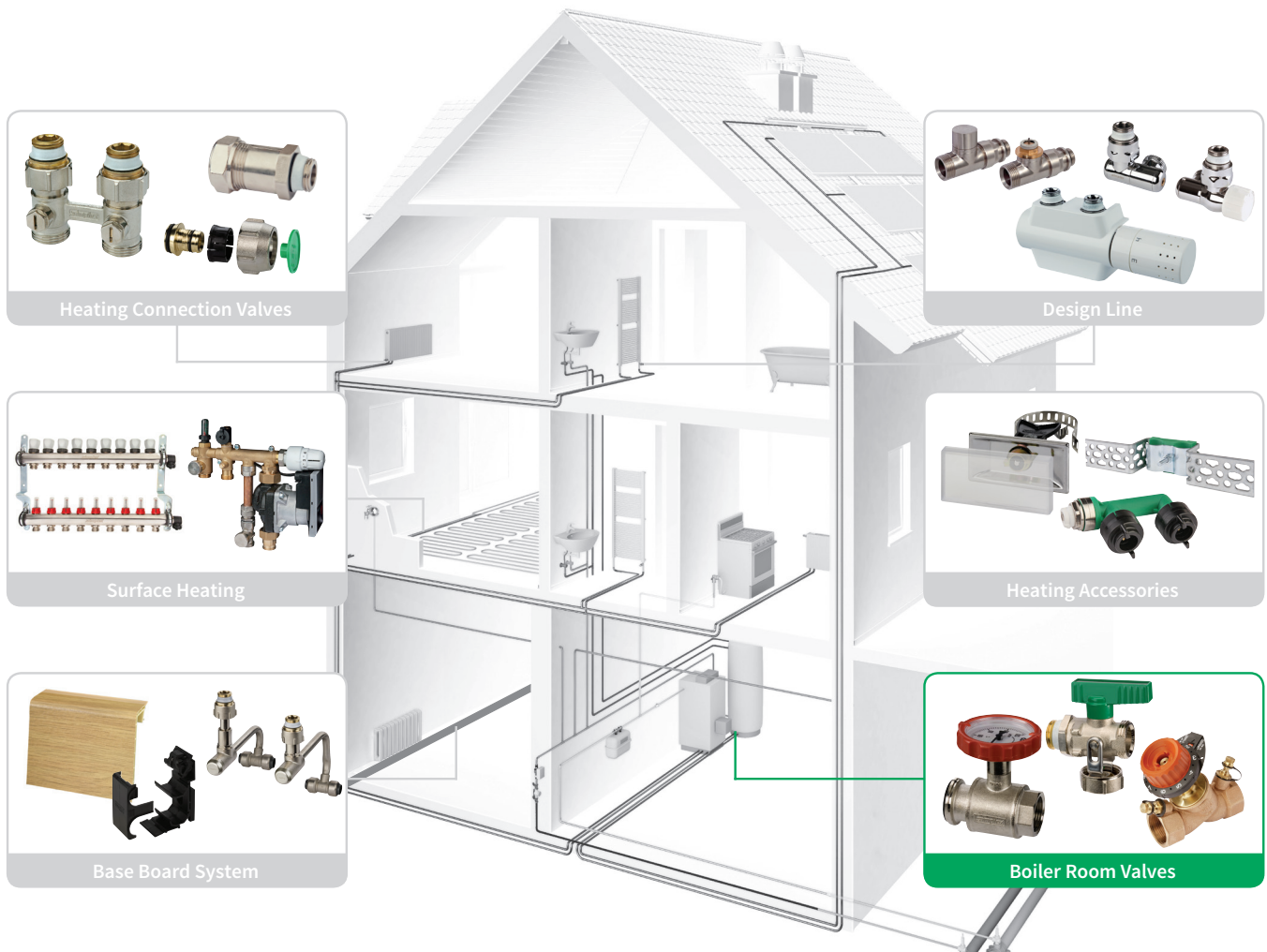




## Pump and Socket Ball Valves

- Exceptional quality shut-off valves
- Screw-in, press or push-fit versions
- Different handle versions

## Simplex Products at a Glance



## Simplex Pump and Socket Ball Valves

Simplex pump and socket ball valves meet all the demands placed on reliable valves: no narrowing of the cross-section in the valve, integral thermometer in the handle, various screw-in, press and push-fit versions. You can also have your company's logo printed on the thermometer handle. You can't get more individual than that.

