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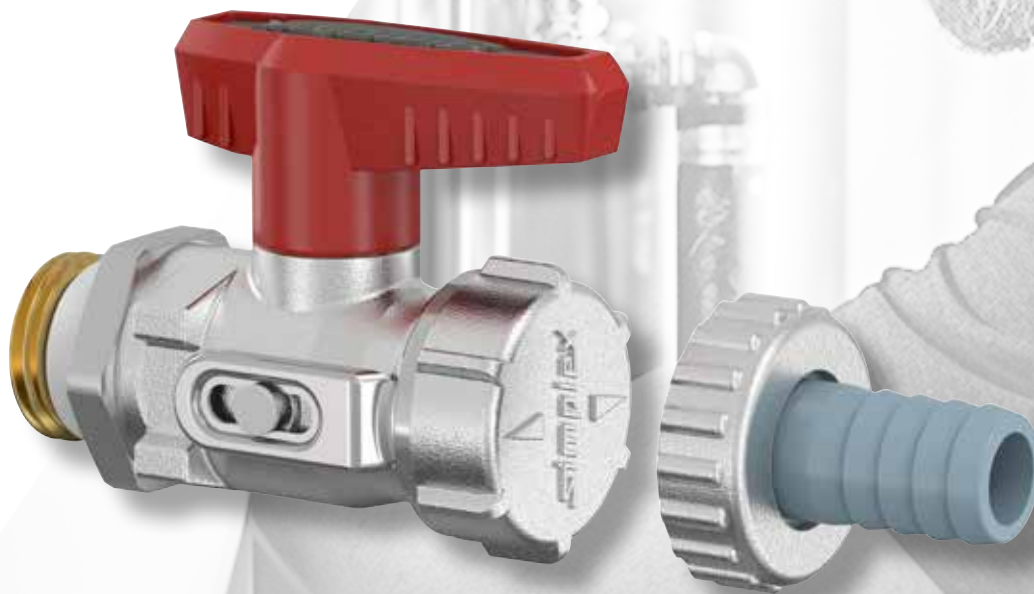
5
years
warranty

30
years proven
quality

that's excellence.

Simplex KFE Ball Valves

guaranteed quality and reliability



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The Simplex KFE Ball Valve is a high quality ball valve, suitable for filling, draining and flushing any type of water based installation. Since its introduction in the 1990s, the Simplex KFE has proved its worth millions of times.

The Simplex KFE Ball Valve offers a large number of unique features and benefits. Thanks to its special thread seal, the valve is easily to install and thanks to the large bore, the KFE helps to save time. On average with Simplex KFE filling, draining or flushing an installation goes 50%(!) faster.

the best fill and drain valve for heating, drinking water and solar

The Simplex KFE ball valve is perfectly suited for public spaces. The handle is easily detachable without tools. The sealing cap is attached to the valve body and cannot get lost. One of the 'secret' features is that the sealing cap can also be used to open or close the valve.

Available in 3 versions:



Heating and cooling



Drinking water
(with DVGW approval)



