MODULAR COMPACT DISTRIBUTION SYSTEM FOR DOMESTIC WATER SYSTEMS

K-BLOC
MODULAR SYSTEM

EASY AND FAST TO INSTALL
COMPACT AND STRONG
FUNCTIONAL DESIGN
FULL RANGE
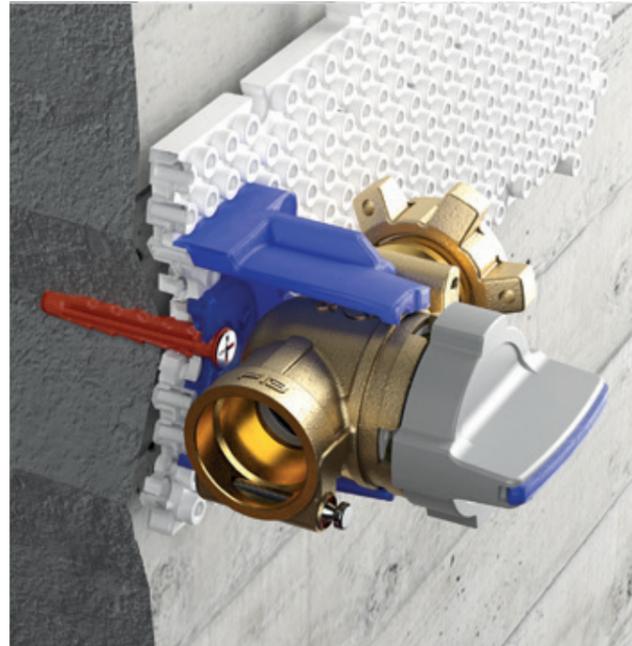
FIND OUT MORE

INSTALLATION IS A GAME
FOR PROFESSIONALS

K-BLOC

TECO

MODULAR COMPACT DISTRIBUTION SYSTEM
FOR DOMESTIC WATER SYSTEMS

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K-BLOC

EASY AND FAST TO INSTALL

Module preparation is simplified by the TECOFIX fixing system and can easily be performed off-site.
Each module can be connected to pipes or system components via the FASTEC connection system, which guarantees fast, secure connections.

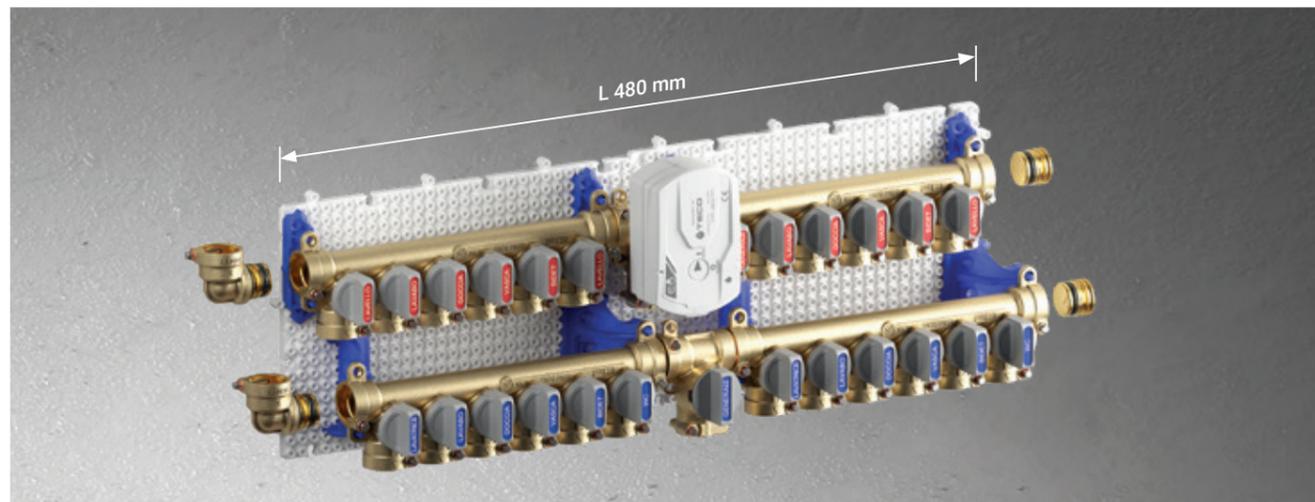The solid module fixing becomes a reference point for anchoring the system to the structure.

