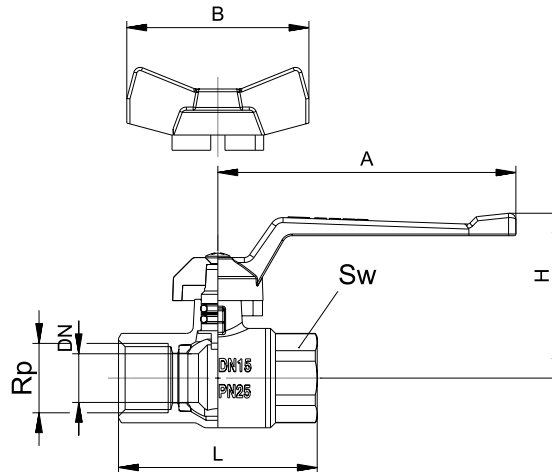


HERZ - BALL VALVE FOR POTABLE WATER

Datasheet for 2 2100 XX, Issue 0421

☑ Dimensions in mm



Order number	DN	Handle	PN [bar]	Rp ISO 7-1 ["]	L [mm]	H [mm]	B [mm]	Sw [mm]	Mass [kg]
2 2100 11	15	T-handle	25	1/2	60	50	55	25	0,203
2 2100 12	20	T-handle	25	3/4	68	52	55	31	0,307
2 2100 13	25	T-handle	25	1	81	72	75	39	0,569
2 2100 14	32	T-handle	25	1 1/4	95	75	75	48	0,921
2 2100 01	15	lever	25	1/2	60	50	90	25	0,203
2 2100 02	20	lever	25	3/4	68	52	90	31	0,307
2 2100 03	25	lever	25	1	81	72	135	39	0,569
2 2100 04	32	lever	25	1 1/4	95	75	135	48	0,921
2 2100 05	40	lever	25	1 1/2	106	91	180	55	1,164
2 2100 06	50	lever	25	2	127	97	180	68	2,010

☑ Material and construction

Body	forged brass acc. to EN 12420, in compliance with the UBA / 4MS lists
Ball	forged brass acc. to EN 12420, hollow, hard chrome plated, no dead leg
Spindle	turned brass
Handle	T Aluminium alloy, green
Ball seals	PTFE
Spindle seals	EPDM 70
Connectors	threads acc. to ISO 7-1

☑ Technical data

Maximum pressure	25 bar
Min. operating temperature	-10°C (water 0,5°C)
Maximum temperature	85 °C

Certification



2 2100 XX are certified with the Austrian ÜA-sign for potable water.

Field of application

Ball valves are used as isolation (closed, open) in potable water installations. They are used wherever the medium flow has to be reliably closed.

Assembly instructions

The threads of the pipe are 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 (Rp) is screwed onto the pipe. 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). The ball valve can be mounted in any position: horizontal, vertical or upside-down. Following assembly, the connections of ball valve must be checked for watertightness 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.

Brass

HERZ uses top-quality brass.

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.

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 instruction

When the ball valve is installed, it does not require any special maintenance. It is recommended to close and open the ball valve periodically (at least twice a year, every 6 months).

