

Boiler Room Valves



KFE Ball ValvesPump Ball Valves, Pump Valve Sets, Ex-Couplings



KFE Ball Valve with Male Thread



KFE Ball Valve with Male Thread, Long Version



KFE Ball Valve for Potable Water



Socket Ball Valve with Red Thermometer Handle



P. 37

P. 32





KFE Ball Valve with Male Thread, Silicone-free



KFE Ball Valve for Solar



Socket Ball Valve with Blue Thermometer Handle



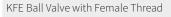
P. 38

P. 33

KFE Ball Valve with Male Thread without Handle



P. 25





P. 30

Socket Ball Valve with Lever Handle



Socket Ball Valve with Press Connection and Blue Thermometer Handle



P. 39



Pump Ball Valve with Press Connection and Lever Handle

P. 40



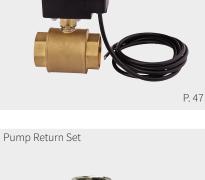
Pump Ball Valve w. Integral Backflow Limiter, Press Connection and Thermometer Handle



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P. 51



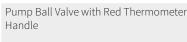


Pump Ball Valve with Lever Handle

Pump Ball Valve with Integral Backflow Limiter and Lever Handle

Socket Ball Valve with Motorized Actuator







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Pump Ball Valve with Integral Backflow Limiter and Red Thermometer Handle



P. 45

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Thermometer Handle

P. 48

Pump Valve Set

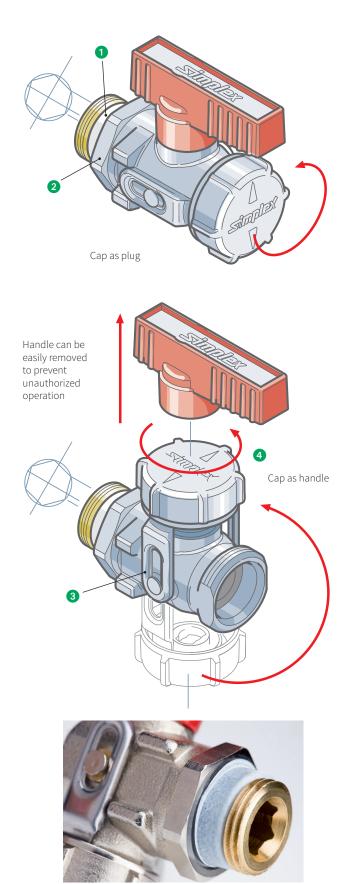


Pump Supply Set





KFE BALL VALVES



Advantages

- 1 Safe installation thanks to self-tightening thread seal
- 2 Exact axial positioning using lock nut
- 3 Exact positioning of blanking cap guide with stainless steel swivel bracket no chain or loop to tear off
- 4 Hidden operating possibility using the blanking cap which serves as a hand wheel

The seal is what matters.

The advantages are convincing: Threaded connections are permanently sealed and additional adhesives or elastomers are not necessary. The secret of our success is five building blocks, which Simplex has optimally combined:

Raw Mixture

Resistance against heat and the effects of aging are extremely important issues for heating systems seals. Thus, Simplex seals are manufactured to a unique, specially developed formula.

Interconnection

Normally sulphur cured EPDM seals are used in heating systems. These shrink when exposed to heat and therefore cannot guarantee a permanent leak-tightness. In opposition Simplex seals are made of a non-aging, peroxide-crosslinked raw mixture.

Vulcanization

Temperature stressed seals must be fully vulcanized (crosslinked) during the manufacturing process. Simplex easily meets these requirements with modern machines at its factory.

Hardness Setting

Another special feature: The hardness of Simplex seals is set with a narrow tolerance range of 85 Shore. This makes them harder than commonly known seals made of elastic materials.

The Coating

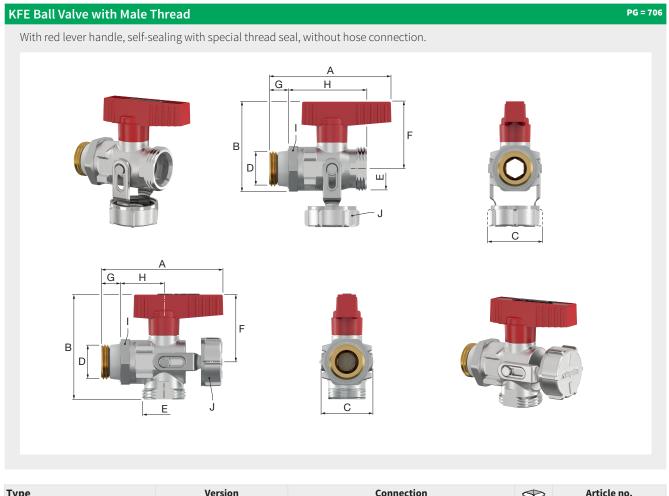
The white coating makes Simplex seals mechanically tough, abrasion resistant and friction free.



KFE BALL VALVES FOR HEATING

KFE ball valve for use in heating systems.

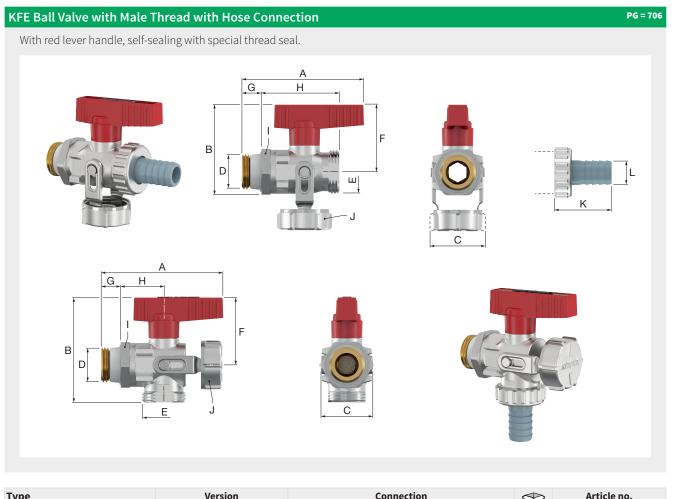
- Components made of nickel-plated brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar



Туре	Version	Conne	ection		Article no.
		D	E	\checkmark	
KFE-KH - D	straight	G 1/2" M	G 3/4" M	20	F10637
KFE-KH - E	angle	G 1/2" M	G ³/4" M	20	F10670



Туре		Dimensions [mm]									
	Α	A B C F G H I (WS) J (WS)									
KFE-KH - D	72	52.5	32.5	40	11	46.5	27	30			
KFE-KH - E	72	62.0	31.0	40	11	26.0	27	30			



Туре	Version	Conne	ection		Article no.		
		D	E	\checkmark			
KFE-KH - D SV	straight	G 1/2" M	G ³/4" M	20	F10638		
KFE-KH - E SV	angle	G 1/2" M	G ³/4" M	20	F10671		

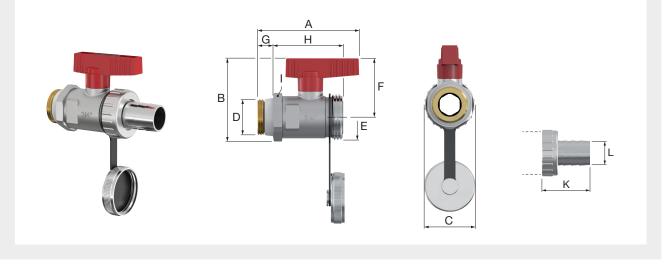
Туре		Dimensions [mm]									
	Α	В	С	F	G	н	I (WS)	J (WS)	К	L (Ø)	
KFE-KH - D SV	72	52.5	32.5	40	11	46.5	27	30	33	14.5	
KFE-KH - E SV	72	62.0	31.0	40	11	26.0	27	30	33	14.5	



KFE Ball Valve with Male Thread DN 20 with Hose Connection

PG = 706

With red lever handle, self-sealing with special thread seal.