FULL RANGE

A wide selection of modules, manifolds, valves and fittings are able to meet a variety of system requirements, in both new buildings and renovations.

MANIFOLDS

MULTIPLE SHUT-OFF MANIFOLDS

MANIFOLDS WITHOUT SHUT-OFF VALVES

K-BLOC
MODULAR SYSTEM

TECOFIX MODULAR PLATE

METER KIT

METER KIT WITH OPTIONAL MOTOR

COMPACT AND STRONG

All components have been designed to maximise compactness, facilitating installation in tight spaces.
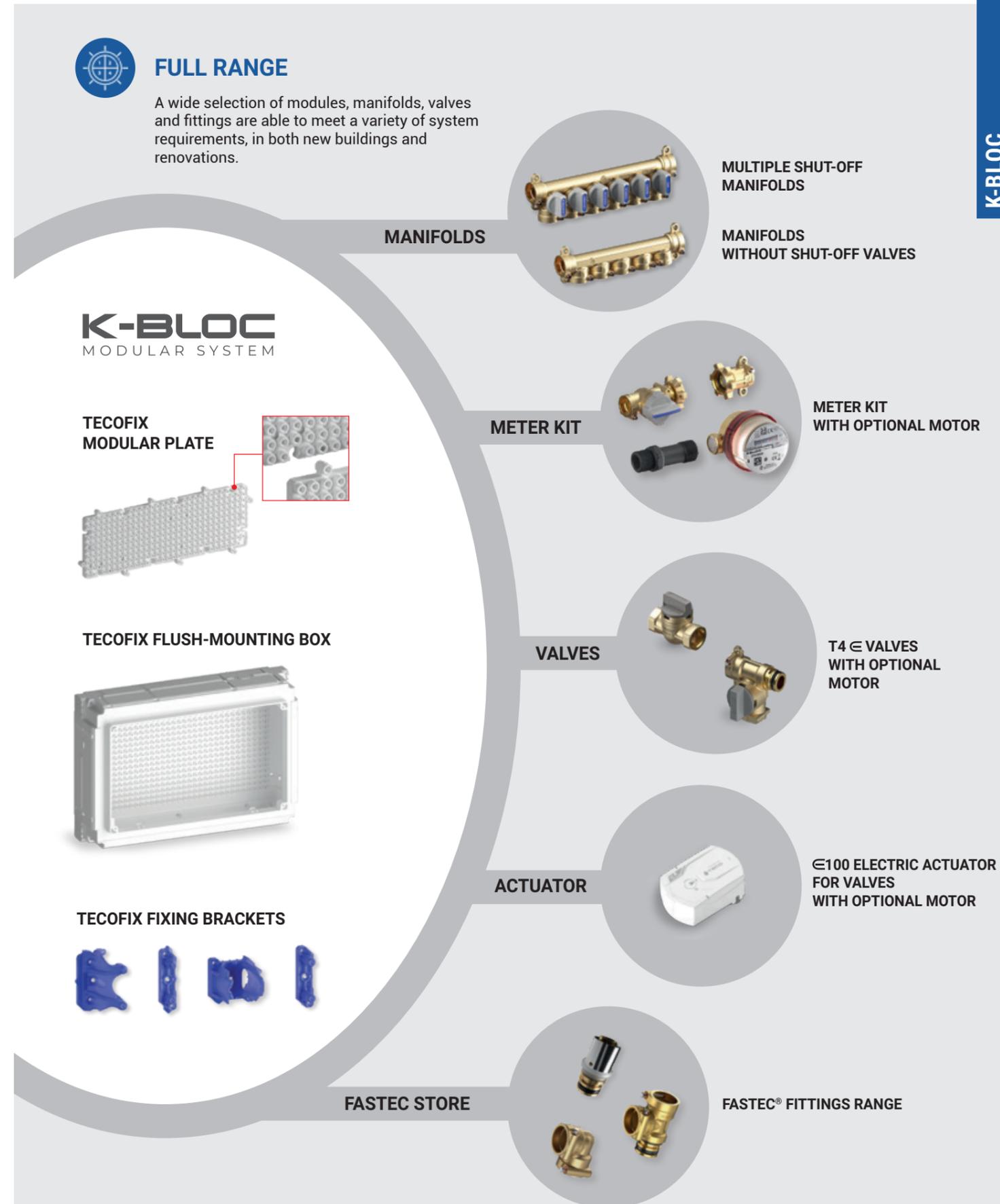
FUNCTIONAL DESIGN

