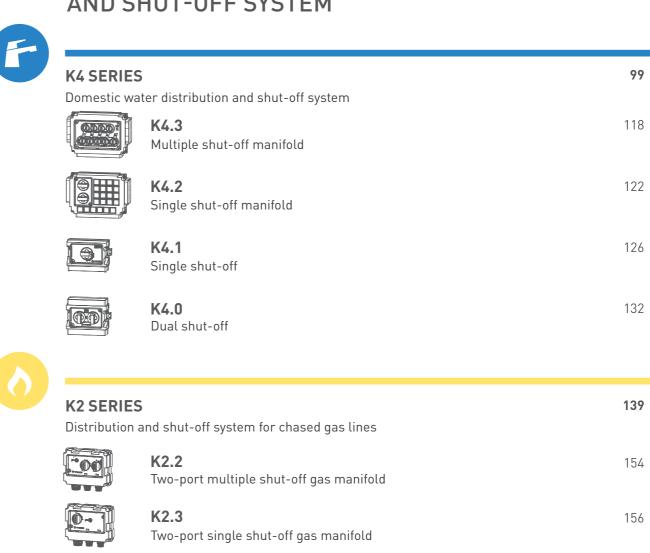




# **FLUSH-MOUNTING DISTRIBUTION** AND SHUT-OFF SYSTEM







K2.4 158 Three-port single shut-off gas manifold K2.1 160 Flush-mounting "U" gas shut-off cock



162 Flush-mounting straight gas shut-off cock



164 Flush-mounting gas shut-off cock with lever



166 Flush-mounting gas box with outlet fitting



168 K2 manifolds that can be used with the metal box



# CONTROL AND SAFETY WHERE YOU WANT

FAST AND SAFE TO INSTALL, PRACTICAL TO USE







EASY TO USE



INNOVATIVE DESIGN



PRACTICAL TO INSTALL



The K series was developed for installers, designers and end users, who want a domestic system that is accessible and convenient to use.

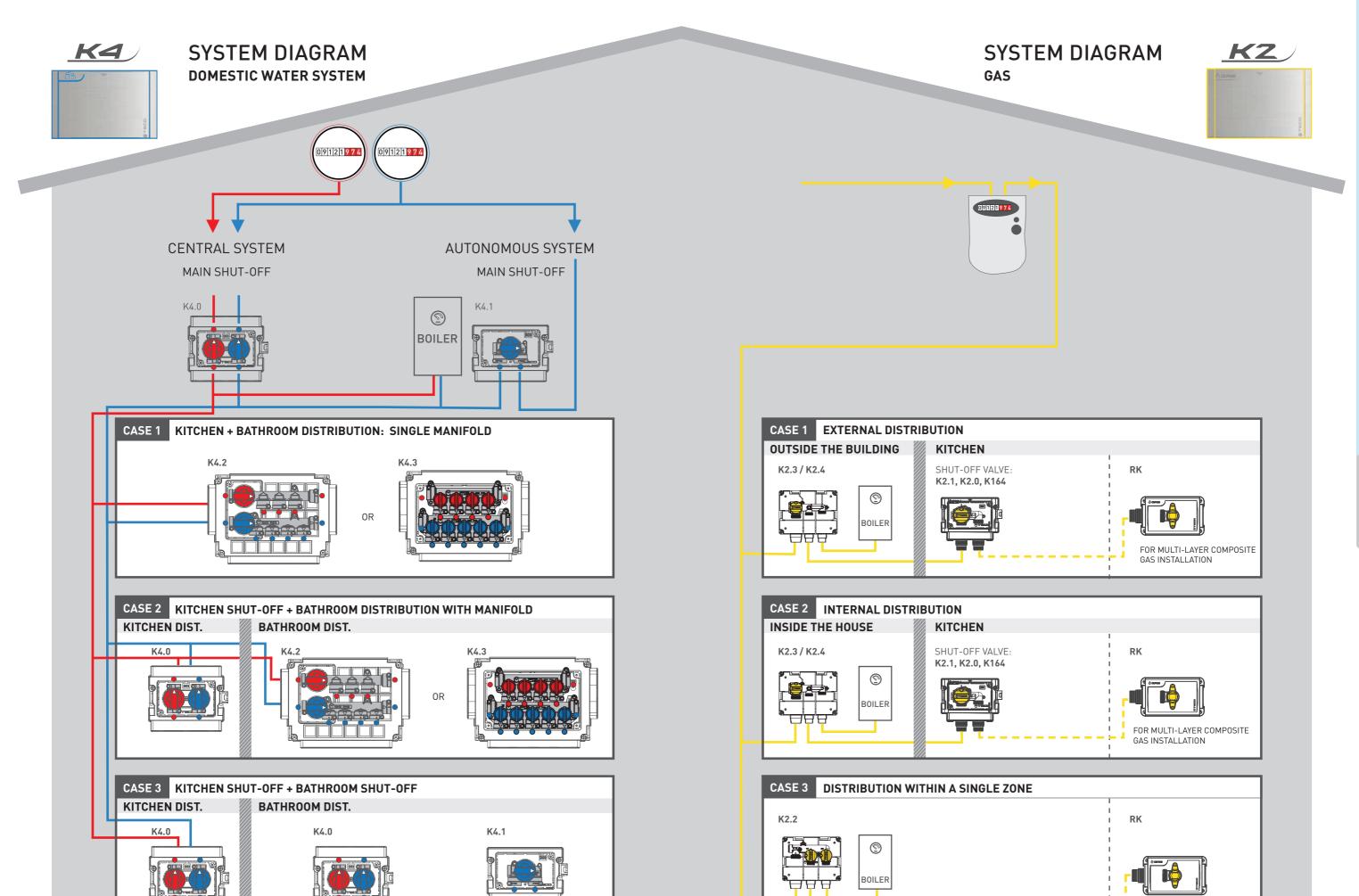
The faceplate for the stopcocks and manifolds is the system control point.

Their small sizes and the range of finishes make the devices more accessible and easy to place in any modern living context, while complying with the installation standards.

The system is now as easy to manage as an electric switch. The user can perceive the value of the selected materials and careful design.