Туре	Version	Conne	ection		Article no.
		D	E	\checkmark	
KFE-KH DN20 - D SV	straight	G ³/4" M	G 1" M	10	F10680

Туре		Dimensions [mm]									
	Α	A B C F G H I(WS) K L(Ø)									
KFE-KH DN20 - D SV	73	60	37	42.5	11	50	32	35	20		

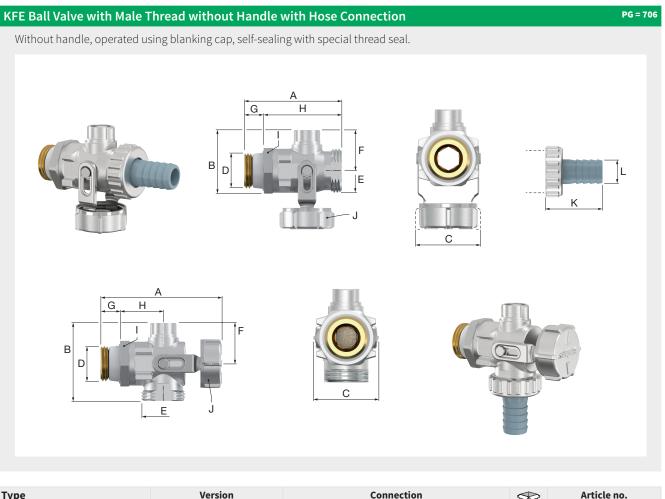
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KFE Ball Valve with Male Thre	ead without Handle				PG = 706
Without handle, operated using	blanking cap, self-seali	ng with special thread se	eal, without hose conne	ection.	
	BD				
	F	c			angua L
уре	Version	Conne			Article no.
(FE-KH without handle - D	straight	D G ¹ / ₂ " M	E G ³ /4" M	20	F10644*
<pre>KFE-KH without handle - E</pre>	angle	G 1/2" M	G ³/4" M	20	F10677*

* discontinued article

Туре		Dimensions [mm]									
	Α	A B C F G H I(WS) J(WS)									
KFE-KH without handle - D	57.5	37.5	32.5	24	11	46.5	27	30			
KFE-KH without handle - E	71.3	49.5	31.0	24	11	26.0	27	30			

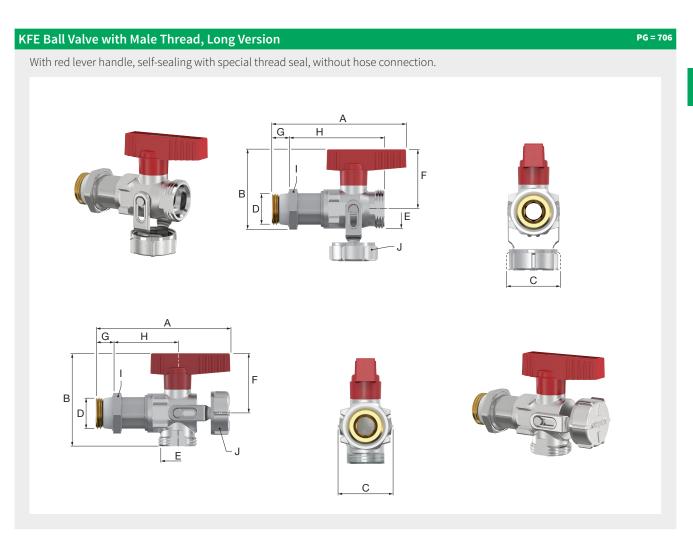




Туре	Version	Version Connect			Article no.
		D	E	\checkmark	
KFE-KH without handle - D SV	straight	G 1/2" M	G ³/4" M	20	F10645*
KFE-KH without handle - E SV	angle	G 1/2" M	G ³/4" M	20	F10678*
* discontinued article					

Dimensions

Туре		Dimensions [mm]								
	Α	В	С	F	G	н	I (WS)	J (WS)	К	L (Ø)
KFE-KH without handle - D SV	57.5	37.5	32.5	24	11	46.5	27	30	33	14.5
KFE-KH without handle - E SV	71.3	49.5	31.0	24	11	26.0	27	30	33	14.5

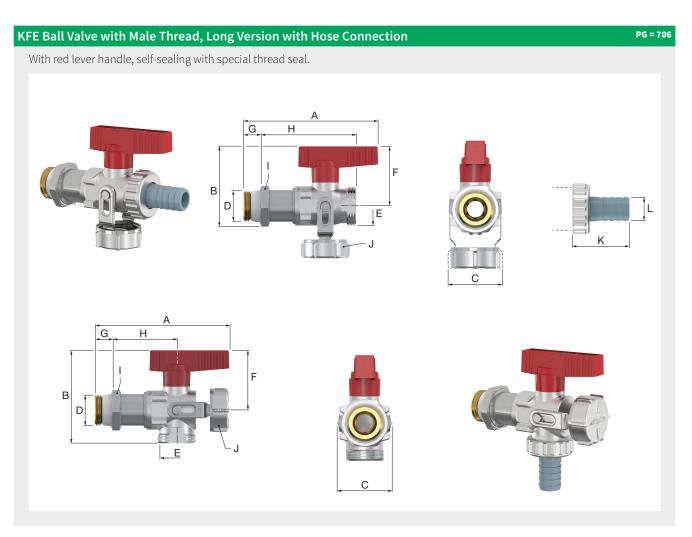


Туре	Version	Conn	ection		Article no.	
		D	E	\checkmark		
KFE-KH long - D	straight	G 1/2" M	G ³/4" M	20	F10640*	
KFE-KH long - E	angle	G 1/2" M	G ³/4" M	20	F10673*	
* discontinued article						

Dimensions

Туре	Dimensions [mm] A B C F G H I (WS) J (WS)									
KFE-KH long - D	89	54.5	32.5	40	11	63.5	27	30		
KFE-KH long - E	89	62.0	31.0	40	11	43.5	27	30		





Туре	Version	Connection			Article no.
		D	E	\checkmark	
KFE-KH long - D SV	straight	G 1/2" M	G ³/4" M	20	F10641
KFE-KH long - E SV	angle	G 1/2" M	G ³ / ₄ " M	20	F10674



Туре		Dimensions [mm]								
	Α	В	с	F	G	н	I (WS)	J (WS)	к	L (Ø)
KFE-KH long - D SV	89	54.5	32.5	40	11	63.5	27	30	33	14.5
KFE-KH long - E SV	89	62.0	31.0	40	11	43.5	27	30	33	14.5