Disposal instruction

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

Diagrams

Diagram pressure-temperature

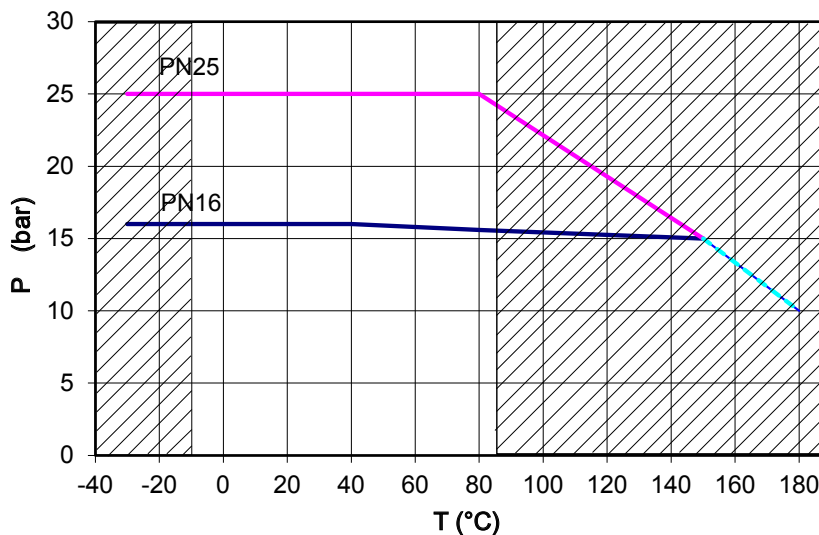


Diagram flow-dimension

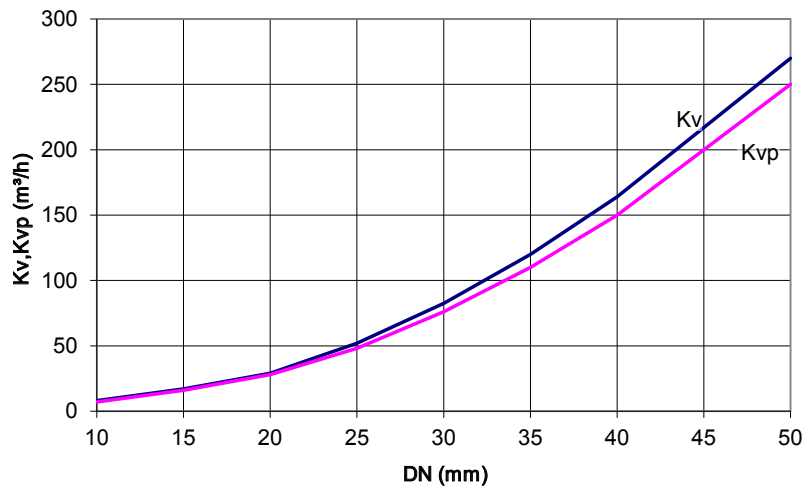
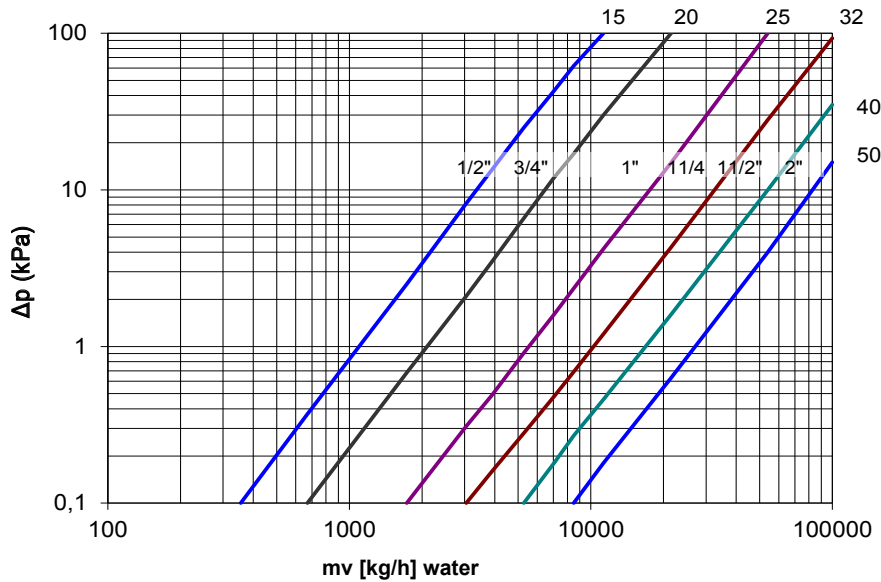


Diagram pressure drop - flow



DN	15	20	25	32	40	50
Kv [m³/h]	17	34	55	102	165	270
Kvp [m³/h]	15,8	31,5	51	95	153	250

Kv: Outflow characteristic (m³/h) - is the flow of water at temperature 15.5°C, a pressure drop of 1 bar (100 kPa) and a fully open valve.

Kvp: Outflow characteristic (m³/h) - is the flow of air with density of 1,16 kg/m³ at temperature 15.5°C, a pressure drop of 1 mbar (0,1 kPa) and a fully open valve.

Please note: All specifications and information within this document are reflecting the information available at the time of going to print and meant for informational purpose only. Herz Armaturen reserves the right to modify and change products as well as its technical specifications and/or its function according to technological progress and requirements. All diagrams are indicative in nature and do not to be complete. It is understood that all images of Herz products are symbolic representations and therefore may visually differ from the actual product. Colours may differ due to printing technology used. In case of any further questions don't hesitate to contact your closest HERZ Branch-Office.