WASHING MACHINE

UTILITY

102 **TECO** 

FOR MULTI-LAYER COMPOSITE

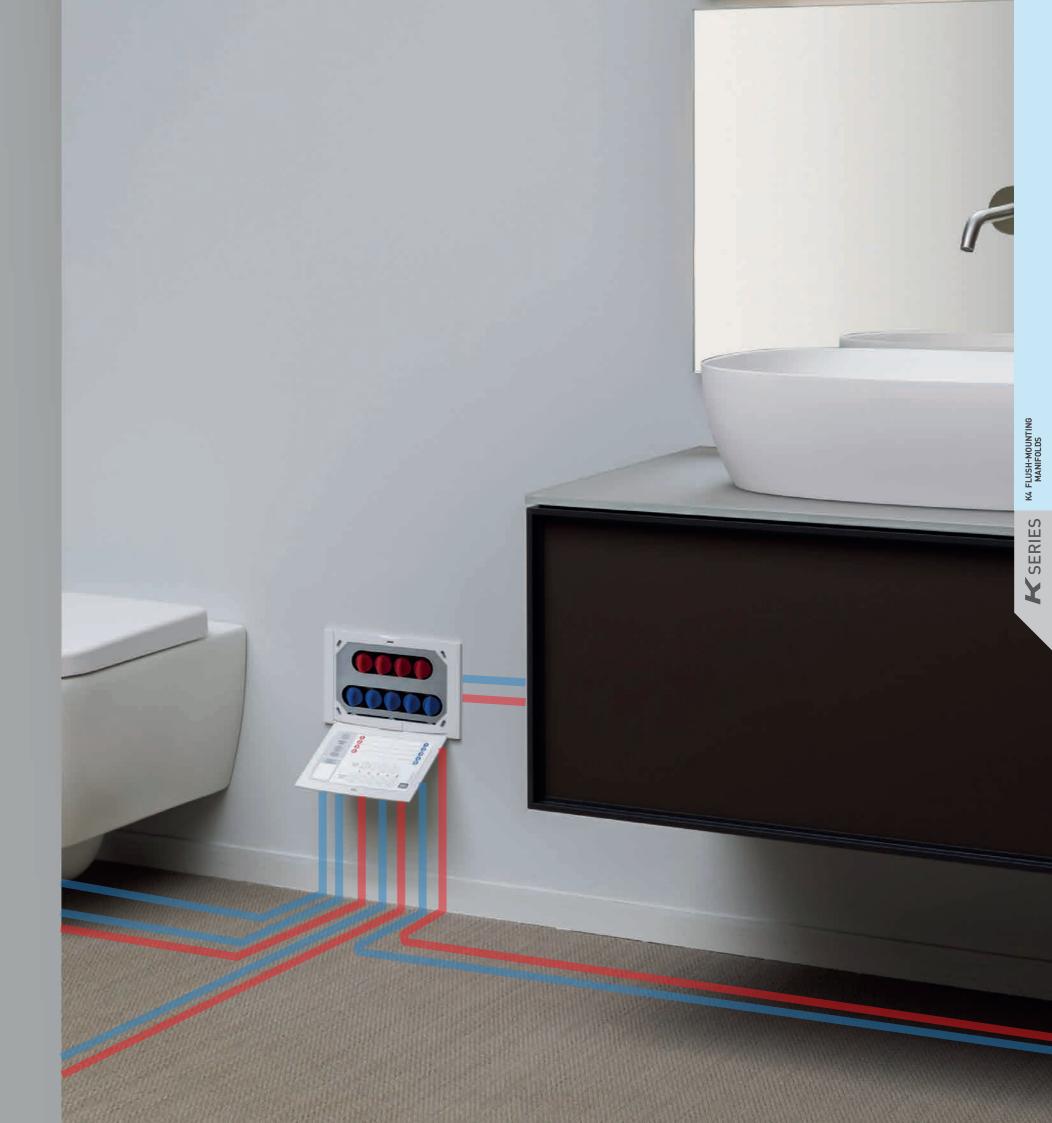
GAS INSTALLATION



# DISTRIBUTION AND SHUT-OFF SYSTEM FOR DOMESTIC WATER SYSTEMS

K4 is a distribution and shut-off system from domestic water system that makes it possible to install devices in any environment without compromising its look. The distinctive design of the faceplates and their finish creates a pleasant effect when integrated with the environment.







# MANY TECHNOLOGIES FOR A SINGLE SOLUTION

FAST AND SAFE TO INSTALL, PRACTICAL TO USE



### FASTEC

Connection system.
FASTEC®, fast, safe and compact.
The wide range of FASTEC®
STORE fittings makes installation simple and flexible.
[see page 32]



# DESIGN PLUS

Industrial design and innovative product awards at ISH 2015.



### **ACCESSIBILITY**



## **INSIDE-OUTSIDE**

Built to be installed inside and outside the building.







Installations for drinking water must be made to the highest standards to prevent trapping water, which could promote the development of microbe colonies (e.g. legionella). K4 valves were developed with build characteristics that prevent water from being trapped (DVGW W570).



# CERTIFICATIONS AND TECHNICAL SPECIFICATIONS

Reference Standard for Metal Materials	DIN EN 13828 DVGW W570-1
Working pressure	PN10 (10 bar)
Temperature	0°C + 95 °C



## **SANDWICH BOX**

Improves accessibility during installation.
[see page 112]





Shut-off valve, 90° closure with anti-jamming engineered polymer ball. (see page 37)

# TOP-ENTRY



With the Top Entry system, the ball is fully removable and spare parts have been available for more than more than 30 years.
[see page 36]

# LINK



Possibility of modular box coupling.
(see page 111)

# HIGH PERFORMANCE

The TECO solution with effective flow and installation in accordance with the EN 806-2 standard. [see page 113]