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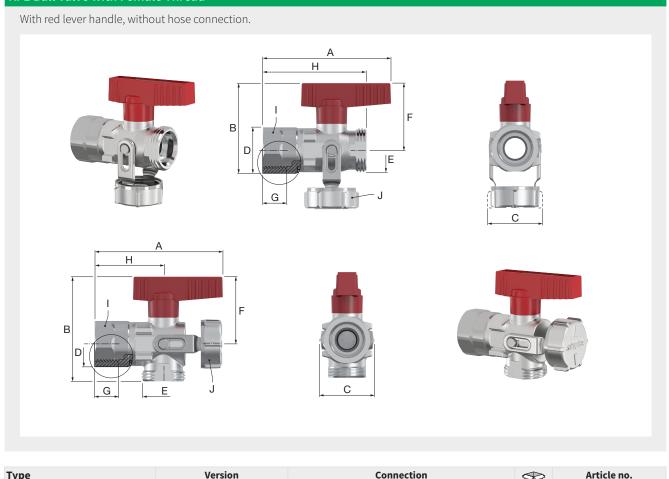
					PG = 706
KFE Ball Valve with Male Thr With red lever handle, self-seali		al without hose connection	วท		PG - 706
Why silicone-free? Free of li				nstallations	
• Wily Sticone-free: free of a		us that interiere with par	nting of completed i		
	B D				
	F	c			R.
Гуре	Version	Connect D	ion E		Article no.
KFE-KH silicone-free - D	straight	G 1/2" M	G ³/4" M	20	F10657
KFE-KH silicone-free - E	angle	G 1/2" M	G ³ /4" M	20	F10658

Туре		Dimensions [mm]								
	Α	В	С	F	G	н	I (WS)	J (WS)		
KFE-KH silicone-free - D	72	52.5	32.5	40	11	46.5	27	30		
KFE-KH silicone-free - E	72	62.0	31.0	40	11	26.0	27	30		



KFE Ball Valve with Female Thread

PG = 706



Туре	Version	Connection			Article no.
		D	E	\checkmark	
KFE-KH IG - D	straight	Rp 1/2"	G ³/4" M	20	F10634
KFE-KH IG - E	angle	Rp 1/2"	G ³/4" M	20	F10664

Туре	Dimensions [mm]									
	Α	В	с	F	G	н	I (WS)	J (WS)		
KFE-KH IG - D	76	53.0	32.5	40	12	61.0	27	30		
KFE-KH IG - E	76	61.5	31.0	40	12	40.5	27	30		

PG = 706 KFE Ball Valve with Female Thread with Hose Connection With red lever handle. Α Н F в 1 D L E Κ G С А Н F в D С G F

Туре	Version	Connection		Connection			Article no.
		D	E	\checkmark			
KFE-KH IG - D SV	straight	Rp 1/2"	G ³/4" M	20	F10646		
KFE-KH IG - E SV	angle	Rp 1/2"	G ³ /4" M	20	F10676		

Dimensions

Туре		Dimensions [mm]								
	Α	В	С	F	G	н	I (WS)	J (WS)	к	L (Ø)
KFE-KH IG - D SV	76	53.0	32.5	40	12	61.0	27	30	33	14.5
KFE-KH IG - E SV	76	61.5	31.0	40	12	40.5	27	30	33	14.5

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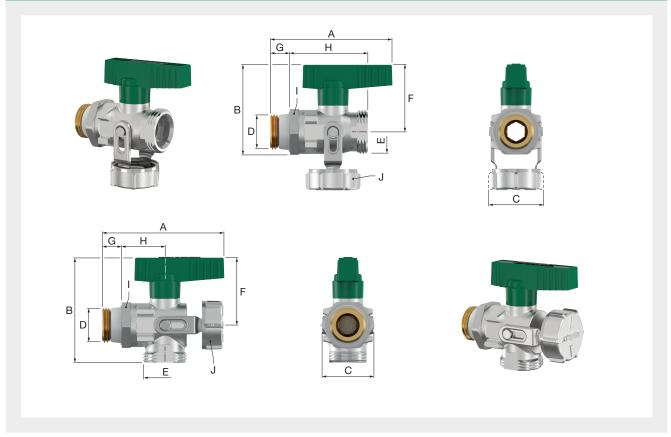


KFE BALL VALVES FOR POTABLE WATER

KFE ball valve with DVGW approval for potable water systems (in accordance with the German TrinkwV) and heating systems, with green lever handle and male thread, self-sealing with special thread seal, without hose connection.

- Components made of nickel-plated brass, parts that come in contact with potable water are self finish brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

KFE Ball Valve for Potable Water



Туре	Version	Conne	ection		Article no.		
		D	E	\checkmark			
KFE-KH DVGW - D	straight	G 1/2" M	G 3/4" M	20	F10639		
KFE-KH DVGW - E	angle	G 1/2" M	G ³ / ₄ " M	20	F10669		

Dimensions

Туре					nsions 1m]			
	Α	В	С	F	G	н	I (WS)	J (WS)
KFE-KH DVGW - D	72	52.5	32.5	40	11	46.5	27	30
KFE-KH DVGW - E	72	62.0	31.0	40	11	26.0	27	30

DVGW

KFE BALL VALVES FOR SOLAR

KFE ball valve for use in solar systems, for water-glycol mixes up to 50% and increased temperature requirements, with orange lever handle and male thread, self-sealing with special thread seal.

- Components made of nickel-plated brass
- Sealing materials: AFLAS, FKM, PTFE
- Max. operating temp.: 180 °C permanent temperature, 200 °C short-term
- Max. operating pressure: 10 bar

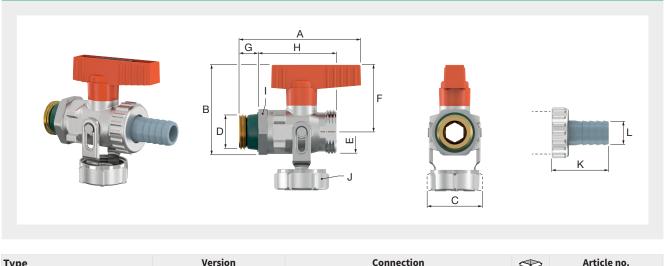
PG = 706 KFE Ball Valve for Solar Without hose connection. A G Н F В D Туре Version Connection Article no. \mathfrak{P} D Е KFE-KH Solar - D



Туре		Dimensions [mm]								
	Α	В	С	F	G	н	I (WS)	J (WS)		
KFE-KH Solar - D	72	52.5	32.5	40	11	46.5	27	30		



KFE Ball Valve for Solar with Hose Connection



Туре	Version	Connection			A	rticle no.	
		D	E	\checkmark			
KFE-KH Solar - D SV	straight	G 1/2" M	G ³/4" M	20	F10648		
						*	×