The K-BLOC system and all its components have been designed to maximise efficiency, utility and convenience. The functional design offers neat installation that emphasises the installer's professionalism.

TECOFIX FLUSH-MOUNTING BOX

VALVES

T4 ∈ VALVES WITH OPTIONAL MOTOR

ACTUATOR

∈100 ELECTRIC ACTUATOR FOR VALVES WITH OPTIONAL MOTOR

TECOFIX FIXING BRACKETS

L 480 mm

FASTEC STORE

FASTEC® FITTINGS RANGE

TECOFIX INSTALLATION COMPONENTS
FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

FIND OUT MORE

K-BLOC

TECOFIX K-BLOC fastening modules

TECOFIX modular fixing plate

80 mm

240 mm
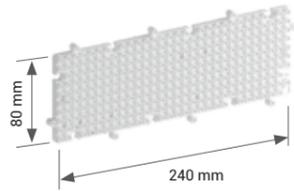
Code	Description	Pack
TXA01	TECOFIX modular fixing plate	18

TECOFIX flush-mounting box

85 mm

210 mm

310 mm

Includes:
- Site protection cover
- Fixing mounts

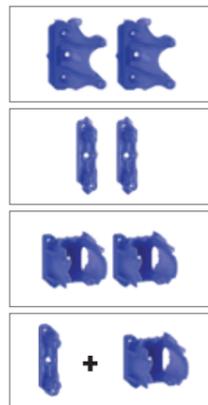| Code	Description	Pack
TXA02	Box for flush-mounting applications	8

K-BLOC TECOFIX support brackets

Tecofix fixing brackets

Includes:
- Expansion plugs
- Fixing screws

Code	Description	Compatibility	Pack
TX001	TECOFIX HIGH brackets kit	CK3-CK2 manifolds T4, T4 ⊆ T-valves	10
TX002	TECOFIX LOW brackets kit	CK3-CK2 manifolds T4, T4 ⊆ T-valves	10
TX003	TECOFIX brackets kit FOR STRAIGHT VALVES	T4 ⊆ straight valves	10
TX004	TECOFIX brackets kit FOR METERS	Kit for meters	10

K-BLOC fixing kit TECOFIX

Suitable for hot and cold water systems

NEW
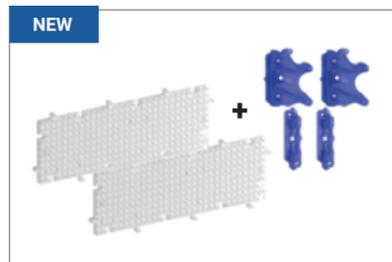
Includes:
- N° 2 TXA01 Modular fixing plates
- N° 1 TX001 TECOFIX HIGH brackets kit
- N° 1 TX002 TECOFIX LOW brackets kit
- Expansion plugs
- Fixing screws

Code	Description	Compatibility	Pack
TX005	Kit for manifold and valves	CK3-CK2 manifolds T4 valves, T-valves	5

E03 Faceplate with magnetic closure for flush-mounting box

8.80mm

185mm

290mm
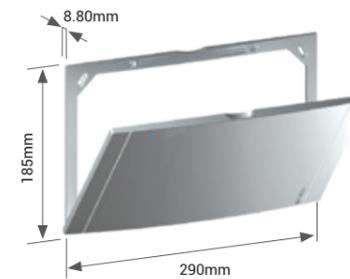
Includes:
- Fixing screws

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

TECOFIX INSTALLATION COMPONENTS
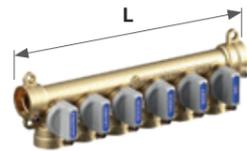FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