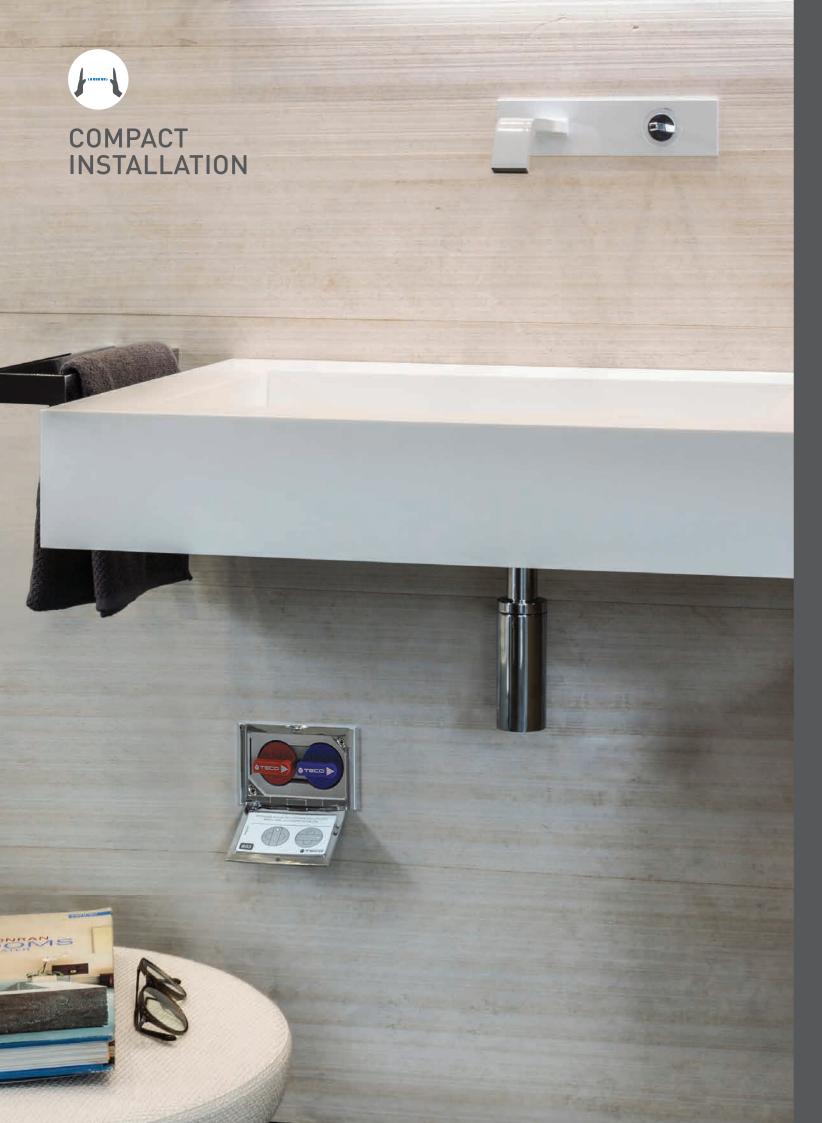


# COMPACT INSTALLATION

The smaller sizes are easier to integrate into the environment.



106 ♥ ▼ ■ □ □\*





# THE DESIGN FOR EVERY LOOK

The innovative design of the K series faceplate integrates perfectly with any living environment.



D03 K4.3

WHITE



KPLD0301M00

Polished Chrome



BLACK SOFT TOUCH

KPLD0301800

KPLD0301A00

# B03 K4.0-K4.1-K4.2

WHITE



KPLB0301600

KPLD0301600

KPLB0301M00



KPLB0301800

BLACK SOFT TOUCH

KPLB0301700

KPLB0301A00

**♥ TEC** • 109

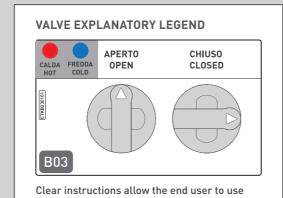


# **ACCESSIBILITY**

### **MAXIMUM CONTROL**

The faceplate is available in various variants and finishes, allows access the operating controls and makes them easy to use.

The explanatory legend has been designed for the end user.



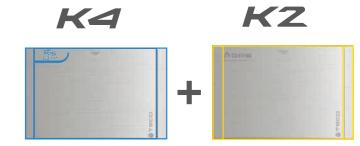


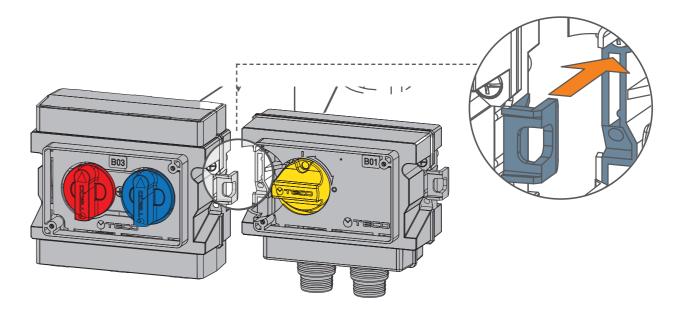


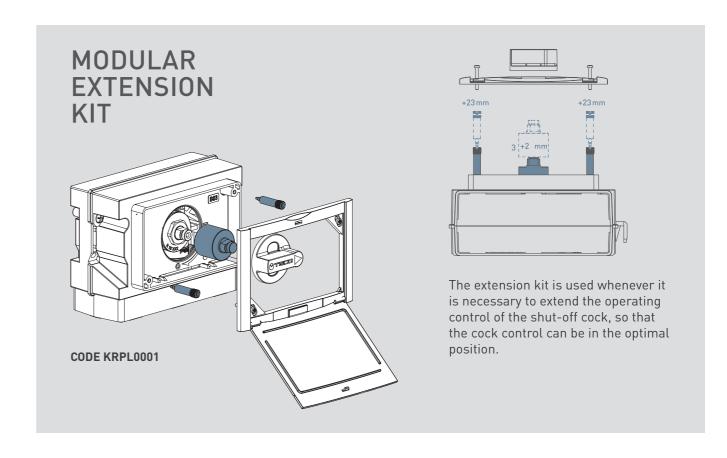
# LINK

### STRENGTH THROUGH UNITY

All valves in the K series for water systems (K4) and gas systems (K2) can be linked for secure and precise alignment.







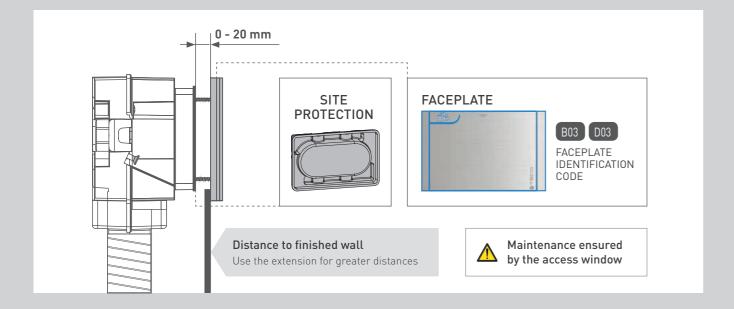


# **SANDWICH BOX**

**PRACTICAL TO INSTALL** 

### **BENEFITS**

- Less deep (can be installed in a 10 cm finished wall)
- Strong structure
- Special brackets can adjust the installation depth in the wall
- Easier access during installation





## HIGH PERFORMANCE

TECO TOP ENTRY® ball valves have an effective flow that complies with **EN** 806-2 standard: Paragraph 6.1.

