter

Code	Description	DN.	Pack
KA00CC0005	SJ EVO meter - Q₃ m³ / **h. 2.5 - L. 80** - G 3/4" Suitable for operation with hot and cold water	15	1

Spare parts for K4CC "MONO" and K4CC "DUO"

See page 166, or visit the website for all product information.