The Simplex Shut-off Ball Valve Range includes the Following:

- ◆ Socket and pump ball valves
- ◆ Socket ball valve with motorised actuator
- ◆ Valve sets
- ◆ Accessories, like insulation shells

## | Shut-off Ball Valves - more than just a Shut-off



### **Product Benefits at a Glance:**

- ◆ Hard chrome-plated ball in a Teflon seat
- ◆ Spindle with double O-ring seal
- ◆ Two different designs of handle, interchangeable depending on the application
- ◆ Your company logo printed on the thermometer handle
- ◆ Extended handle, suitable for use with insulation in line with the EnEv Energy-saving Regulation

# Shut-off Ball Valves with Screw-in Connection

## Socket Ball Valve

Full bore, nickel-plated brass.



Extended lever handle



Thermometer handle, red



Thermometer handle, blue

Article no.	Article no.	Article no.	Nominal diameter	Dimensions
F10120			DN 15	G1/2f
F10121	F10118	F10119	DN 20	G3/4f
F10122	F10125	F10150	DN 25	G1f
F10123	F10126	F10151	DN 32	G1 1/4f
F10115	F99727	F99728	DN 40	G1 1/2f
F10116	F99771	F99772	DN 50	G2f

## Simplex Shut-off Ball Valves

### Applications:

Heating systems

Max. pressure: 10 bar

Max. temperature: 110 °C permanent temperature

130 °C short-term

<b>Activation</b>	3-point
<b>Maximum load</b>	10 Nm
<b>Runtime</b>	135 sec.
<b>Angle of rotation</b>	90°
<b>Nominal voltage</b>	230 V, ~50 Hz
<b>Nominal capacity</b>	3.5 VA - 4 VA
<b>Fuse type</b>	IP42
<b>Protection class</b>	II

## Socket Ball Valve with Motorised Actuator

Full bore, brass.



Article no.	Nominal diameter	Dimensions
F10586	DN 20	G3/4f
F10588	DN 25	G1f
F10590	DN 32	G1 1/4f
F10592	DN 40	G1 1/2f

### Pump Ball Valve

For pump screw connection (union nut not included), full bore, nickel-plated brass.



Extended lever handle



Thermometer handle, red

Article no.	Article no.	Nominal diameter	Dimensions
F10127	F10129	DN 25	G1f
F10128	F10130	DN 32	G1 1/4f

### Pump Ball Valve with Gravity Brake

For pump screw connection (union nut not included), full bore, with integrated gravity brake and opening device (does not act as a check valve), nickel-plated brass.



Extended lever handle



Thermometer handle, red

Article no.	Article no.	Nominal diameter	Dimensions
F10131	F10135	DN 25	G1f
F10132	F10136	DN 32	G1 1/4f

### Pump Ball Valve with Gravity Brake and Union Nut

For pump screw connection, full bore, with integrated gravity brake and opening device (does not act as a check valve), nickel-plated brass.



Thermometer handle, red

### Pump Ball Valve with Union Nut

For pump screw connection, full bore, nickel-plated brass.

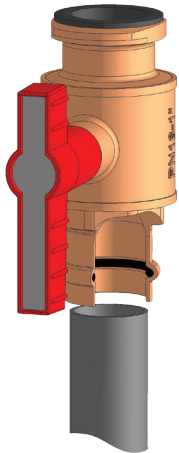


Thermometer handle, blue

Article no.	Nominal diameter	Dimensions	Article no.	Nominal diameter	Dimensions
F10558	DN 32	G1 1/4f	F10559	DN 32	G1 1/4f

# Shut-off Ball Valves for M and V Profile

For pressing with M and V profile



## Socket Ball Valve with Press Connection

With press connection for M and V profile, for copper, carbon steel and stainless steel pipes, full bore, brass.



Thermometer handle, blue

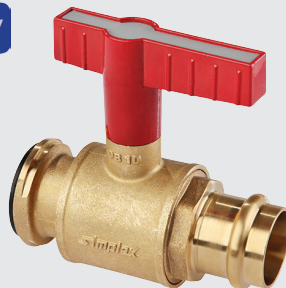


Thermometer handle, red

Article no.	Article no.	Nominal diameter	Dimensions
F10523	F10536	DN 25	28 mm
F10524		DN 32	35 mm

## Pump Ball Valve with Press Connection

For pump screw connection (union nut not included), press connection for M and V profile, for copper, carbon steel and stainless steel pipes, full bore, brass.



Extended lever handle

Article no.	Nominal diameter	Dimensions
F10521	DN 25	28 mm
F10522	DN 32	35 mm

## Pump Ball Valve with Gravity Brake and Press Connection

For pump screw connection (union nut not included), press connection for M and V profile, for copper, carbon steel and stainless steel pipes, full bore, with integrated gravity brake with opening device (does not act as a check valve), brass.