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K-BLOC

CK3 multiple shut-off manifolds

L

Technical data:
- +5 °C ÷ +95 °C
- PN 10 (10 bar)
- DIN EN 13828, W570-1, KTW-BWGL, ACS, PZH

Includes:
- 1 DN15 manifold with DN10 individual shut-off valves
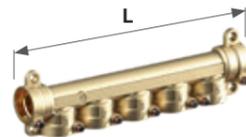- Stickers for utility identification

⚠ Does not include:
- TECOFIX fixing components
- Fastec fittings (page 58)

Code	Outlets	L (mm)	Connections FASTEC®	TECOFIX brackets compatibility		Pack
CK032F10100	2	87	F13	TX002	TX001	5
CK033F10100	3	119	F13			5
CK034F10100	4	151	F13			5
CK035F10100	5	183	F13	KIT TX005		5
				x2	TXA01	
CK036F10100	6	215	F13	x1	TX001	5
				x1	TX002	

See page 58

CK2 manifolds without shut-off valves

L

Technical data:
- +5 °C ÷ +95 °C
- PN 16 (16 bar)
- KTW-BWGL

Includes:
- 1 DN15 manifold
- Stickers for utility identification

⚠ Does not include:
- TECOFIX fixing components
- Fastec fittings (page 58)

Code	Outlets	L (mm)	Connections FASTEC®	TECOFIX brackets compatibility		Pack
CK023F10100	3	119	F13	TX002	TX001	5
CK024F10100	4	151	F13			5
				KIT TX005		
				x2	TXA01	
CK025F10100	5	183	F13	x1	TX001	5
				x1	TX002	

See page 58

Spare parts for CK3

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

T4 "Top Entry" ball valve, "T" version

Technical data:
- +5 °C ÷ +95 °C
- PN 10 (10 bar)
- DIN EN 13828, W570-1, KTW-BWGL, ACS, PZH

Includes:
- 1 valve with removable ball and control handle

⚠ Does not include:
- TECOFIX fixing components
- Fastec fittings (page 58)
- ∈ 100 electric actuator (page 57)

WITH OPTIONAL MOTOR

Code	DN	Connections FASTEC®	Kv*	TECOFIX brackets compatibility		Pack
T4P12C2100	DN10	F13 F / F / M	4,0	TX002	TX001	5
T4P32C1100	DN15	F13 F / F / F	- 5,8			10
T4P32C2100	DN15	F13 F / F / M	- 5,8	KIT TX005		10
				x2	TXA01	
T4P32C3100	DN15	F13 M / F / F	- 5,8	x1	TX001	10
				x1	TX002	
T4P3211100	DN15	-	Rp 1/2" F / F	15		5
T4P3271100	DN15	F13 F / F	-	15		10
T4P3272100	DN15	F13 F / M	-	15	TX003	10

See page 58

✱ 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∈

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

TECOFIX INSTALLATION COMPONENTS
FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

K-BLOC

Valve and fitting kit for meter

WITH OPTIONAL MOTOR

G 3/4"
(ISO 228-1)

Technical data:
- +5 °C ÷ +90 °C
- PN 10 (10 bar)
- DIN EN 13828 , W570-1 , KTW-BWGL , ACS , PZH

Includes:
- 1 valve with removable ball and control handle with optional motor
- Fitting with non-return valve on the outlet

⚠ **Does not include:**
- TECOFIX fixing components
- Fastec fittings (page 58)
- Volumetric meter and its communication modules
- Joints
- ∈100 electric actuator (page 57)

Kit code	DN	Connections D1 FASTEC®	TECOFIX brackets compatibility	Pack
CKCCXF10100	DN15	F13 F	TX004 kit	5
		See page 58		

Volumetric meter

Code	Description	DN.	Pack
KA00CC0005	SJ EVO meter - Q_3 2.5 m³/h - L. 80 mm - G 3/4" Suitable for operation with hot and cold water	15	1

Joint

Code	Description	Pack
KA00CC0007	Joint L. 80 mm	5
KA00CC0008	Joint L. 110 mm	5

Spare parts for valve and fitting kit for meter

See page 166, 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
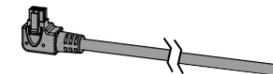
Code	Description	Pack
KA00K00014	Kit of 6P X 3M cable + Micro-Fit connector	1

