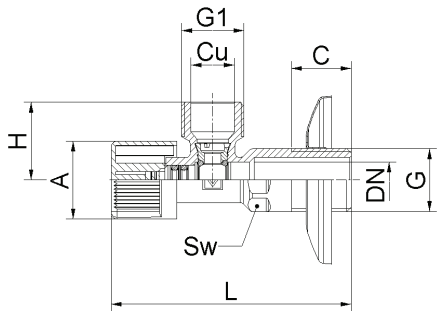


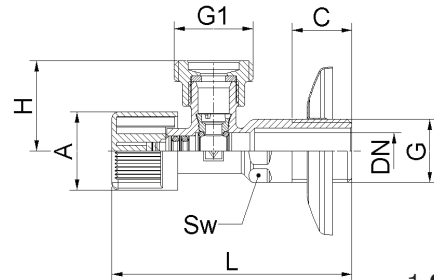
HERZ Angle Ball Valve for potable water

Datasheet for **255X 01**, Issue 0623

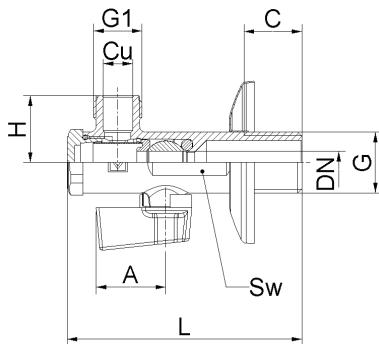
☑ Dimensions



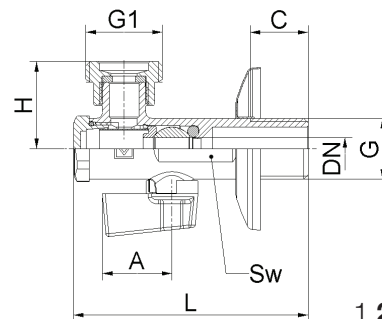
1 **2550(1)** 01



1 **2552** 01



1 **2553** 01



1 **2554** 01

Order Nr.	DN	PN [bar]	G [in]	G1 [in]	Cu [mm]	C [mm]	L [mm]	A [mm]	H [mm]	Sw [mm]	Filter
1 2550 01	6	16	1/2	3/8	10	20	80	26	23	19	No
1 2551 01	6	16	1/2	1/2	15	20	80	26	26	19	No
1 2552 01	6	16	1/2	3/4	/	20	80	26	30	19	No
1 2553 01	8	16	1/2	3/8	10	20	82	24	23	19	Yes
1 2554 01	8	16	1/2	3/4	/	20	82	24	30	19	Yes

☑ Material and construction

Body:	forged brass acc. to EN 12165, chrome plated
Ball:	forged brass acc. to EN 12165, reduced bore
Spindle:	machined brass acc. to EN 12164
Handles (1 2550(1) 01, 1 2552 01):	plastic (ABS), chrome plated
Handles (1 2553 01, 1 2554 01):	ZAMAK15, chrome plated
Ball seals:	EPDM, POM
Spindle seals:	NBR
External threaded connectors:	acc. to ISO 228-1
Filter mesh (1 2553 01, 1 2554 01):	stainless steel, mesh perforation 300 microns

☑ Operating data

Max. operating pressure:	see table above
Min. temperature:	0,5 °C
Max. temperature:	90 °C
Medium:	water, potable water

☑ Field of application

HERZ angle valves for potable water have to be used as shut off elements. Field of application are water installations where we need to connect plumbing fittings, flow meter heaters. Angle valves are used wherever the medium flow has to be reliably closed. Angle valve should not be used as regulating element so it has to be fully opened or fully closed (the handle should not be in intermediate position). Angle ball valve 1 2553 01 and 1 2554 01 have integrated filter that allows water filtration.

☑ Assembly instruction

The threads of the pipe have to be coated with a suitable sealing material (spinning material, Teflon ribbon, sealing paste). There should not be excess of sealing material on the pipe because it can damage the thread. The ball valve with thread (G) is screwed onto the wall fitting. When using copper or plastic pipes take into account pressure and temperature limits of used material. When assembling, use a suitable assembly tool that adapts to valve end connections (Sw, Sw1). The angle valve can be mounted in any position: horizontal, vertical or upside-down. Following assembly, the connections of ball valve must be checked for water-tightness by the installer. All engineering standards and recognised regulations must be adhered by these specialist staff. If there are impurities in the medium (water too hard, dust, etc.) there should be a filter installed, in other case the impurities can damage the seals in the valve.