### **STANDARDS**

### The EN 806-2 standard: Paragraph 6.1:

"Only install cut-off valves that do not excessively obstruct flow in the system (e.g. ball valves, gate

### **BENEFITS**

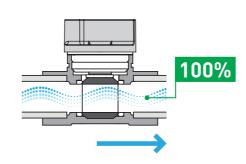
- They have a low pressure drop
- They can replace screw valves, as recommended by EN 806-2

# Solution TECO®

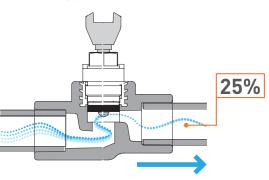
Installation to EN 806-2 standard

Common solution with screw valve

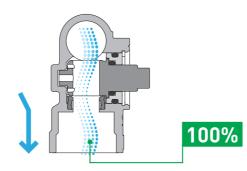
### TECO BALL VALVE



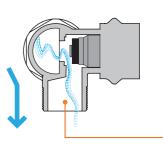
# **SCREW VALVE**



### TECO MANIFOLD WITH OUTLET BALL VALVE



### MANIFOLD WITH OUTLET SCREW VALVE



**65**%

## **APPLICATIONS AND FUNCTIONS**

### K4.0

- MAIN SHUT-OFF (CENTRAL SYSTEM)
- BATHROOM SHUT-OFF ("T" SYSTEM)
- SHOWER SHUT-OFF
- KITCHEN SHUT-OFF
- MAIN BOILER SHUT-OFF



### K4.1

- MAIN SHUT-OFF (AUTONOMOUS SYSTEM)
- WASHING MACHINE SHUT-OFF
- GARDEN / BALCONY SHUT-OFF



### K4.2

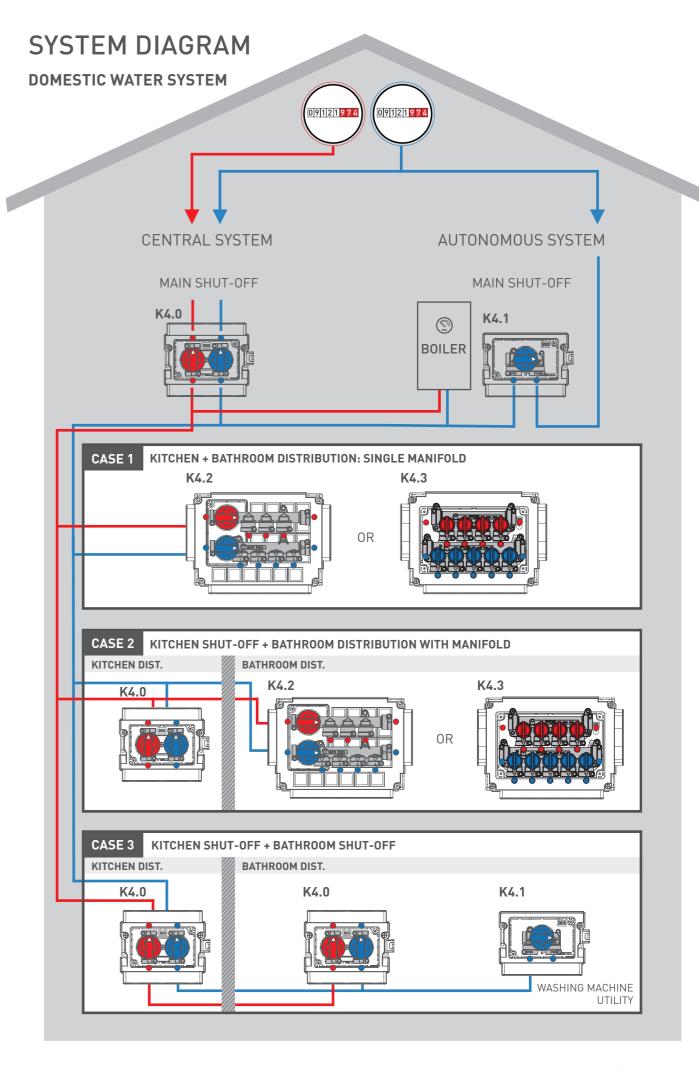
- BATHROOM WATER DISTRIBUTION
- BATHROOM + KITCHEN WATER DISTRIBUTION
- SINGLE SHUT-OFF FOR HOT AND COLD WATER



### K4.3

- BATHROOM WATER DISTRIBUTION WITH SINGLE SHUT-OFF
- BATHROOM + KITCHEN WATER DISTRIBUTION
- INDIVIDUAL SHUT-OFFS FOR HOT AND COLD WATER





114 **§ TECO**\* 115

			DEVICES						FACEPLATES
					CON	NECTI	ONS		
	DN		CODE	EK3/4"	R <sub>P</sub> 1/2"	R <sub>P</sub> 3/4"	FAS	TEC	
K4.0					EN 10226	EN 10226	FIB	F14	
K4.0	15		K400BE10100	•					
	15		K400B110100		•				B03
	20		K400B110200			•			
	15	F	K400BF10100				•		A SECTO
	20	F	K400BF30100					•	WHITE
	15/20	F	K400BF50100				•	•	KPLB0301600
K4.1	15		K401BE10100	•					POLISHED CHROME KPLB0301M00 SILVER
	15	F	K401BF10100				•		KPLB0301800  COPPER KPLB0301700
-1-1-	20		K401BF30100					•	BLACK SOFT TOUCH KPLB0301A00
K4.2	15	F	K402BF10100 Outlets 5 + 4				•		
K4.3	15	F	K403DF10100 Outlets 5 + 4				•		D03
	15	F	K403DF10200 Outlets 4+3				•		WHITE KPLD0301600  POLISHED CHROME KPLD0301M00  SILVER KPLD0301800  BLACK SOFT TOUCH KPLD0301A00



THE SHUT-OFF DEVICES **USE FASTEC® STORE FITTINGS** 

SEE PAGE 32



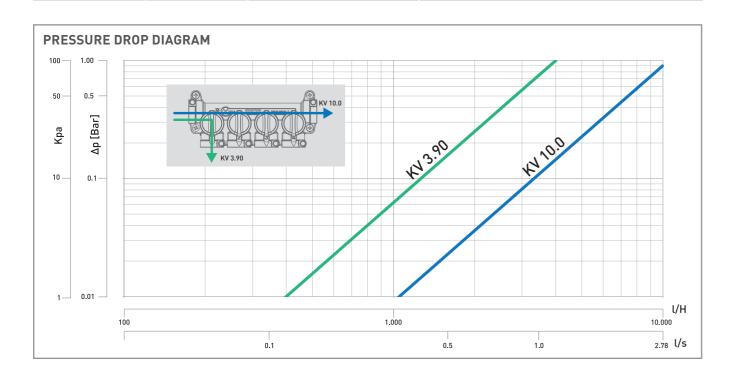
### **MULTIPLE SHUT-OFF MANIFOLD**

# WINNER 2015 DESIGN PLUS powered by: SH

- K4.3 compact distribution manifold
- Shut-off valves on the individual outlets so there is no need for valves under the basin
- With flush-mounting, serviceable Sandwich box
- The FASTEC® connection is convenient and safe to work with, and does not require maintenance
- The faceplates allow full access to the manifold
- The faceplate Design and finishes are suitable for exposed installation
- TOP-ENTRY® removable shut-off valveswith Soft Turn® full-flow anti-jamming balls