Communication modules for remote meter reading

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

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

TECOFIX INSTALLATION COMPONENTS
FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

FIND OUT MORE

Fastec adapters and fittings

Fastec Fittings

	Code	Description		Pack
	RF12210200	F13	90° F / F	10
	RF12210100	F13	90° M / F	10
	RF12310200	F13	T F / F / F	5
	RF12310100	F13	T M / F / F	5
	RF12110200	Sleeve F13	F / F	10
	KA00K00008	F13	Nipple M / M	10
	KA00F10001	Dual joint Twin F13	F / F / M	5
	KA00K00016	F13	Plug F	10
	KA00K00002	F13	Plug M	20
Barrel nut	RF12110400	F13	M L. 25 mm	10
	RF12110500	F13	M L. 50 mm	10
	RF12110600	F13	M L. 75 mm	8

FASTEC semi-rigid corrugated stainless steel pipe

	Code	Description		Pack
	RF12710100	F13	M L. 250 mm	1
	RF12710200	F13	M L. 400 mm	1

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
	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
EXPANSION RING	RF12100200	F13 M 20 x 1.5	10
	RF12100300	F13 M 25 x 2.3	5
	RF13M1210301	F13 M 12 x 1.1	10
RADIAL CRIMP	RF13M1610301	F13 M 16 x 1.5	10
	RF13M2010301	F13 M 20 x 1.9	10
	RF13M1210401	F13 M 12 x 1.1	10
RADIAL CRIMP	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
1651039	F13 M 16 x 2.0	10
1651040	F13 M 20 x 2.0	10
1651041	F13 M 26 x 3.0	5

valsir PEXAL BRASS

TIEMME 1650 SERIES

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

IVAR MULTI•PRESS

aquatechnik SAFETY

F13 Fittings with FASTEC connection available in manufacturers' catalogues

COMISA PRESS	HENCO	APE AP SERIES	+GF+ ALUPEX EXPRESS	+GF+ JRG SANIPEX MT	TECE LOGO	TECE FLEX
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

EXTENDER telescopic joint

Code	Description	Pack
RF12110300	EXTENDER telescopic joint F13 F / F	5

	Z	L
F13	112 ÷ 170 mm	81 ÷ 139 mm
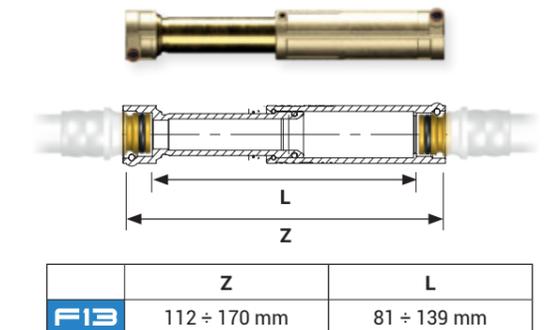
FASTEC®
THE FAST AND SECURE PLUMBING CONNECTION

Plumbing connection with pin locking (page 6).