Thermometer handle, red

Article no.	Nominal diameter	Dimensions
F10525	DN 25	28 mm
F10526	DN 32	35 mm

## Shut-off Ball Valves with unique TECTITE Push-fit Technology

### Socket Ball Valve with TECTITE Push-fit Connection

With TECTITE push-fit connection for copper, carbon steel and stainless steel pipes, de-mounting clip included, full bore, brass.



Thermometer handle, blue

Article no.	Nominal diameter	Dimensions
F10543	DN 25	28 mm

### Pump Ball Valve with TECTITE Push-fit Connection

For pump screw connection (union nut not included), TECTITE push-fit connection for copper, carbon steel and stainless steel pipes, de-mounting clip included, full bore, brass.



Extended lever handle

Article no.	Nominal diameter	Dimensions
F10527	DN 25	28 mm

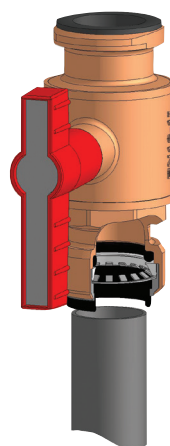
### Pump Ball Valve with Gravity Brake and TECTITE Push-fit Connection

For pump screw connection (union nut not included), TECTITE push-fit connection for copper, carbon steel and stainless steel pipes, de-mounting clip included, full bore, with integrated gravity brake with opening device (does not act as a check valve), brass.



Thermometer handle, red

Article no.	Nominal diameter	Dimensions
F10537	DN 25	28 mm



TECTITE  
Push-fit – click – you're done!

# Handles for Shut-off Ball Valves

## Lever handle

Extended version, coated metal.



Article no.	Nominal diameter	Colour
F10104	DN 20-50	red

## Thermometer Handle

Integrated thermometer Ø 63 mm, metallic body with plastic thermometer handle.



Article no.	Nominal diameter	Colour
F10198	DN 20-50	red
F10199	DN 20-50	blue

## Thermometer Handle, Long Version

Integrated thermometer Ø 63 mm, metallic body with plastic thermometer handle.



Article no.	Nominal diameter	Colour
F10304	DN 20-50	red

## T-handle without Thermometer

Plastic



Article no.	Nominal diameter	Colour
F10202	DN 20-50	black

## T-handle with Thermometer

Integrated thermometer Ø 32 mm, plastic, metal.



Article no.	Nominal diameter	Colour
F10197	DN 20-50	black

## Thermometer Retrofit Kit

Consisting of thermometer and matching protective cap, plastic.



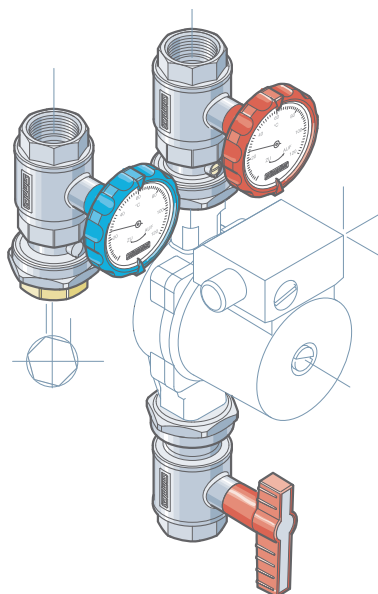
Article no.	Colour
F10108	black

## Handle Types

All ball valves, versions DN 20 to DN 50 (with the exception of F10121), feature a special hollow spindle, which enables different handle options to be fitted depending on the application. All handle types can be interchanged. The handles can be removed from and mounted on the valve without the need for a tool.



## Pump Valve Sets



Pump valve set with thermometer handle

### Basic Set

- ◆ Pump ball valve (1 pc.) with gravity brake and red thermometer handle,
  - ◆ Socket ball valve (1 pc.) with blue thermometer handle,
  - ◆ Pump ball valve (1 pc.) with red lever handle, including 2 union nuts\*
- Pump and pipe are not included.  
\* not with F10190 and F10191

### Pump Valve Set

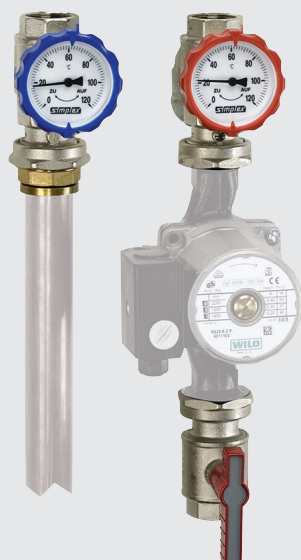
Nickel-plated brass



Article no.	Nominal diameter	Dimensions
F10190 (without union nut)	DN 25	G1i
F10191 (without union nut)	DN 32	G1 1/4i
F10192 (including 2 union nuts)	DN 25	G1i
F10193 (including 2 union nuts)	DN 32	G1 1/4i