S	PECIFICATIONS		TECHNOL	OGIES	DESIGN FEATURES			
	Body	CW617 Brass						
Material	Sandwich Box	PS						
2	Balls	Engineered polymer	100%	90°	<b>DVGW</b> product		T	
Co	onnections	FASTEC®	HIGH PERFORMANCE	SOFT TURN	CERTIFIED PRODUCT	SANDWICH BOX	Accessibility	
	orking essures	PN10 (10 bar)		0	<b>J</b>	DESIGN <b>PLUS</b>		
Te	emperature	0°C + 95 °C	FASTEC®	TOP-ENTRY	Сомраст	Design	SHUT-OFF BUILT INTO THE MANIFOLD	
	andard nd certification	DIN EN 13828 (KTW-W270) DVGW						



## FASTEC

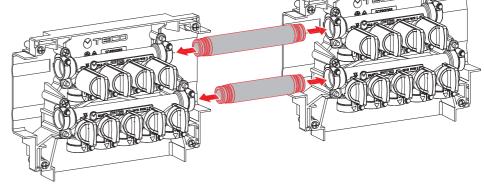


### **CONNECTION KIT**

The FASTEC® kit provides the plumbing connections for 2 manifolds, giving up to 10+8 outlets with individual shut-off valves.

The performance of the individual manifold outlets remain almost unaffected.

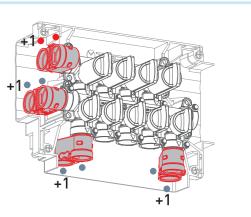
### CODE KA00K00007

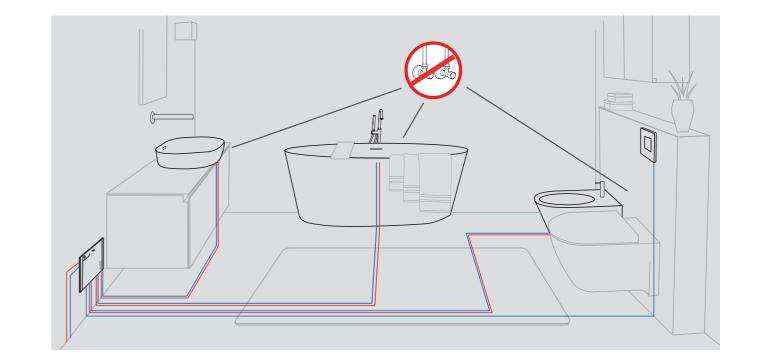


### **TWIN 1 FITTING**

Fastec® Twin fittings make it possible to increase the number of connections. In this way you can simplify complex system solutions.

### CODE KA00F10001



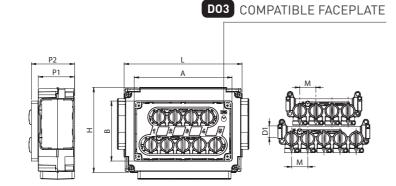


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• PN10 (10 bar) 0 °C + 95 °C

INCLUDES: fixing bracket, site protection cover DOES NOT INCLUDE: faceplate and



	Code	DN	Outlets	D1	М	L	Н	P1	P2	Α	В	Pack
F	K403DF10100	10	5 + 4	F13	32	234	170	72	85	194	119	5
	K403DF10200	10	4 + 3	F13	32	234	170	72	85	194	119	5

THE K4.3 MANIFOLD USES **FASTEC® STORE FITTINGS ONLY** 

SEE PAGE 32

### K4.3 Multiple shut-off manifold

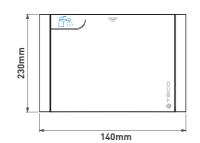
A compact pre-assembled distribution manifold kit with 5+4 outlets, brass body with Top Entry® removable shut-off valves (5 or 4 cold + 4 or 3 hot) on each outlet in accordance with the DIN EN 13828 standard, with "soft turn" seals and PPSU full-flow balls. Quick coupling fittings with FASTEC® technology and locking pin. Sandwich box housing made of impactresistant PS, with plaster protection cover. Manually openable faceplate, available in four finishes. Temperature: 0 °C + 95 °C.

Working pressure: 10 bar.

### D03 **FACEPLATES**



Faceplate 230x140mm.

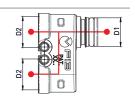


Code	Finish	Pack
KPLD0301600	White	5
KPLD0301M00	Polished chrome	1
KPLD0301800	Silver	1
KPLD0301A00	Black	1

### **TWIN 1 FITTING**



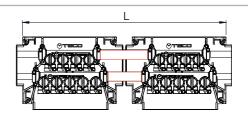
Fastec TWIN Fastec® connection

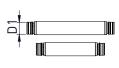


	Code	D1	D2	Pack
F	KA00F10001	F13M	2xF13F	10

### **CONNECTION KIT**





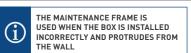


	Code	D1	Pack	
F	KA00K00007	F13M	5	

### K4.3 ACCESSORIES

### **MAINTENANCE FRAME**





Code	DN	Pack
KRPL0005	250x160x20 mm	1

### **SPARE PARTS**

### **TECO CONTROL KIT**





Code	DN	Pack
KR00K00002	10	1

### **HANDLE KIT**



Control handle KIT (2)

Code	Colour	Pack
KA00K40004	BLUE / RED	1

120 **TECO ♦ TECO**\* 121

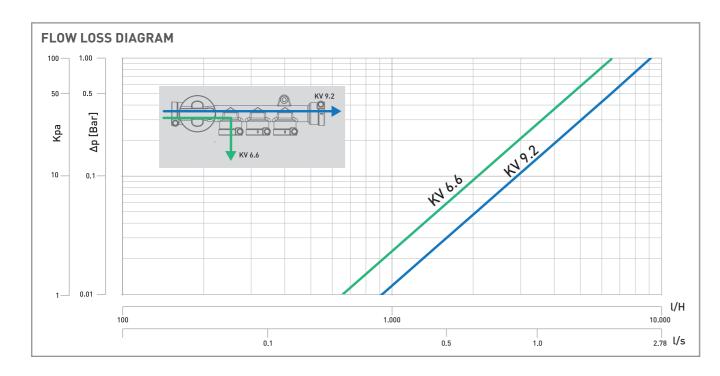
# K SERIES

### SINGLE SHUT-OFF MANIFOLD

- K4.2 compact distribution manifold
- Main shut-off
- With flush-mounting and serviceable Sandwich box
- The FASTEC® connection is convenient and safe to work with, and does not require maintenance
- The **compact faceplates** make it possible to access the shut-off valves
- The faceplate Design and finishes are suitable for exposed installation
- TOP-ENTRY® removable shut-off valves with Soft Turn® full-flow anti-jamming balls