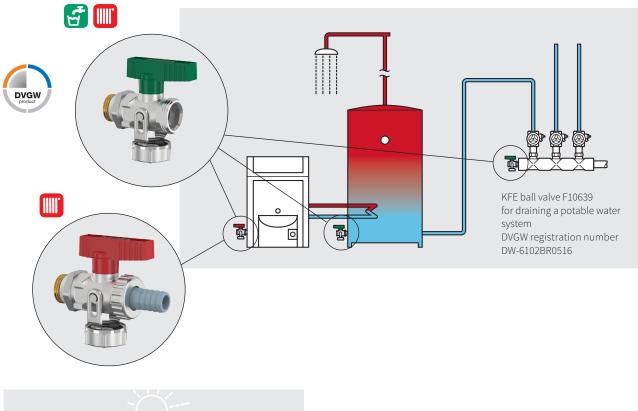
Туре		Dimensions [mm]								
	А	В	С	F	G	н	I (WS)	J (WS)	К	L (Ø)
KFE-KH Solar - D SV	72	52.5	32.5	40	11	46.5	27	30	33	14.5

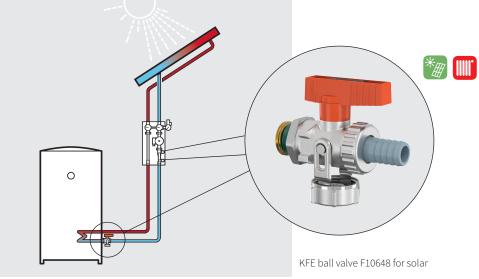
Material

For our valve components we use brass in accordance with European quality standards for turned and pressed parts EN 12164 and EN 12165; mainly types CW614N and CW617N.

For our potable water version we use brass alloy CW617N and the dezincing resistant alloy CW626N according to UBA-positive list (recommendation).

Installation example







SOCKET BALL VALVES

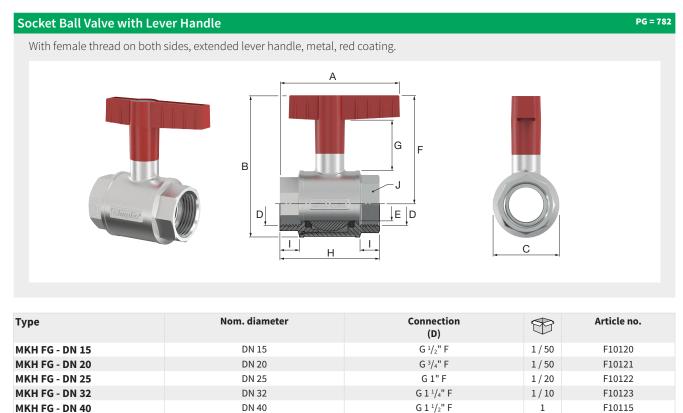
Shut-off ball valve for use in heating systems, full bore.

· Components made of nickel-plated brass, ball valves with press connection made of brass

DN 50

- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching insulation shells available!





F10116

Dimensions

MKH FG - DN 50

Туре	Dimensions [mm]									
	Α	В	С	E (Ø)	F	G	н	I.	J (WS)	
MKH FG - DN 15	62.0	71.0	31.5	15	56	24	52.5	11	27	
MKH FG - DN 20	65.0	79.0	40.0	20	59	24	59.0	12	32	
MKH FG - DN 25	87.0	103.0	48.5	25	79	37	72.5	14	39	
MKH FG - DN 32	91.0	112.0	58.0	32	83	36	80.0	15	49	
MKH FG - DN 40	97.5	124.0	71.0	40	89	35	92.5	16	55	
MKH FG - DN 50	106.5	140.5	87.0	50	97	35	106.5	17	70	

G 2" F

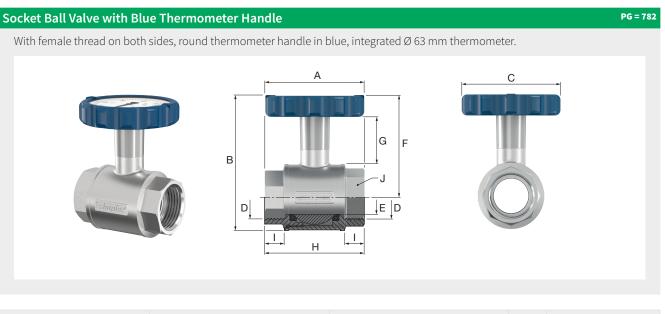
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PG = 782 Socket Ball Valve with Red Thermometer Handle With female thread on both sides, round thermometer handle in red, integrated Ø 63 mm thermometer. A С G F В ED D Н Type Nom. diameter Connection Article no.

Туре	Nom. diameter	Connection (D)	Ð	Article no.
MKH TG-R - DN 20	DN 20	G ³ / ₄ " F	3	F10118
MKH TG-R - DN 25	DN 25	G 1" F	3	F10125
MKH TG-R - DN 32	DN 32	G 1 1/4" F	3	F10126
MKH TG-R - DN 40	DN 40	G 1 1/2" F	1	F99727
MKH TG-R - DN 50	DN 50	G 2" F	1	F99771

Туре	Dimensions [mm]									
	Α	В	C (Ø)	E (Ø)	F	G	н	1	J (WS)	
MKH TG-R - DN 20	59	95.0	72	20	73.0	38.5	59	12	32	
MKH TG-R - DN 25	73	100.0	72	25	75.5	36.0	73	14	39	
MKH TG-R - DN 32	80	108.0	72	32	79.0	35.0	80	15	49	
MKH TG-R - DN 40	93	120.0	72	40	86.0	35.0	93	15	55	
MKH TG-R - DN 50	107	136.5	72	50	93.0	35.0	107	17	70	





Туре	Nom. diameter	Connection (D)	Ð	Article no.
MKH TG-B - DN 20	DN 20	G 3/4" F	3	F10119
MKH TG-B - DN 25	DN 25	G 1" F	3	F10150
MKH TG-B - DN 32	DN 32	G 1 1/4" F	3	F10151
MKH TG-B - DN 40	DN 40	G 1 1/2" F	1	F99728
MKH TG-B - DN 50	DN 50	G 2" F	1	F99772



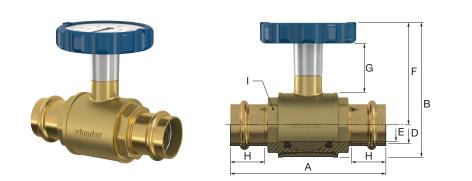
Туре	Dimensions [mm]									
	Α	В	C (Ø)	E (Ø)	F	G	н	1	J (WS)	
MKH TG-B - DN 20	59	95.0	72	20	73.0	38.5	59	12	32	
MKH TG-B - DN 25	73	100.0	72	25	75.5	36.0	73	14	39	
MKH TG-B - DN 32	80	108.0	72	32	79.0	35.0	80	15	49	
MKH TG-B - DN 40	93	120.0	72	40	86.0	35.0	93	15	55	
MKH TG-B - DN 50	107	136.5	72	50	93.0	35.0	107	17	70	

PG = 782

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Socket Ball Valve with Press Connection and Blue Thermometer Handle

With press connection for M and V profile on both sides, for copper, carbon steel and stainless steel pipes, round thermometer handle in blue, integrated \emptyset 63 mm thermometer.