Solar

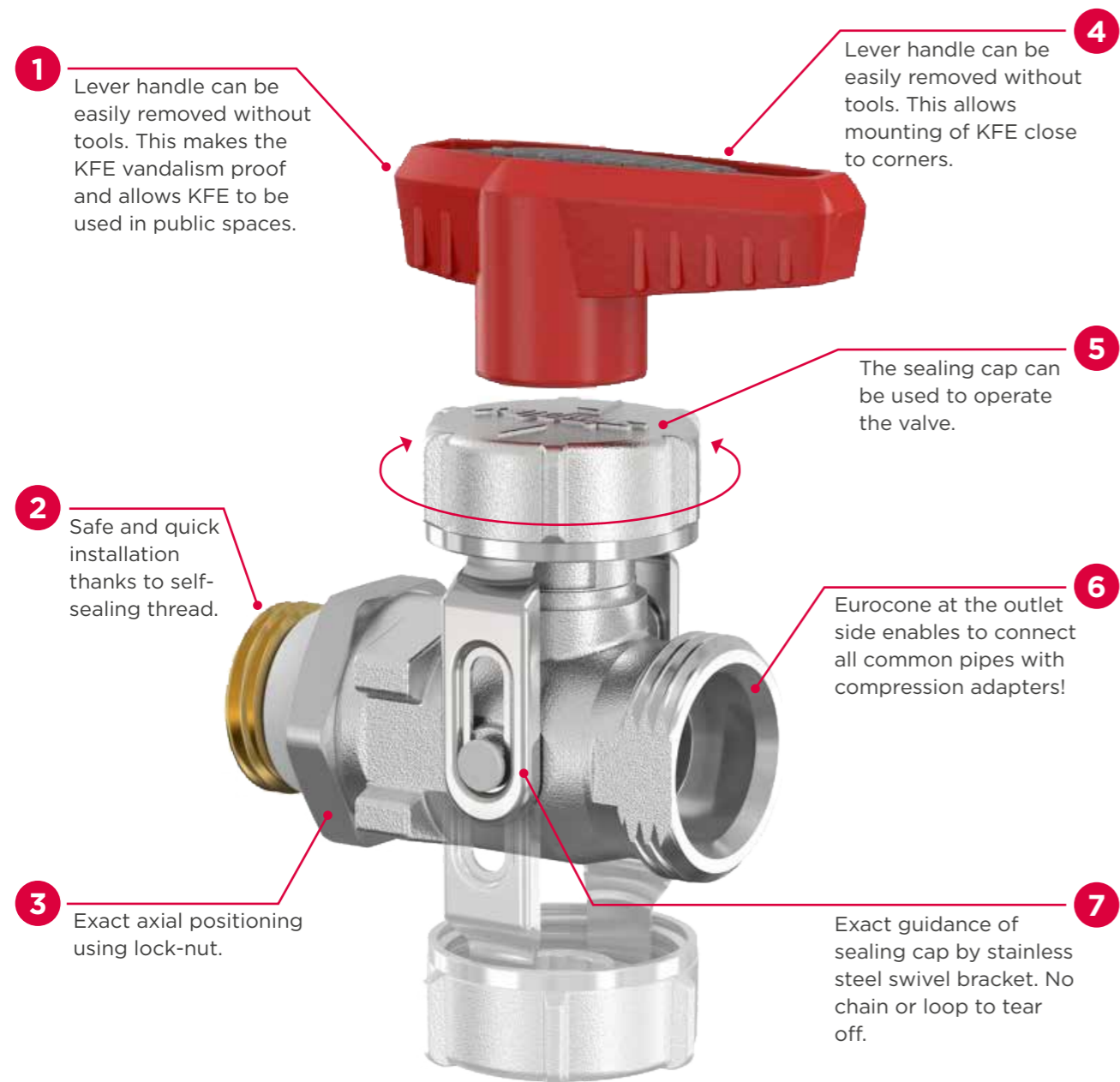
features and benefits at a glance

- For heating, drinking water and solar
- Ease of installation even close to corners
- Safe installation thanks to self-sealing thread
- Exact axial positioning using lock nut
- Exact guidance of blind cap by stainless steel swivel bracket - no chain or loop to tear off
- Hidden operating element by blind cap, which serves as a manual wheel
- Convenient and time saving operation



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Smart in all aspects



Up to 50% faster draining and filling!



And more benefits



Easy installation. Tightening with hand. Tools and sealing material are not needed.



Thanks to the detachable handle, the KFE can be easily installed close to corners.



The KFE allows for fixing with an allen key, preventing damaging the outside.



Eurocone at the outlet side enables to connect all common pipes with compression adapters!

The quality is in the details

The seal is what matters

Simplex self-sealing threaded connections have long been a firm favourite on the market. It is no wonder as they are the result of many years of development work and extensive knowledge and expertise. The benefits are convincing: self-sealing threaded connections are permanently tight and the need for additional sealing with hemp is a thing of the past.

The secret of Simplex's success is made up of five building blocks, which Simplex has perfectly combined:

1. Raw Mixture

Resistance to heat and ageing is crucial when it comes to seals in heating systems. Simplex seals therefore are manufactured using a unique, specially developed formula.

2. Vulcanization

Seals exposed to temperature must be fully vulcanized (cross-linked) during the manufacturing process. Simplex easily meets these requirements in full. Our production runs automatically on modern machines at our factory.

3. Interconnection

Normally sulphur-cured EPDM seals are used in heating systems. They shrink when exposed to heat and therefore cannot guarantee permanent leak-tightness. Simplex seals, on the other hand, are made of an ageing-resistant, peroxide-cross-linked raw mixture.

4. Hardness Setting

Another special feature: the hardness of Simplex seals has a narrow tolerance range of 85 Shore. This makes them harder than commonly known seals made of flexible materials.

5. Coating

The white coating makes Simplex seals mechanically tough, abrasion-resistant and friction-free.

Simplex KFE Ball Valves for Drinking water

The Simplex KFE ball valve, which has proved itself millions of times over, is also available for domestic water installation – certainly put through its paces!