SI	SPECIFICATIONS		TECHNOLOGIES		DESIGN FEATURES				
	Body	CW617 Brass							
Material	Sandwich Box	PS							
Σ	Balls	Engineered polymer		90°	<b>DVGW</b> product				
Co	nnections	FASTEC®	HIGH PERFORMANCE	SOFT TURN	CERTIFIED PRODUCT	SANDWICH BOX	Accessibility		
	orking essures	PN10 (10 bar)		0	<b>/</b>	DESIGN PLUS			
Temperature		0°C + 95 °C	FASTEC®	TOP-ENTRY	Сомраст	Design			
	andard d certification	DIN EN 13828 (KTW-W270) DVGW							



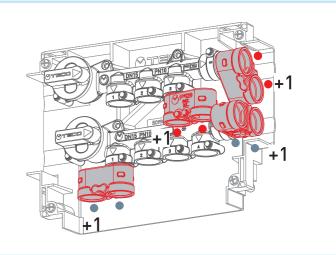
# FASTEC

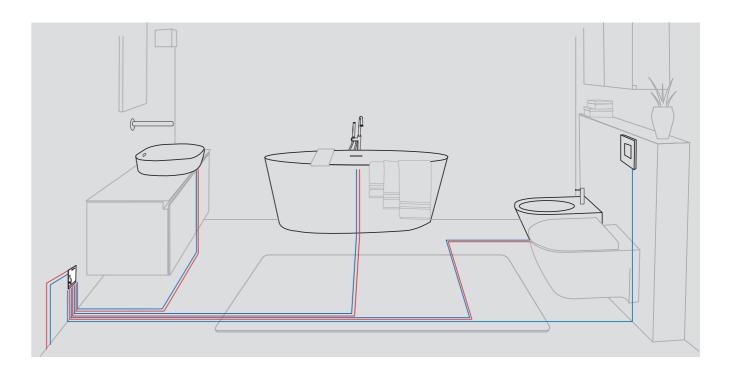


### TWIN 1 FITTING

Fastec® Twin fittings make it possible to increase the number of connections. In this way you can simplify complex system solutions.

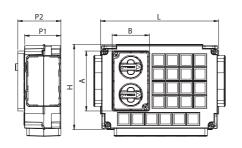
CODE KA00F10001

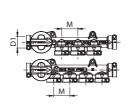




• PN10 (10 bar)

INCLUDES: fixing bracket, site protection cover DOES NOT INCLUDE: faceplate and





**B03** COMPATIBLE FACEPLATE

	Code	DN	D1	М	L	Н	P1	P2	Α	В	Faceplate	Pack
F	K402BF10100	10	F13	32	234	170	72	85	119	74	B03	5



**THE K4.2 MANIFOLD USES FASTEC® STORE FITTINGS ONLY** 

SEE PAGE 32

### K4.2 Single Shut-off Manifold with 5+4 outlets

A compact pre-assembled distribution manifold kit with 5+4 outlets, brass body with Top Entry® removable hot/cold shutoff valves in accordance with the DIN EN 13828 standard, with "soft turn" seals and PPSU full-flow balls. Quick coupling fittings with FASTEC F13 technology and locking pin. Easily serviceable sandwich box made of impact-resistant PS, with depth adjustment brackets and plaster protection cover.

Opens and closes by turning the handles by 90°, manually openable faceplate available in five finishes.

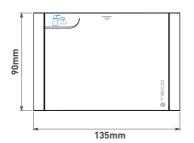
Temperature: 0 °C + 95 °C.

Working pressure: 10 bar.

### B03 **FACEPLATES**



Faceplate 135x90mm.

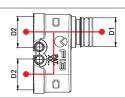


Code	Finish	Pack
KPLB0301600	White	10
KPLB0301M00	Polished chrome	5
KPLB0301800	Silver	5
KPLB0301A00	Black	5
KPLB0301700	Copper	5

### **TWIN 1 FITTING**



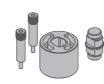
TWIN fitting Fastec® connection



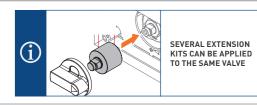
	Code	D1	D2	Pack
F	KA00F10001	F13M	2xF13F	10

#### **ACCESSORIES** K4.2

### **MODULAR EXTENSION KIT**



Extension ·23mm· modular + screws + faceplate extensions



Code	Pack
KPR0001	1

### MAINTENANCE FRAME



THE MAINTENANCE FRAME IS USED WHEN THE BOX IS INSTALLED INCORRECTLY AND PROTRUDES FROM THE WALL

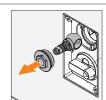
Code	DN	Pack
KRPL0004	150x100x20 mm	1

### **SPARE PARTS**

### **TECO CONTROL KIT**



TECO-CONTROL spare parts kit



Code	DN	Pack
KR00K00001	15	1

### **HANDLE KIT**







2 BLUE (TOP + BOTTOM) 1 RED

Code	Colour	Pack
KA00K40001	BLUE / RED	1

**♦ TECO**° 125 124 **TECO** 

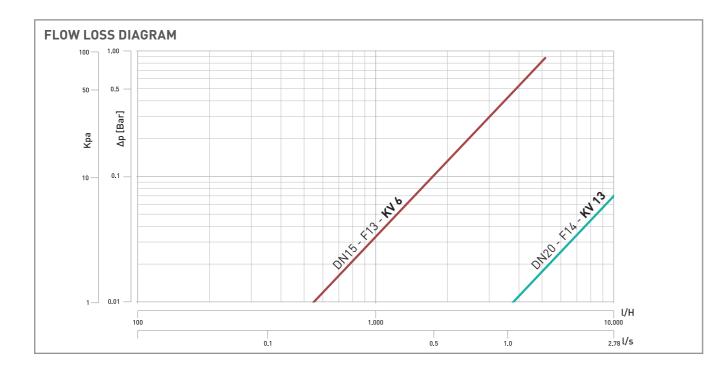
K SERIES

### SINGLE SHUT-OFF

- K4.1 compact shut-off cock
- Main shut-off
- With flush-mounting, serviceable Sandwich box
- The FASTEC® connection is convenient and safe to work with
- The **faceplates** make it possible to access the shut-off valves
- The faceplate **Design** and **finishes** are suitable for exposed installation
- TOP-ENTRY® removable shut-off valves with Soft Turn® anti-jamming ball