### Pump Valve Set with Lockshield Valve

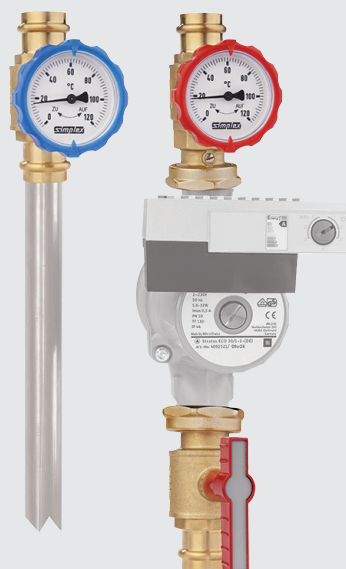
Nickel-plated brass



Article no.	Nominal diameter	Dimensions
F10194	DN 25	G1f
F10195	DN 32	G1 1/4f

### Pump Valve Set with Press Connection

With press connection for M and V profile, for copper, carbon steel and stainless steel pipes, brass.

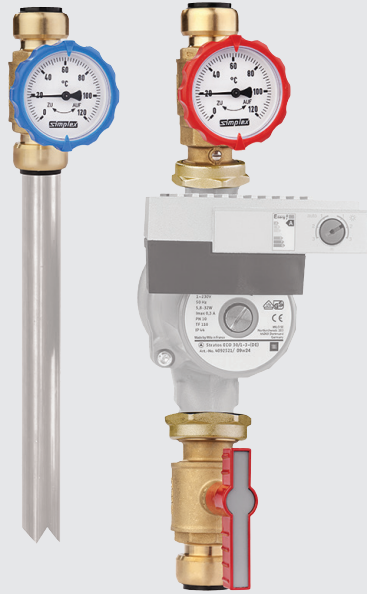


Article no.	Nominal diameter	Dimension
F10584	DN 25	28 mm
F10585	DN 32	35 mm

# Pump Valve Sets / Shut-off Ball Valve Accessories

## Pump Valve Set with TECTITE Push-fit Connection

With TECTITE push-fit connection for copper, carbon steel and stainless steel pipes, brass. TECTITE demounting clip is included.



Article no.	Nominal diameter	Dimension
F10583	DN 25	28 mm



All-purpose: the insulation shells can be shortened to fit the manufacturer's pump insulation!

## Single Insulation Shells for Simplex Pump and Socket Ball Valves

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



Article no.	Nominal diameter	Suitable for
F10555	DN 25	Ball valve DN 25
F10556	DN 32	Ball valve DN 32

## Insulation Shell Set for Simplex Pump Valve Sets

Consisting of 3 insulation shells (2-piece) for insulation in accordance with EnEV, adapts to Simplex pump ball valves and socket ball valves, screw-in, press or push-fit connection, fits in conjunction with Simplex union nuts F10212-F10214.



Article no.	Nominal diameter	Suitable for
F10555SET	DN 25	Ball valve DN 25
F10556SET	DN 32	Ball valve DN 32

## Union Nut

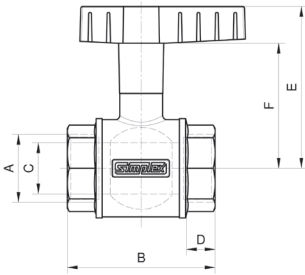
Suitable for pump ball valves.



Article no.	Nom. diam.	Dimension	Colour	Suitable for
F10212	DN 25	G1 1/2f	Blank brass	Pump ball valve DN 25
F10213	DN 25	G1 1/2f	Nickel-plated brass	Pump ball valve DN 25
F10214	DN 32	G1 2f	Malleable cast iron, galvanised	Pump ball valve DN 32

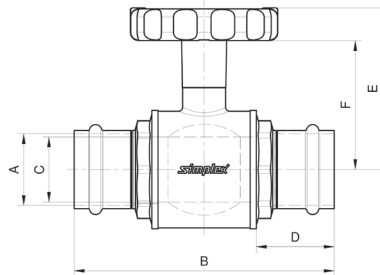
# Dimensional Drawings of Pump and Socket Ball Valves