The German Drinking Water Ordinance [TrinkwV] requires that only materials are used that comply with the generally recognised rules of technology. This KFE ball valve from Simplex is DVGW-certified and therefore fulfils all the requirements placed on a drinking water valve:

- Suitable for all domestic water systems in line with the current Drinking Water Directive (TrinkwV)
- Screw-in nipple made of dezincification-resistant brass
- DVGW-certified
- Available as a straight and angle version



Application examples



Example: small boiler room



Example: with hybrid heatpump / gas boiler

Simplex KFE Product range

Heating Male Thread / Straight				
Version	Hose Connection	Connection	Part No.	
	-	G1/2" M (DN15)	F10637	
	yes	G1/2" M (DN15)	F10638	
	-	G1/2" M (DN15)	F10640	
	yes	G1/2" M (DN15)	F10641	
	-	G1/2" M (DN15)	F10644	
	-	G1/2" M (DN15)	F10657	
	yes	G3/4" M (DN20)	F10680	

Heating Male Thread / Angled				
Version	Hose Connection	Connection	Part No.	
	-	G1/2" M (DN15)	F10670	
	yes	G1/2" M (DN15)	F10671	
	-	G1/2" M (DN15)	F10673	
	yes	G1/2" M (DN15)	F10674	
	-	G1/2" M (DN15)	F10677	
	-	G1/2" M (DN15)	F10658	


Heating Female Thread				
Version	Hose Connection	Connection	Part No.	
	-	G1/2" F (DN15)	F10634	
	yes	G1/2" F (DN15)	F10646	
	-	G1/2" F (DN15)	F10664	
	yes	G1/2" F (DN15)	F10676	

Technical information				
Appli-cation	Operating pressure	Operation temperature	Short term temperature	Medium
Heating & cooling	max. 10 bar	max. 110 °C	max. 130 °C	Heating water, Glycol mixture up to 50%
Drinking water	max. 10 bar	max. 110 °C	max. 130 °C	Heating water, Drinking water
Solar	max. 10 bar	max. 180 °C	max. 200 °C	Heating water, Glycol mixture up to 50%

Drinking water Male Thread				
Version	Hose Connection	Connection	Part No.	
	-	G1/2" M (DN15)	F10639	
	-	G1/2" M (DN15)	F10669	

Solar Male Thread				
Version	Hose Connection	Connection	Part No.	
	-	G1/2" M (DN15)	F10647	
	yes	G1/2" M (DN15)	F10648	

For dimensions, please visit our website :



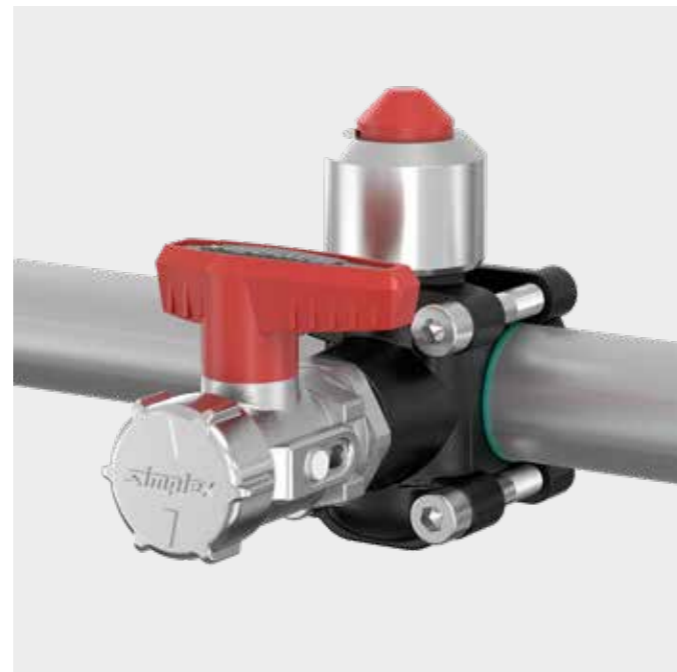
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Simplex KFE and T-plus

Branching while the system continues to operate:

If you don't have a possibility to drain your system, you can install one using a Flamco T-plus. T-plus can be installed easily and quickly, while the system continues to operate. The T-plus saves installation time and costs and has a positive impact on the lifespan of the installation, as simply because the installation does not need to be drained and topped up again, which means that the water does not need to be frozen. This prevents fresh air and dirt in the system and consequently, prevents faults linked to these.

Another advantage is the certainty of a perfect branch thanks to the smart trigger. Even where space is restricted. Moreover, the gasket ensures that there is an optimum seal so that there is zero chance of leakage.



T-plus advantages

- Saves installation time and costs.
- Branching while the system continues to operate.
- No need to drain and therefore, prevents additional air and dirt in the system.
- Always a perfect branch due to the trigger.
- Easy to create a branch, even where space is restricted.
- Optimal sealing in the pipeline.
- Anti-corrosion coating.
- Simple preparatory installation with click-in nuts (on models from 1.1/2").