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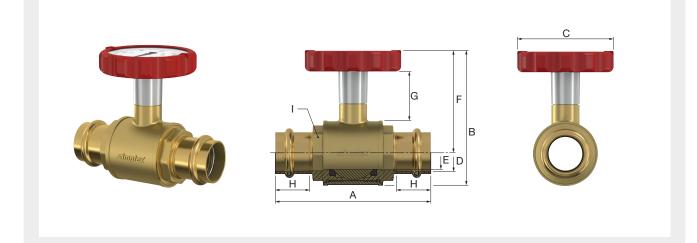
Туре	Nom. diameter	Connection (D Ø) [mm]		Article no.
MKH PRESS TG-B - DN 25	DN 25	28	1	F10523
MKH PRESS TG-B - DN 32	DN 32	35	1	F10524

Туре		Dimensions [mm]								
	А	В	СØ	E (Ø)	F	G	н	I (WS)		
MKH PRESS TG-B - DN 25	116.5	101	72	25	77	37	26	39		
MKH PRESS TG-B - DN 32	127.0	104	72	25	79	34	28	45		



Socket Ball Valve with Press Connection and Red Thermometer Handle

With press connection for M and V profile on both sides, for copper, carbon steel and stainless steel pipes, round thermometer handle in red, integrated Ø 63 mm thermometer.



Туре	Nom. diameter	Connection (D Ø) [mm]		Article no.	
MKH PRESS TG-R - DN 25	DN 25	28	1	F10536	
				Ял	Q,

Туре		Dimensions [mm]								
	А	В	C (Ø)	E (Ø)	F	G	н	I (WS)		
MKH PRESS TG-R - DN 25	116.5	101	72	25	77	37	26	39		

PUMP BALL VALVES

Shut-off ball valve for use in heating systems, for installation on the suction side of circulation pumps, pump connection with flange for pump screw connection and integrated flat seal (union nut not included), full bore.

- Components made of nickel-plated brass, ball valves with press connection made of brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching union nuts and insulation shells available!

PG = 782 **Pump Ball Valve with Lever Handle** Pipe connection with female thread, extended lever handle, metal, red coating. A G F В ED Н Туре Nom. diameter Connection Article no. P (D) PKH FG - DN 25 DN 25 G 1" F 1/20 F10127 G 1 $^{\scriptscriptstyle 1}\!/_4$ " F **PKH FG - DN 32** DN 32 1/20 F10128

Туре	Dimensions [mm]									
	Α	В	с	E (Ø)	F	G	н	1	J (WS)	
PKH FG - DN 25	87.5	104	48.5	25	79	37.0	82.0	14	39	
PKH FG - DN 32	105.5	112	58.0	32	83	35.5	94.5	14	49	





туре	Nom. diameter	(D)	Ð	Article no.
PKH TG-R - DN 25	DN 25	G 1" F	3	F10129
PKH RG-R - DN 32	DN 32	G 1 ¹ /4" F	3	F10130

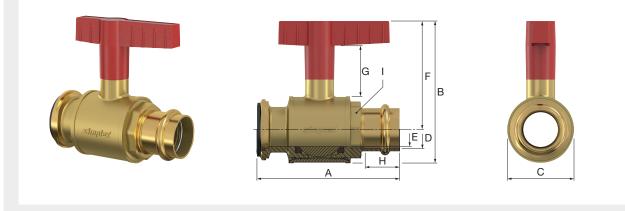


Туре	Dimensions [mm]										
	A	В	C (Ø)	E (Ø)	F	G	н	I (WS)			
PKH TG-R - DN 25	82.0	104	72	25	75	34	14	39			
PKH TG-R - DN 32	94.5	108	72	32	79	34	14	49			

PG = 782

metal, red coating.

Pump Ball Valve with Press Connection and Lever Handle



With press connection for M and V profile on the pipe side, for copper, carbon steel and stainless steel pipes. Extended lever handle,

Туре	Nom. diameter	Connection (D Ø) [mm]		Article	no.
PKH PRESS FG - DN 25	DN 25	28	1	F105	21
PKH PRESS FG - DN 32	DN 32	35	1	F105	22
					

Туре		Dimensions [mm]									
	А	В	C (Ø)	E (Ø)	F	G	н	I (WS)			
PKH PRESS FG - DN 25	103.5	103	48.5	25	79	36.5	26	39			
PKH PRESS FG - DN 32	118.0	112	58.0	32	83	35.5	28	45			

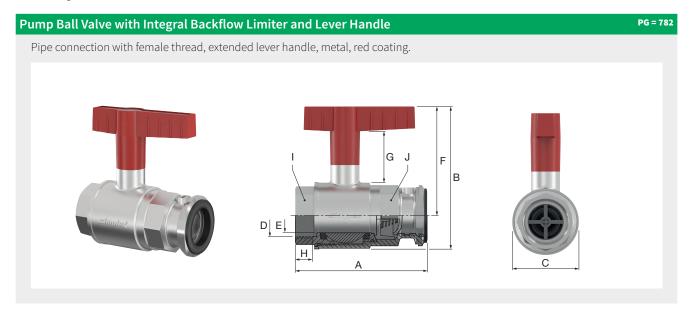


PUMP BALL VALVES WITH INTEGRAL BACKFLOW LIMITER

Shut-off ball valve for use in heating systems, for fitting to circulation pumps on the discharge side, with integral backflow limiter and opening device (does not act as a check valve), pump connection with flange for pump screw connection and integrated flat seal (union nut not included), full bore.

- Components made of nickel-plated brass, ball valves with press connection made of brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching union nuts and insulation shells available!



Туре	Nom. diameter	Connection (D)		Article no.
PKH SKB FG - DN 25	DN 25	G 1" F	1/20	F10131
PKH SKB FG - DN 32	DN 32	G 1 1/4" F	1/10	F10132

Dimensions

Туре	Dimensions [mm]									
	Α	В	С	E (Ø)	F	G	н	I (WS)	J (WS)	
PKH SKB FG - DN 25	96	103.5	48.5	25	79	37	14	39	41	
PKH SKB FG - DN 32	110	111.0	58.0	32	83	36	14	49	50	

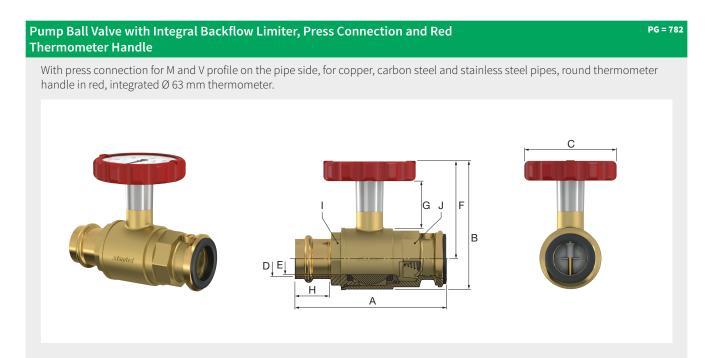
Туре	Nom. diameter	Connection (D)		Article no.
PKH SKB TG-R - DN 25	DN 25	G 1" F	3	F10135
PKH SKB TG-R - DN 32	DN 32	G 1 1/4" F	3	F10136

Dimensions

Туре	Dimensions [mm]									
	Α	В	C (Ø)	E (Ø)	F	G	н	I (WS)	J (WS)	
PKH SKB TG-R - DN 25	96	99	72	25	75.0	35	14	39	41	
PKH SKB TG-R - DN 32	110	108	72	32	78.5	36	14	49	50	