☑ Function principle

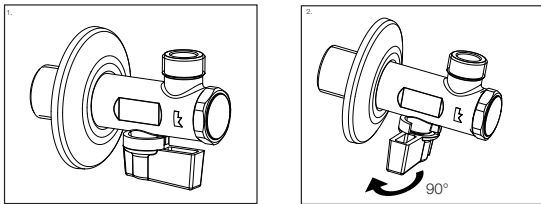
Inspect the position of the handle to see whether the ball valve is opened or closed. It is opened if the handle is aligned with the pipe and it is closed if the handle is positioned perpendicularly to the pipe. Open or close the ball valve by rotating the handle for 90°.

☑ Maintenance instructions

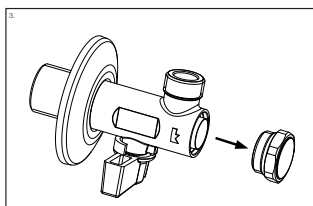
According to EN 806-5 (point 6. Operation) valves should always be in their fully opened or closed position and actuated at regular intervals to ensure they remain operational. Therefore, HERZ Ball valves must be closed and opened for several times periodically every six months. This prevents the ball valve from blocking, reduces sediment deposition and reduces the possibility of corrosion inside the valve.

The filter in an angle ball valves 1 2553 01 and 1 2554 01 has to be cleaned in following manner:

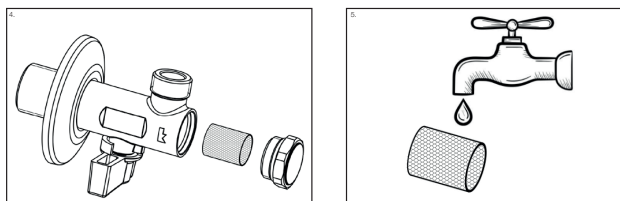
1. Close the valve



2. Unscrew the valve plug



3. Pull out and clean the filter mesh



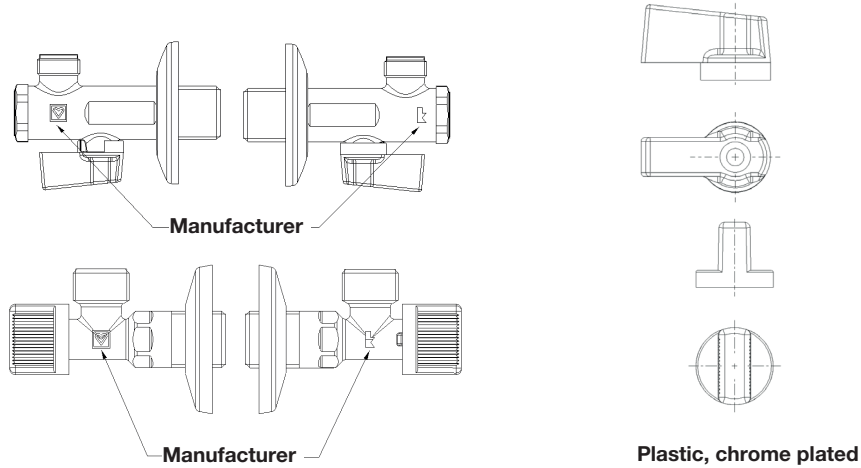
4. Assemble in reverse order

Replace the filter if it is damaged (see spare parts table).

Disposal instruction

The disposal of HERZ angle valves must not endanger the health or the environment. National legal regulations for proper disposal of the HERZ angle valves must be followed.

Labels on ball valves



Spare parts

Order Nr. Valve	Order Nr. Handle	Order Nr. Filter	Order Nr. Rosette
1 2550 01	2203611R	/	2223630R
1 2551 01	2203611R	/	
1 2552 01	2203611R	/	
1 2553 01	2216612R	2321911R	
1 2554 01	2216612R	2321911R	

Material

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

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Beispiel der Verwendung von HERZ Produkten in einer Wasserversorgungsanlage