SPECIFICATIONS		TECHNOL	OGIES	DES	IGN FEATURE	S	
	Body	CW617 Brass					
Material	Sandwich Box	PS					
2	Balls	Engineered polymer	100%	90°	<b>DVGW</b> product		7
Co	onnections	FASTEC® Eurocono (ISO 228-1)	HIGH PERFORMANCE	SOFT TURN	CERTIFIED PRODUCT	SANDWICH BOX	Accessibility
	orking essures	PN10 (10 bar)	F	0	<b>J</b>	DESIGN <b>PLUS</b>	
Te	mperature	0 °C + 95 °C	FASTEC®	TOP-ENTRY	Сомраст	Design	Link
	andard nd certification	DIN EN 13828 (KTW-W270) DVGW					



# FASTEC

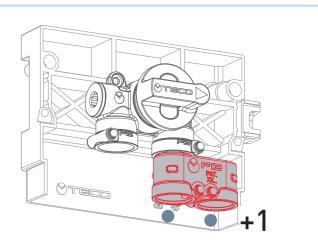


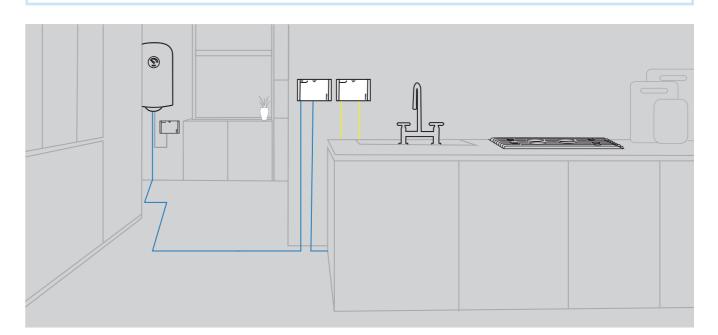
### **TWIN 1 FITTING**

Fastec® Twin fittings make it possible to increase the number of connections. In this way you can simplify complex system solutions.

The FASTEC® TWIN Fitting can be used either upstream or downstream from the device.

CODE KA00F10001

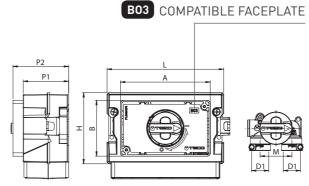






• PN10 (10 bar) • 0 °C + 95 °C

INCLUDES: fixing bracket, site protection cover DOES NOT INCLUDE: faceplate and



	Code	DN	D1	М	L	Н	P1	P2	Α	В	Faceplate	Pack
	K401BE10100	15	EK3/4"	42	154	94	60	73	119	74	B03	10
F	K401BF10100	15	F13	42	154	94	60	73	119	74	B03	10
	K401BF30100	20	F14	52.5	194	94	60	73	119	74	B03	5



THE WHOLE RANGE OF FASTEC® FITTINGS **IS DESCRIBED ON PAGE 32** 

### K4.1 Single shut-off valve

Removable ball valve with brass body and Top Entry® system, conforms to the DIN EN 13828 standard, with light "Soft turn®" control, complete with easily serviceable sandwich box. Brackets and protection covers included. Opens and closes by operating the handle, manually openable faceplate available in five finishes.

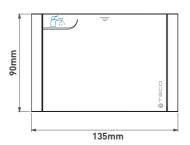
Temperature: 0 °C + 95 °C.

Working pressure: 10 bar.

### B03 **FACEPLATES**



Faceplate 135x90mm.



Code	Finish	Pack
KPLB0301600	White	10
KPLB0301M00	Polished chrome	5
KPLB0301800	Silver	5
KPLB0301A00	Black	5
KPLB0301700	Copper	5

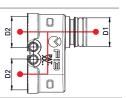
### **TWIN 1 FITTING**

K4.1



TWIN fitting Fastec® connection

**FASTEC® ACCESSORIES** 



	Code	D1	D2	Pack	
F	KA00F10001	F13M	2xF13F	10	

#### **ACCESSORIES** K4.1

### ADAPTER TO CONVERT A EUROCONO SEAL TO A FLAT SEAL



Compatible with all fittings with an ISO228 swivel nut

Code	D1 ISO 228-1	Pack
AP004003	3/4"-EK	10

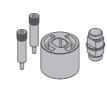
### **EUROCONO COMPRESSION FITTING FOR MULTI-LAYER COMPOSITE PIPES**



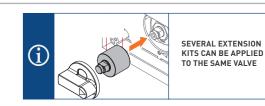
Code	D1 ISO 228-1	D2 PIPE	Pack
KA00K00005	3/4"-EK	16x2	10
KA00K00006	3/4"-EK	20x2	10