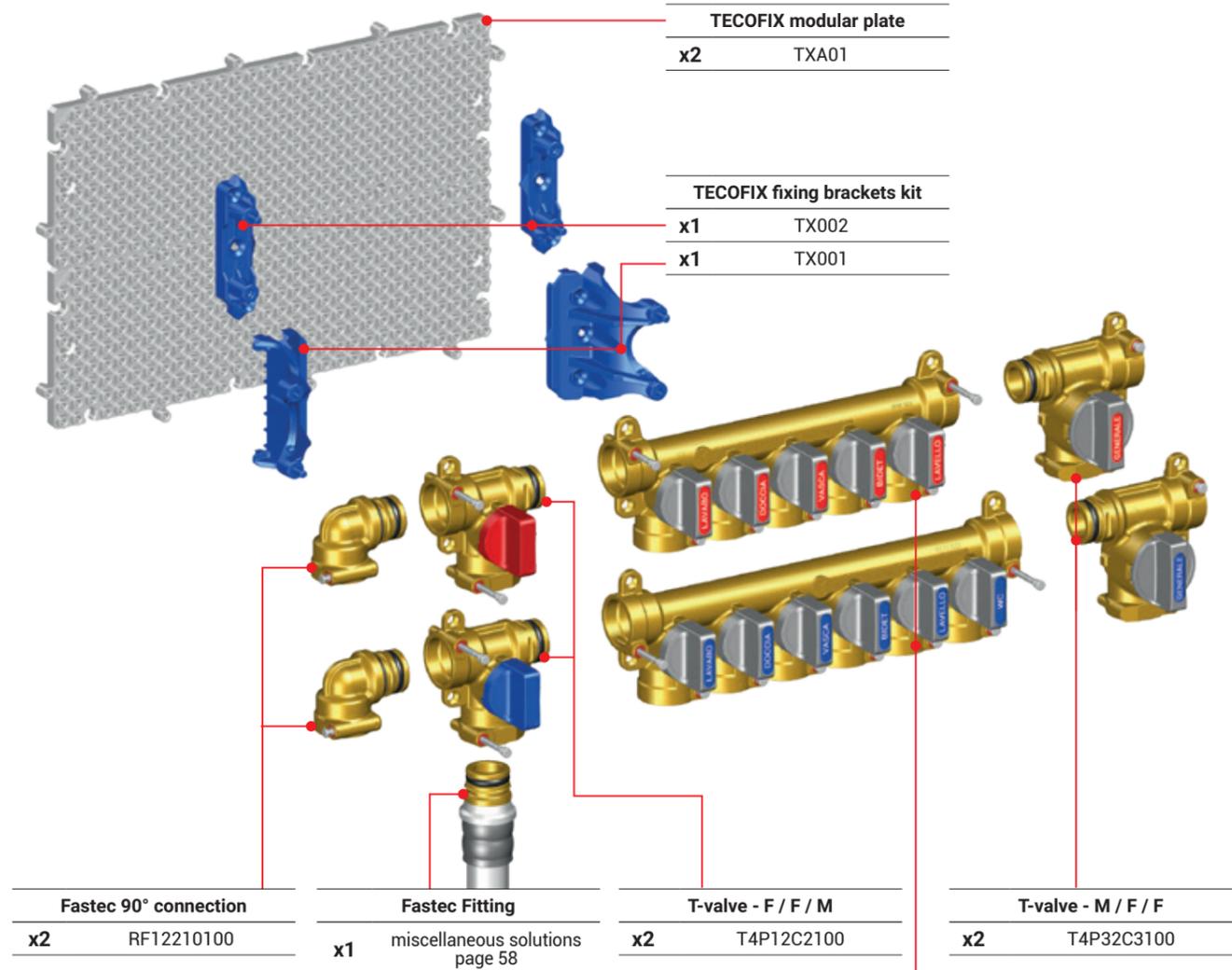F13 DN 15 Equivalent to 1/2"
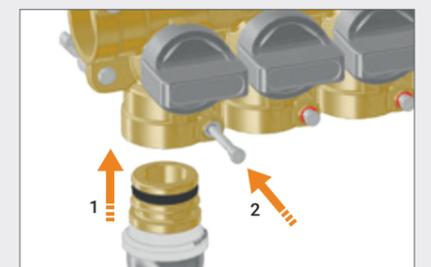
1. Insert the fitting with the pin raised.
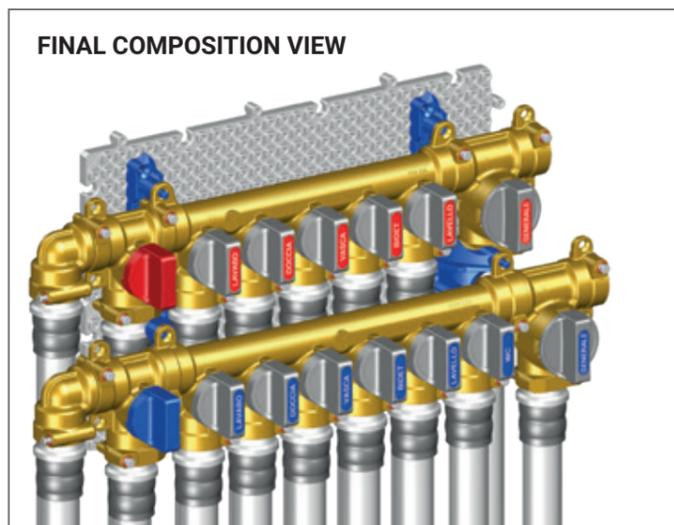2. Lower the locking pin to complete the connection.