More products for Filling and Draining

Under the Flamco-brand, Aalberts hydronic flow control offers a wide range of products for filling, draining and flushing any heating, cooling, drinking water or solar installation.

Fill, flush and drain products for radiators and underfloor heating manifolds



Fill and Drain Plugs
EXKLUSIV Serie



Fill and Drain Plugs
STANDARD Serie



Fill and Drain Plugs
brass / composite



Fill and Drain Plug
Self opening / closing

Topping-up of Installation



Prescor IC Fill



Manofiller and Prescofiller



Flexcon PA Pressurisation
Assistant



Uni-Fill P Filling Loop

Draining/Balancing of Installation



NexusValve Fluctus with
Fill and Drain Valve



NexusValve Vertex with
Fill and Drain Valve

Accessories



T-plus Brass and Cast iron

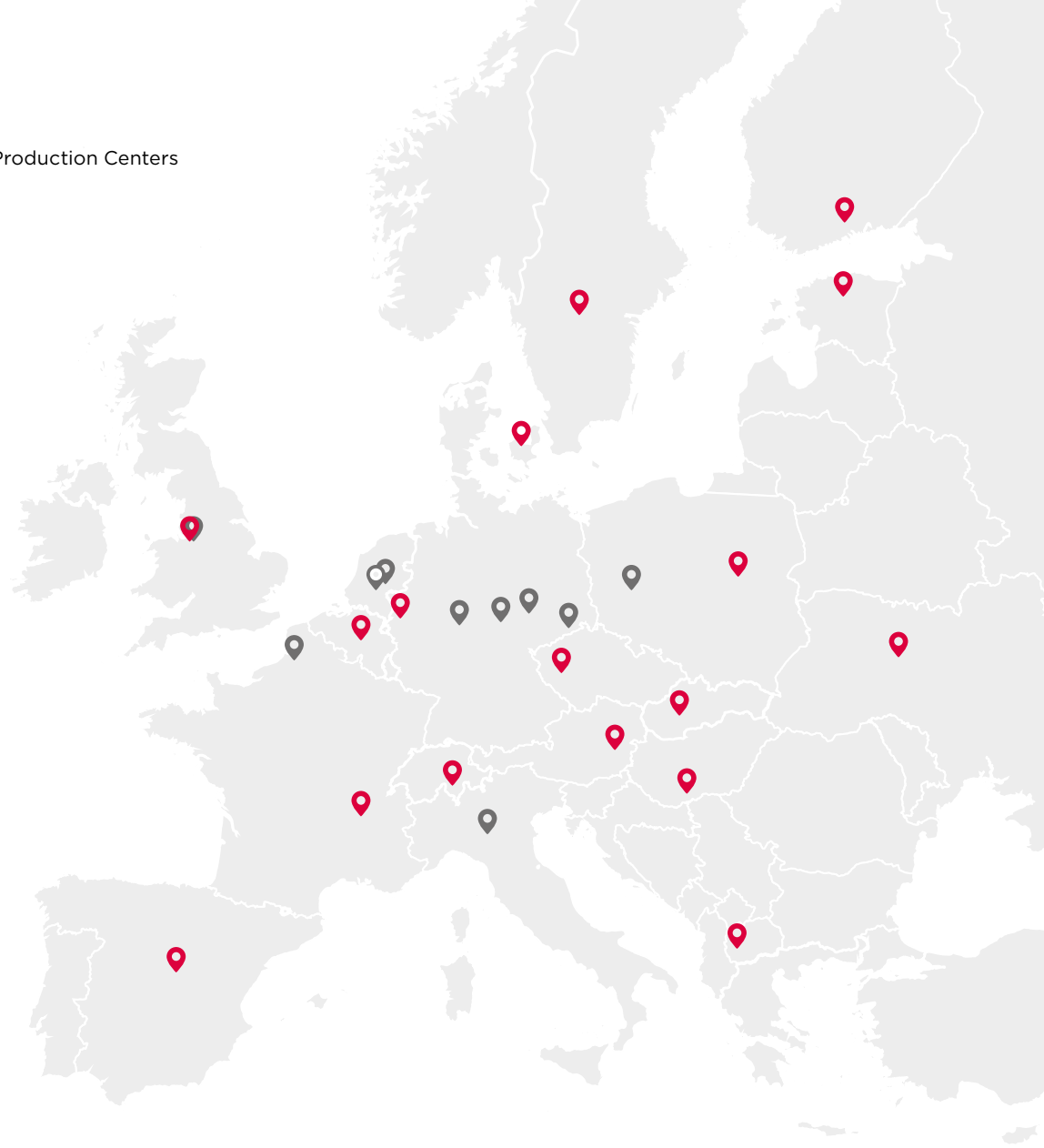


Flexcon Draintub



 Competence & Production Centers

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