### **ACCESSORIES**

### **MODULAR EXTENSION KIT**



Extension ·23mm· modular + screws + faceplate extensions



Code	Pack
KPR0001	1

### MAINTENANCE FRAME



Code	DN	Pack
KRPL0004	150x100x20 mm	1

### K4.1 SPARE PARTS

### TECO CONTROL KIT



TECO-CONTROL spare parts kit



Code	DN	Pack
KR00K00001	15	1

### HANDLE KIT







Code	Colour	Pack
KA00K40001	BLUE / RED	1



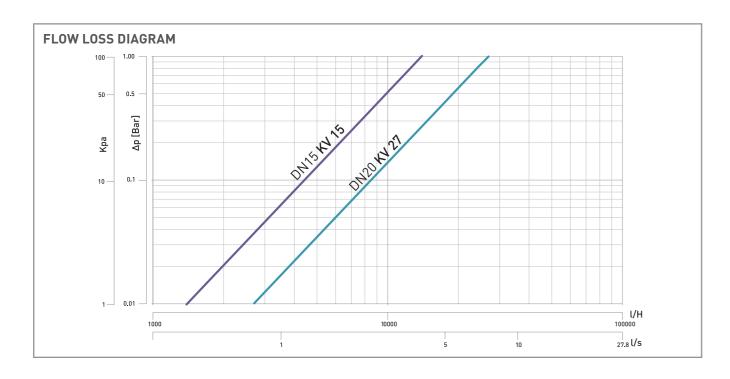


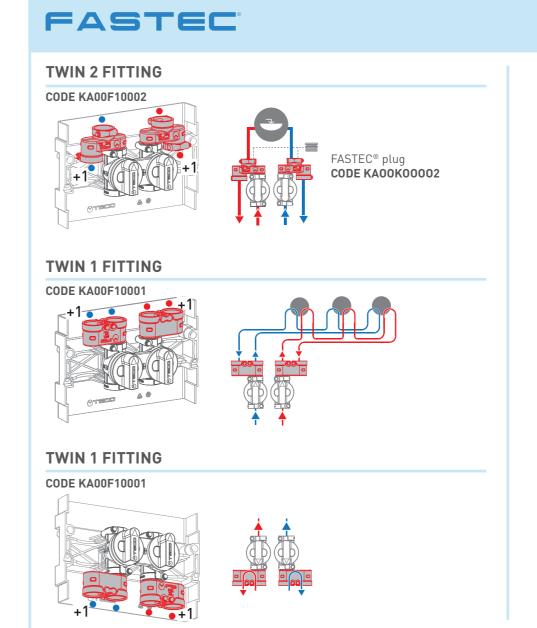
### **DUAL SHUT-OFF**

- K4.0 is a **compact** shut-off kit
- Main shut-off
- With flush-mounting, serviceable Sandwich box
- The FASTEC® connection is convenient and safe to work with
- The **compact faceplates** make it possible to access the shut-off valves
- The faceplate **Design** is suitable for exposed installation
- TOP-ENTRY® removable shut-off valves with Soft Turn® full-flow anti-jamming balls

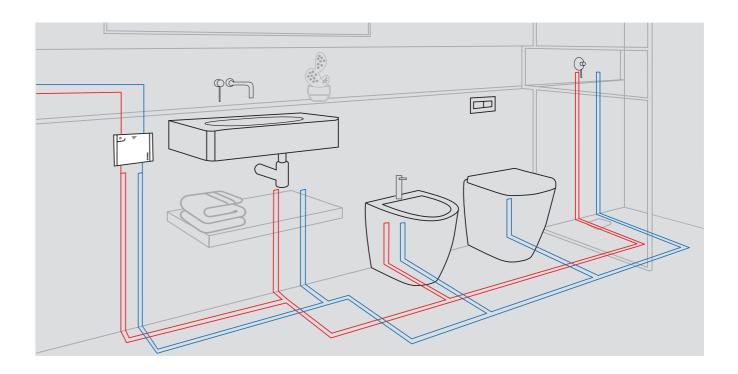


S	SPECIFICATIONS		TECHNOLOGIES		DESIGN FEATURES		S
	Body	CW617 Brass					
Material	Sandwich Box	PS					
Σ	Balls	Engineered polymer	100%	90°	<b>DVGW</b> product		
Co	onnections	FASTEC® Eurocono (ISO 228-1) F threaded (EN10226)	HIGH PERFORMANCE	SOFT TURN	CERTIFIED PRODUCT	SANDWICH BOX	Accessibility
	orking essures	PN10 (10 bar)		0	<b>}</b>	DESIGN PLUS	
Te	mperature	0 °C + 95 °C	FASTEC®	TOP-ENTRY	Сомраст	Design	
	andard nd certification	DIN EN 13828 (KTW-W270) DVGW					

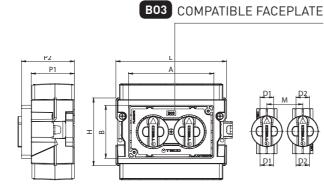




Fastec® Twin fittings make it possible to increase the number of connections. In this way you can simplify complex system solutions.



- PN10 (10 bar) • 0 °C + 95 °C
- INCLUDES: fixing bracket, site protection cover DOES NOT INCLUDE: faceplate and



Code	DN	D1	D2	М	L	Н	P1	P2	Α	В	Pack
K400BE10100	15	EK3/4"	EK3/4"	50	154	115	60	73	119	74	10
K400BF10100	15	F13	F13	50	194	115	60	73	119	74	10
K400B110100	15	Rp1/2"	Rp1/2"	50	154	115	60	73	119	74	10
K400BF30100	20	F14	F14	50	194	154	60	73	119	74	5
K400B110200	20	Rp3/4"	Rp3/4"	50	194	154	60	73	119	74	5
K400BF50100	15/20	F13	F14	50	194	154	60	73	119	74	5



THE WHOLE RANGE OF FASTEC® FITTINGS **IS DESCRIBED ON PAGE 32** 

### K4.0 "DUPLEX" dual shut-off valve

Kit with dual hot and cold valve with removable ball, conforms to the DIN EN 13828 standard, with light "soft turn" control, complete with easily serviceable sandwich box. Brass body with Top Entry system. Brackets and protection covers included. Opens and closes by operating the handles, manually openable faceplate available in five finishes.

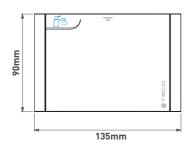
Temperature: 0 °C + 95 °C.

Working pressure: 10 bar.

#### B03 **FACEPLATES**



Faceplate 135x90mm.

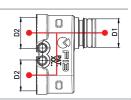


Code	Finish	Pack
KPLB0301600	White	10
KPLB0301M00	Polished chrome	5
KPLB0301800	Silver	5
KPLB0301A00	Black	5
KPLB0301700	Соррег	5

### **TWIN 1 FITTING**



TWIN fitting Fastec® connection

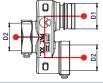


Code	D1	D2	Pack
KA00F10001	F13M	2xF13F	10

### **TWIN 2 FITTING**



TWIN T fitting FASTEC® connection



Code	D1	D2	Pack	
F KA00F10002	F13M	2xF13F	10	

#### K4.0 **FITTINGS**

### **EUROCONO ADAPTER - FLAT SEAL**



EUROCONO adapter -Flat Seal

Code	<b>D1</b> ISO 228-1	Pack
AP004003	3/4"-EK	10

### **EUROCONO COMPRESSION FITTING FOR MULTI-LAYER COMPOSITE PIPES**



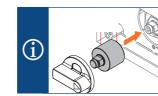
**EUROCONO** compression fitting for connecting multi-layer composite pipes

Code	<b>D1</b> ISO 228-1	D2 PIPE	Pack
KA00K00005	3/4"-EK	16x2	10
KA00K00006	3/4"-EK	20x2	10

### **MODULAR EXTENSION KIT**



Extension ·23mm· modular + screws + faceplate extensions



SEVERAL EXTENSION KITS CAN BE APPLIED TO THE SAME VALVE

Code	Pack
KPR0001	1

### B03 MAINTENANCE FRAME





THE MAINTENANCE FRAME IS USED WHEN THE BOX IS INSTALLED INCORRECTLY AND PROTRUDES FROM THE WALL

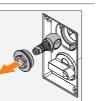
Code	DN	Pack
KRPL0004	150x100x20 mm	1

### K4.0 SPARE PARTS

### TECO CONTROL KIT



TECO-CONTROL spare parts kit



Code	DN	Pack
KR00K00001	15	1

### **HANDLE KIT**







2 BLUE (TOP + BOTTOM) 1 RED

Code	Colour	Pack
KA00K40001	BLUE / RED	1