APPLICATION EXAMPLES
FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

FIND OUT MORE

K-BLOC

MULTIPLE SHUT-OFF MANIFOLD

TECOFIX modular plate
x2   TXA01

TECOFIX fixing brackets kit
x1   TX002
x1   TX001

Fastec 90° connection
x2   RF12210100

Fastec Fitting
x1   miscellaneous solutions page 58

T-valve - F / F / M
x2   T4P12C2100

T-valve - M / F / F
x2   T4P32C3100

CK3 Multiple shut-off manifold
x1   5-way CK035F10100
x1   6-way CK036F10100

FINAL COMPOSITION VIEW

FLUSH-MOUNTING MANIFOLD WITH GENERAL SHUT-OFF VALVES
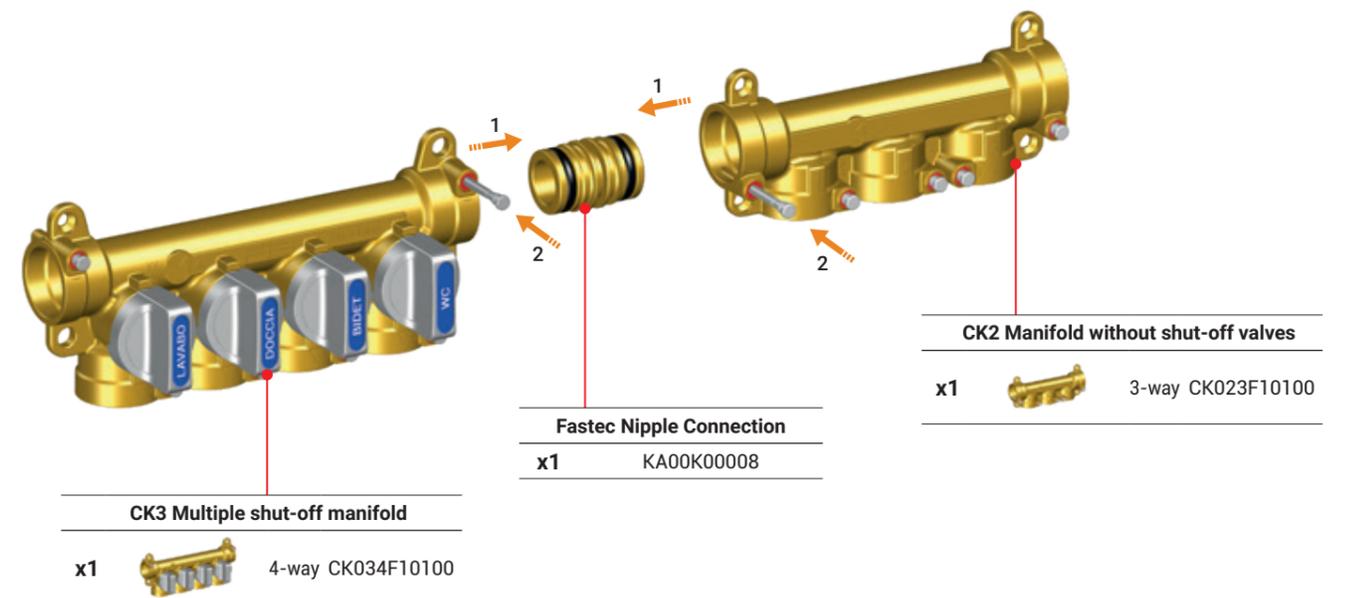
TECOFIX flush-mounting box
x1   TXA02