**Socket Ball Valve**  
with extended lever handle



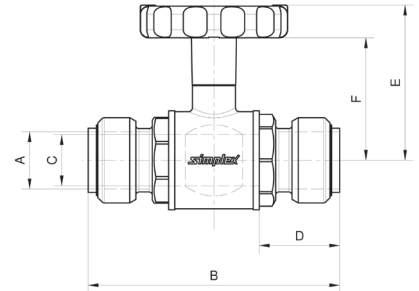
Art. no.	A	B	C	D	E	F
F10120	G1/2f	53	Ø 15	11	67	38
F10121	G3/4f	59	Ø 20	12	70	38
F10122	G1f	73	Ø 25	14	74	37
F10123	G1 1/4f	80	Ø 32	15	77	36
F10115	G1 1/2f	93	Ø 40	16	84	36
F10116	G2i	107	Ø 50	17	91	35

**Socket Ball Valve with Press Connection**  
and round thermometer handle



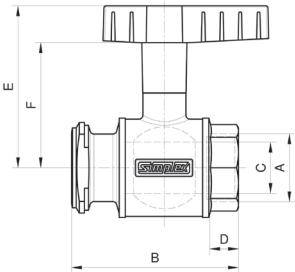
Art. no.	A	B	C	D	E	F
F10523	Ø 28	116	Ø 25	36	75	60
F10536	Ø 28	116	Ø 25	36	75	60
F10524	Ø 35	127	Ø 32	38	79	63

**TECTITE Socket Ball Valve**  
with round thermometer handle



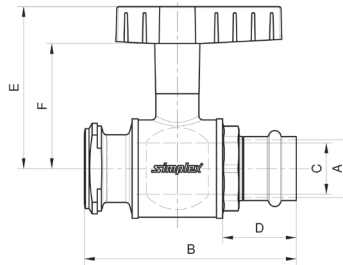
Art. no.	A	B	C	D	E	F
F10543	Ø 28	123	Ø 25	39	75	60

**Pump Ball Valve**  
with extended lever handle



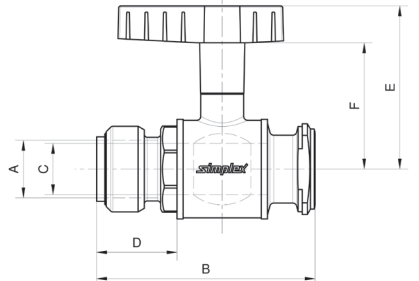
Art. no.	A	B	C	D	E	F
F10127	G1f	82	Ø 25	14	79	61
F10128	G1 1/4f	94	Ø 32	14	83	65

**Pump Ball Valve with Press Connection**  
and extended lever handle



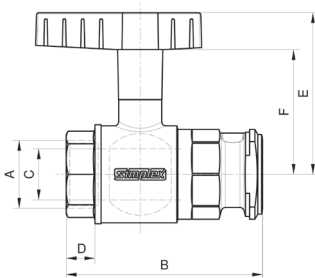
Art. no.	A	B	C	D	E	F
F10521	Ø 28	103	Ø 25	36	79	61
F10522	Ø 32	118	Ø 32	38	83	65

**TECTITE Pump Ball Valve**  
with extended lever handle



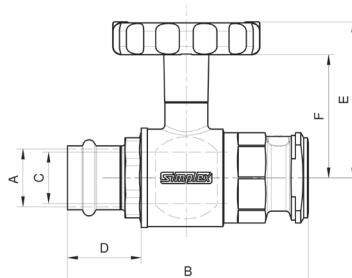
Art. no.	A	B	C	D	E	F
F10527	Ø 28	107	Ø 25	39	79	61

**Pump Ball Valve with Gravity Brake**  
and extended lever handle



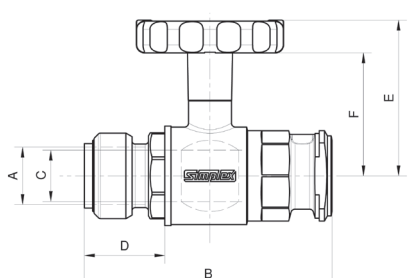
Art. no.	A	B	C	D	E	F
F10131	G1f	96	Ø 25	14	79	61
F10132	G1 1/4f	110	Ø 32	14	83	65

**Pump Ball Valve with Press Connection,**  
**Gravity Brake** and round thermometer handle



Art. no.	A	B	C	D	E	F
F10525	Ø 28	118	Ø 25	36	75	60
F10526	Ø 35	134	Ø 32	38	79	63

**TECTITE Pump Ball Valve with Gravity Brake**  
and round thermometer handle



Art. no.	A	B	C	D	E	F
F10537	Ø 28	121	Ø 25	39	75	60

More dimensional drawings can be found on our website at [www.simplex-armaturen.de](http://www.simplex-armaturen.de)

Dimensions in mm.