¥C





Туре	Nom. diameter	Connection (DØ) [mm]		Article no.		
PKH SKB PRESS TG-R - DN 25	DN 25	28	1		F10525	
PKH SKB PRESS TG-R - DN 32	DN 32	35	1		F10526	
					Ŵ	Ŷ

Туре		Dimensions [mm]									
	Α	В	C (Ø)	E (Ø)	F	G	н	I (WS)	J (WS)		
PKH SKB PRESS TG-R - DN 25	118	99.5	72	25	75	35.0	26	39	41		
PKH SKB PRESS TG-R - DN 32	134	107.5	72	32	79	34.5	28	45	50		

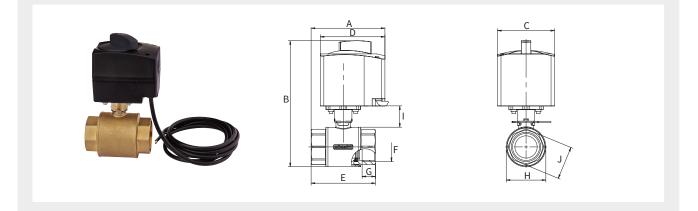
SOCKET BALL VALVE WITH MOTORIZED ACTUATOR

Shut-off ball valve for use in heating systems, with female thread on both sides, full bore. Motor:

- Activation: 3-point
- Maximum load: 10 Nm (DN 50: 15 Nm)
- Runtime: 135 sec. (DN 50: 120 sec.)
- Angle of rotation: 90°
- Nominal voltage: 230 V, ~50 Hz
- Nominal capacity: 3,5 VA 4 VA (DN 50: 2,5 VA 4 VA)
- Fuse type: IP42
- Protection classe: II
- Components made of brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching insulation shells available! (leave the insulation shells blank around the brackets)

Socket Ball Valve with Motorized Actuator



Туре	Nom. diameter	Connection (F)		Article no.
MKH STA - DN 20	DN 20	G ³ / ₄ " F	1	F10586
MKH STA - DN 25	DN 25	G 1" F	1	F10588
MKH STA - DN 32	DN 32	G 1 1/4" F	1	F10590
MKH STA - DN 40	DN 40	G 1 1/2" F	1	F10592
MKH STA - DN 50	DN 50	G 2" F	1	F10594

Dimensions

Туре				Di	mensions [m	m]			
	Α	В	С	D	E	G	н	1	J (WS)
MKH STA - DN 20	94	167	82	93	67.0	14.5	39	34	32
MKH STA - DN 25	100	173	82	93	81.0	17.0	47	32	37
MKH STA - DN 32	107	181	82	93	93.0	19.0	57	31	48
MKH STA - DN 40	109	195	82	93	97.0	19.0	70	31	54
MKH STA - DN 50	124	215	86	100	119.5	23.5	86	30	68

Interface for other drives

Designed in accord- ance with the	Interface specification	Hole diameter	For threaded screw	Max. perm. drive torque	Number of screws	Adapter interface	For drive interface
ISO 5211 F03	EN ISO 5211 - F03-N-L(H)	36	M5	30 Nm	4	Type L (square)	Type L (square)*
ISO 5211 F04	EN ISO 5211 - F04-N-L(H)	42	M5	30 Nm	4	Type L (square)	Type L (square)*
ISO 5211 F05	EN ISO 5211 - F05-N-L(H)	50	M6	30 Nm	4	Type L (square)	Type L (square)*

* can also be used with type H (double)

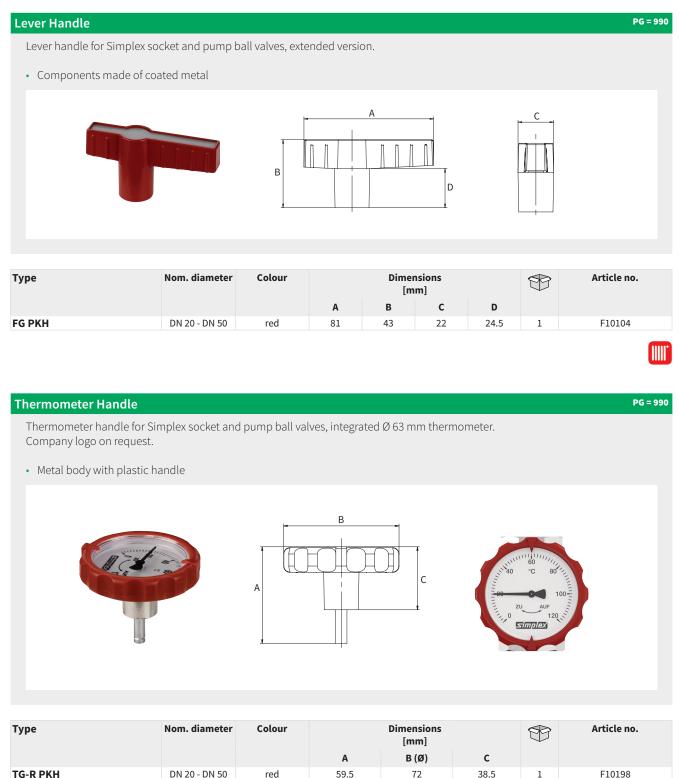
PG = 782



HANDLES FOR BALL VALVES

All ball valves in versions DN 20 to DN 50 (except article no. F10121) are equipped with a special hollow spindle, which allows the mounting of various handle options depending on the application. All handle types are interchangeable. The handles can be removed from and mounted on the valves without the use of tools.

→ Thermometer handle with company logo on request!



F10199

DN 20 - DN 50

blue

59.5

TG-B PKH

1

38.5

PG = 990 Thermometer Handle, Long Version Thermometer handle for Simplex socket and pump ball valves, integrated Ø 63 mm thermometer. Company logo on request. • Metal body with plastic handle В С D Nom. diameter Article no. Туре Colour Dimensions Ð [mm] D (WS) Α B (Ø) С TG-R long PKH DN 20 - DN 50 red and blue 80.5 72 60.5 24 F10304 1 PG = 990 T-Handle without Thermometer T-Handle for Simplex socket and pump ball valves. • Components made of plastic В Nom. diameter Dimensions Article no. Туре Colour Ð [mm] A В С KG PKH DN 20 - DN 50 black 89 37 40.5 1 F10202



T-Handle with Integrated Thermometer P6 = 990 T-Handle for Simplex socket and pump ball valves, integrated Ø 32 mm thermometer. • Components made of plastic and metal • Components made of plastic and metal Image: Components made of plastic and metal

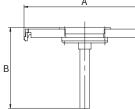
Туре	Nom. diameter	Colour	Dimensions [mm]					Article no.
			Α	В	С	D		
KG + TG PKH	DN 20 - DN 50	black	89	58	40.5	37	1	F10197

Thermometer T-Handle Retrofit Kit

Retrofit kit for Simplex thermometer T-handle F10202, consisting of thermometer and protective cap.