T-valve - M / F / F
x2   T4P32C3100

TECOFIX fixing brackets kit
x1   TX002
x1   TX001

CK2 Manifold without shut-off valves
x2   5-way   CK025F10100

T-fitting - M / F / F
x2   RF12310100

MANIFOLD CONNECTION

CK2 Manifold without shut-off valves
x1   3-way CK023F10100

Fastec Nipple Connection
x1   KA00K00008

CK3 Multiple shut-off manifold
x1   4-way CK034F10100

APPLICATION EXAMPLES
FOR K-BLOC MODULAR COMPACT DISTRIBUTION SYSTEM

FIND OUT MORE

K-BLOC

FLUSH-MOUNTING MANIFOLD WITH T-VALVE

TECOFIX flush-mounting box	
x1	TXA02

TECOFIX fixing brackets kit	
x1	TX002

T-valves - M / F / F	
x2	T4P32C3100

∈100 electric actuator	
x1	miscellaneous solutions page 57

T-valve - F / F / F	
x1	T4P32C1100
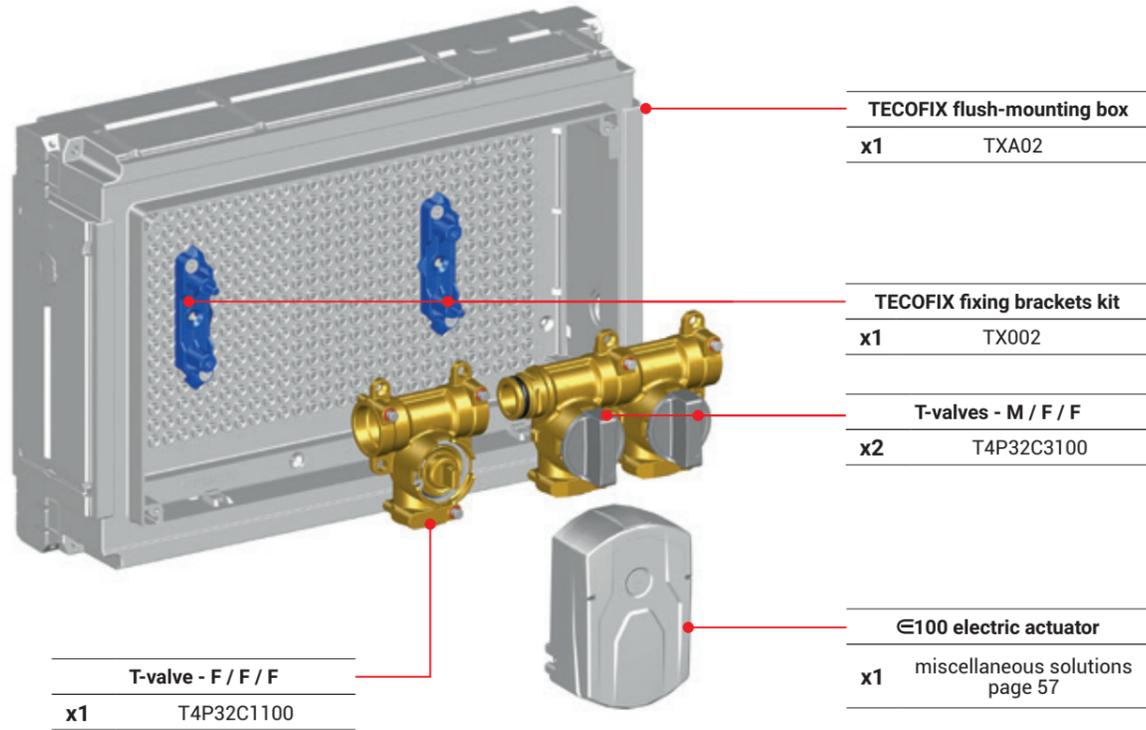
STRAIGHT MOTORISED VALVES

TECOFIX modular plate	
x1	TXA01

TECOFIX fixing brackets kit	
x4	TX003

STRAIGHT valves – F / F	
x4	T4P3271100

∈100 electric actuator	
x3	miscellaneous solutions page 57

METER UNIT

TECOFIX modular plate	
x2	TXA01

CKCC Meter unit	
x2	CKCCXF10100

TECOFIX fixing brackets kit	
x2	TX004

Volumetric meter	
x2	KA00CC0005

Communication modules for remote meter reading	
miscellaneous solutions page 57	

Joint	
KA00CC0007	**L. 80 mm**
KA00CC0008	**L. 110 mm**