Components made of plastic







Туре	Colour		(Article no.		
		Α	В	С		
TG Retrofit Kit	black	87.5	58	37	1	F10108

PG = 990

PUMP SUPPLY SET

Pump supply set for use in heating systems, consisting of:

- 1 pc. pump ball valve with integral backflow limiter and red thermometer handle
- 1 pc. pump ball valve with red lever handle
- Including 2 union nuts

(Pump is not included)

Technical information and dimensional drawings see at the respective ball valves.

• Components made of nickel-plated brass

- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching insulation shells available!

Pump Supply Set					PG = 782
	Туре	Nom. diameter	Connection		Article no.
		20105	0.115	Y	



VL-Set - DN 25	DN 25	G 1" F	1	F10255
VL-Set - DN 32	DN 32	G 1 1/4" F	1	F10256

PUMP RETURN SET

Pump return set for use in heating systems, consisting of:

• 1 pc. pump ball valve with blue thermometer handle

Including union nut and screw connector

Technical information and dimensional drawings see pump ball valve with blue thermometer handle.

- Components made of nickel-plated brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching insulation shells available!

Pump Return Set					PG = 782
	Туре	Nom. diameter	Connection		Article no.
	RL-Set - DN 25	DN 25	G 1" F	1	F10258
	RL-Set - DN 32	DN 32	G 1 1/4" F	1	F10259





PUMP VALVE SETS

Pump valve set for use in heating systems, consisting of:

- 1 pc. pump ball valve with integral backflow limiter and red thermometer handle
- 1 pc. socket ball valve with blue thermometer handle

Pump Valve Set with Screw Connector and Union Nuts

• 1 pc. pump ball valve with red lever handle

(Pump and pipe not included)

Technical information and dimensional drawings see at the respective ball valves.

- Components made of nickel-plated brass
- Sealing materials: EPDM, PTFE
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

→ Matching insulation shells available!

Pump Valve Set with	nout Union Nut				PG = 782
۲	Туре	Nom. diameter	Connection		Article no.
	PAG - DN 25	DN 25	G 1" F	1	F10190
	PAG - DN 32	DN 32	G 1 ¹ / ₄ " F	1	F10191



Pump Valve Set with Two Union Nuts									
۲	Туре	Nom. diameter	Connection		Article no.				
	PAG ÜM - DN 25	DN 25	G 1" F	1	F10192				
	PAG ÜM - DN 32	DN 32	G 1 1/4" F	1	F10193				



Including all connections	and union nuts.			Including all connections and union nuts.									
Туре	Nom. diameter	Connection	\bigcirc	Article no.									
PAG RV ÜM - DN 25	DN 25	G 1" F	1	F10194									
PAG RV ÜM - DN 32	DN 32	G 1 ¹ / ₄ " F	1	F10195									

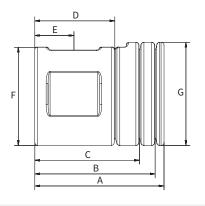
ACCESSORIES FOR PUMP BALL VALVES

Insulation Shells

2-piece, insulates in accordance with EnEV, adapts to Simplex pump ball valves and socket ball valves with screw-in or press connection, fits in conjunction with Simplex union nuts F10212-F10214.

• Components made of EPP





Туре	Nom. diameter	Suitable for		Dimensions [mm]							Article no.
			Α	В	С	D	Е	F (Ø)	G (Ø)		
Insulation Shell - DN 25	DN 25	BV DN 25	118	108	94	73	36	93	98	1	F10555
Insulation Shell - DN 32	DN 32	BV DN 32	131	122	106	81	40	100	105	1	F10556
BV = Ball valva	5.102	51 511 62	101		100	01		100	100	-	. 10000

BV = Ball valve

Insulation Shell Set

PG = 782

Insulation shell set for Simplex pump valve sets, consisting of 3 pcs. insulation shells (2-piece), insulates in accordance with EnEV, adapts to Simplex pump ball valves and socket ball valves with screw-in or press connection, fits in conjunction with Simplex union nuts F10212-F10214. Dimension drawings see insulation shells, article no. F10555 and F10556.

• Components made of EPP

4						
	Π	Π	Π	Π	1	•
	U	U	U	U	L	

Туре	Nom. diameter	Suitable for		Article no.
			[Set]	
Insulation Shell Set - DN 25	DN 25	BV DN 25	1	F10555SET
Insulation Shell Set - DN 32	DN 32	BV DN 32	1	F10556SET

BV = Ball valve

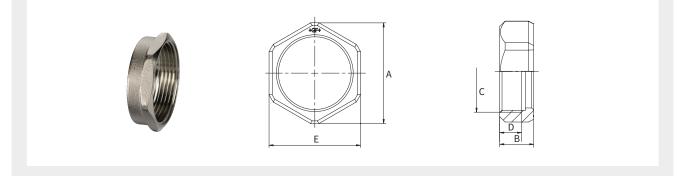


Union Nut

PG = 782

Union nut for Simplex pump ball valves.

- Components made of brass or malleable cast
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

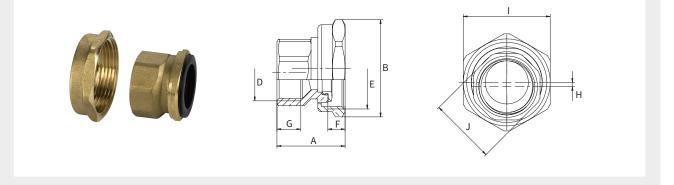


Туре	Version	Nom. diameter	Conn- ection			Suitable for		Article no.		
			(C)	Α	В	D	E (WS)			
Union Nut - DN 25 bl.	brass, blank	DN 25	$G \ 1^{1/2}$ " F	57	16	12	51	PBV DN 25	1	F10212
Union Nut - DN 25 Ni	brass, nickel plated	DN 25	G 1 $^{1}/_{2}$ " F	57	16	12	51	PBV DN 25	1	F10213
Union Nut - DN 32 Zn	Cast-iron, zinc plated	DN 32	G 2" F	74	25	16	67	PBV DN 32	1	F10214
PBV = Pump ball valve	P									

Eccentric Threaded Connection DN 25

As compensation fitting for DN 25 manifold with 120 mm axial distance, 2.5 mm offset per piece.

- Components made of brass
- Sealing materials: EPDM
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar



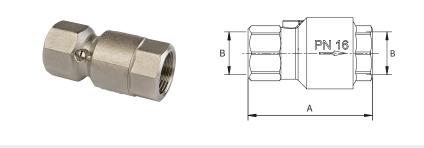
Туре	Conne	ection	Dimensions [mm]						Article no.		
	D	E	Α	В	F	G	н	I (WS)	J (WS)		
Eccentric Screw Conn.	G 1 $^{1}/_{2}$ " F	G 1" F	40	57	12	14	2.5	51	39	1	F10297



S

PG = 782

- Components made of nickel-plated brass
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar

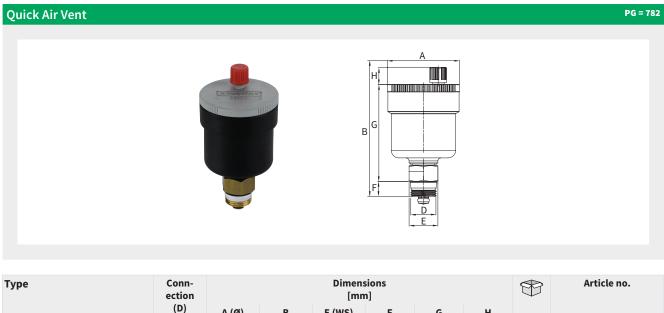


Туре	Nom. diameter	Connection (B)	Dimension A [mm]	\bigcirc	Article no.
SKB - DN 20	DN 20	Rp 3/4"	77	5	F10163
SKB - DN 25	DN 25	Rp 1"	92	5	F10164
SKB - DN 32	DN 32	Rp 1 1/4"	95	5	F10167

QUICK AIR VENT

Automatic Air Vent (AAV) for use in heating systems, vent made of high strength and heat-resistant plastic, with brass non-return valve for easy replacement, self-sealing with special thread seal.

- Components made of plastic and brass
- Sealing materials: EPDM
- Max. operating temperature: 95 °C
- Max. operating pressure: 6 bar



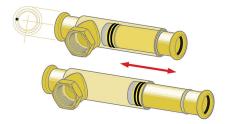
Туре	Conn- ection				Article no.				
	(D)	A (Ø)	В	E (WS)	F	G	н		
Quick Air Vent	G ³/8" M	48	85	19	10	64	11	10	F10254



TELESCOPIC T-PIECE

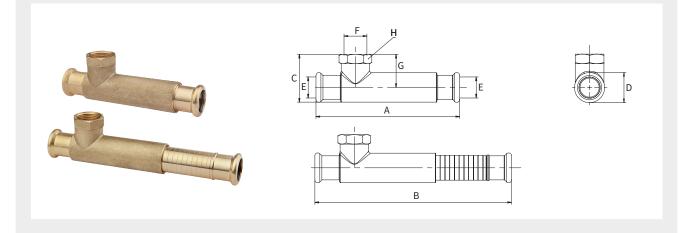
Telescopic T-piece for use in heating systems, with press connection for M and V profile, for copper, carbon steel and stainless steel pipes.

- Components made of brass
- Sealing materials: EPDM
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar



PG = 782

Telescopic T-Piece with Press Connection



Туре	Conn	ection	Dimensions [mm]							Article no.		
	E (Ø) [mm]	F	A	В	с	D (Ø)	G	H (WS)				
Telescope-T PRESS 15	15	G 1/2" F	124.0	174.0	42.0	31.5	30	24	1	F13	3193	
Telescope-T PRESS 22	22	G 3/4" F	151.5	207.5	50.5	31.5	35	30	1	F13	3194	
Telescope-T PRESS 28	28	G 1" F	165.5	222.0	66.5	37.0	48	41	1	F13	3195	
												Ø .
											M	V

EX-COUPLINGS

The ex-coupling is installed into the expansion pipe in front of the expansion vessel in heating systems. It is used for shut off, draining, maintenance and exchange of expansion vessels without draining the heating systems.

- Components made of brass
- Sealing materials: EPDM
- Max. operating temp.: 110 °C permanent temperature, 130 °C short-term

DN 20

G 3/4" F

G 3/4" F

• Max. operating pressure: 10 bar

PG = 782 **Ex-Coupling Type A** With male thread, self-sealing with special thread seal and female thread. Nom. diameter Connection Dimensions Article no. Туре P [mm] в С D Α **Ex-Coupling A** DN 20 G 3/4" M G 3/4" F 11 10/50 F10385 49 PG = 782 **Ex-Coupling Type B** Female thread on both sides. Nom. diameter Connection Dimension Article no. Туре Ð (C) Α В [mm]

Ex-Coupling B

72

10/50

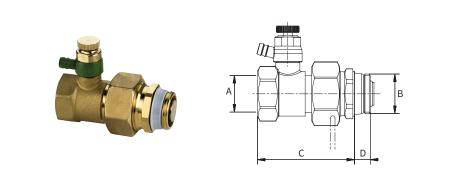
F10386



Ex-Coupling with Drain Type A

PG = 782

With male thread, self-sealing with special thread seal and female thread.

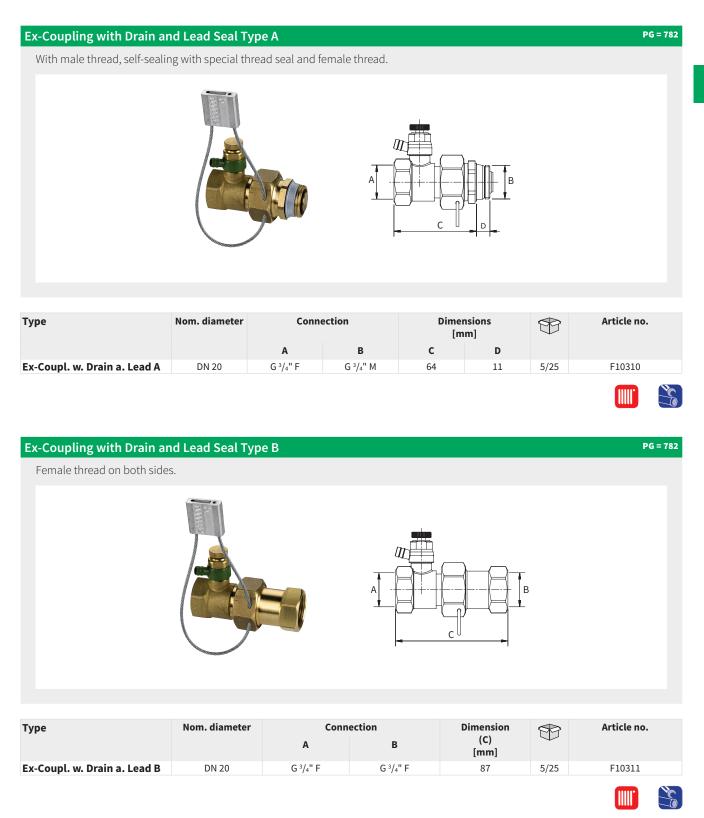


Туре	Nom. diameter	Connection			nsions 1m]		Article no.
		А	В	С	D		
Ex-Coupling w. Drain A	DN 20	G 3/4" F	G ³ / ₄ " M	64	11	5/25	F10305

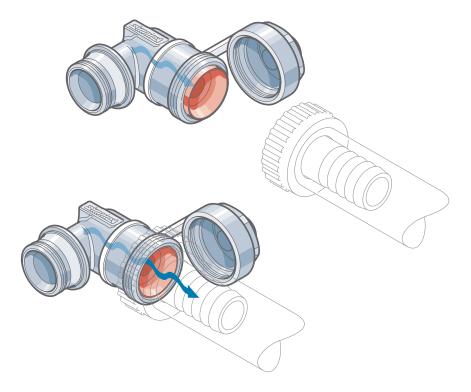


Second Person Female thread on both sides. Female thread on both sides. Image: Connection Person Image: Connection Pinension Type Non. diameter Connection Pinension Article no.

Туре	Nom. diameter	Conr	lection	Dimension		Article no.
		Α	В	(C) [mm]	\downarrow	
Ex-Coupling w. Drain B	DN 20	G 3/4" F	G ³ / ₄ " F	87	5/25	F10306







Simplex EXCLUSIV Fill and Drain Plug: simple draining by attaching a hose connection



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