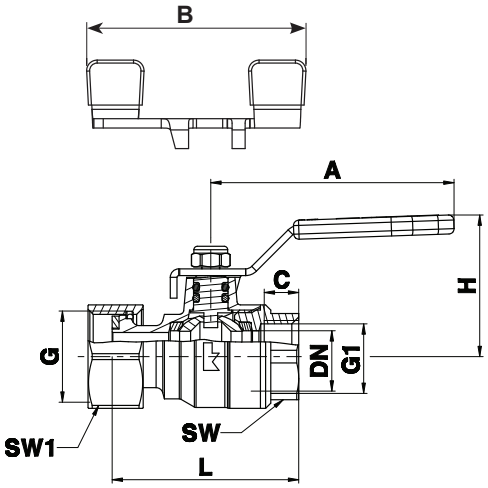
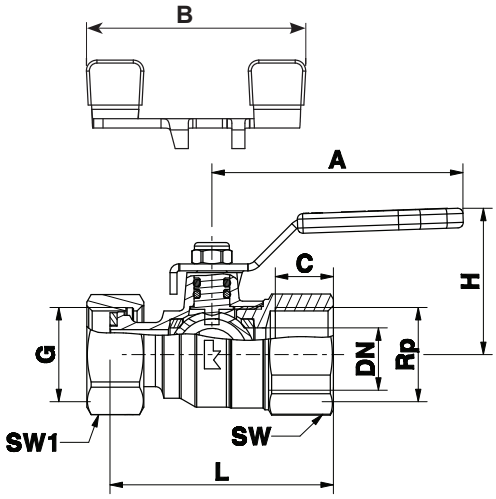
Ball valve with free moving nut

Datasheet **1 2442 XX,** Issue 1225

Dimensions



1 **2442** 01
1 **2442** 11



1 **2442** 02
1 **2442** 12

Order Nr.	DN	G [in]	G1 [in]	Rp [in]	L [mm]	H [mm]	A [mm]	B [mm]	C [mm]	SW [mm]	SW [mm]	SW [mm]	Handle
1 **2442** 01	15	3/4”	1/2”	/	54	41	70	/	10	25	30	0.21	lever
1 **2442** 02	20	3/4”	/	3/4”	62.7	41	70	/	16.3	32	30	0.24	lever
1 **2442** 11	15	3/4”	1/2”	/	54	42	/	59	10	25	30	0.21	T-handle
1 **2442** 12	20	3/4”	/	3/4”	62.7	42	/	59	16.3	32	30	0.24	T-handle

Material and construction

Body:	forged brass acc. to EN 12165
Ball:	forged brass acc. to EN 12165, hollow, full bore, hard chrome plated
Spindle:	machined brass acc. to EN 12164
Handle:	steel sheet - plated, lever handle, red
Ball seals:	PTFE
Spindle seals:	EPDM
Internal threaded connectors:	acc. to ISO 228 (G), ISO7-1 (Rp)

Operating data

Max. operating pressure:	PN 16 bar
Min. temperature:	-10 °C (water 0.5 °C)
Max. temperature:	85 °C (water up to 110 °C - no steam)

Medium:
Heating water quality according to ÖNORM H5195 or VDI-Standard 2035. The use of ethylene or propylene glycol in a mixing ratio 25- 50% is allowed. Please refer to manufacturers documentation when using ethylene glycol products for frost and corrosion protection. HERZ ball valve for heating and chilled water is not suitable for usage of aggressive medium (such as: acids, alkalis, combustible and explosive gases.) because it can destroy sealing components.

Field of application

HERZ ball valves with free moving nut have to be used as shut off elements. Field of application are building services, such as heating or chilled water plants. Ball valves are used wherever the medium flow has to be reliably closed. Ball 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).

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, Rp) is screwed onto the pipe. The pipes have to be correctly alligned, so the valve is not loaded with a bending moment. When using cooper 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 ball 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.

Maintenance instruction

When the HERZ ball valves with free moving nut is installed , does not require any special maintenance. It is recommended to close and open the ball valve periodically (at least twice a year).

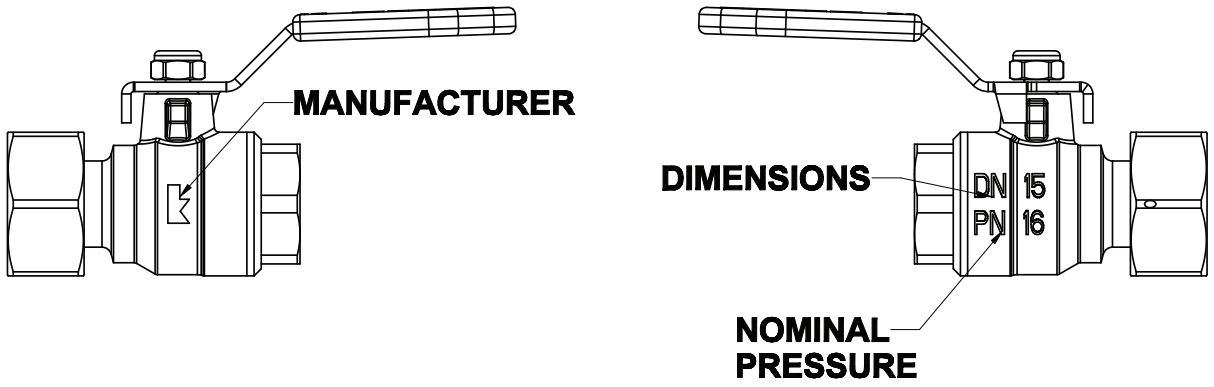
Brass

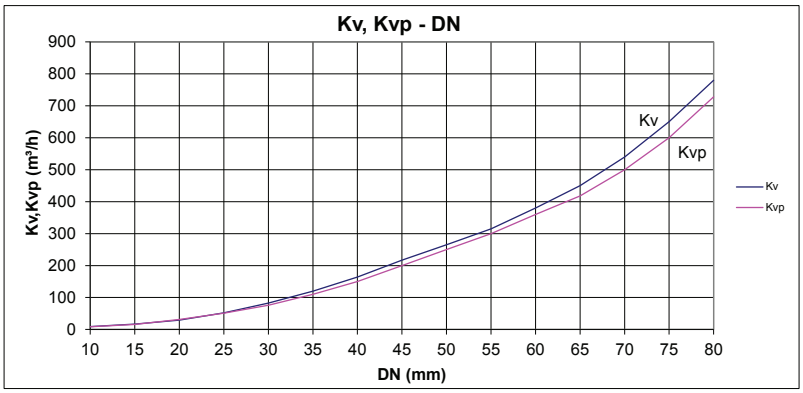
Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of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

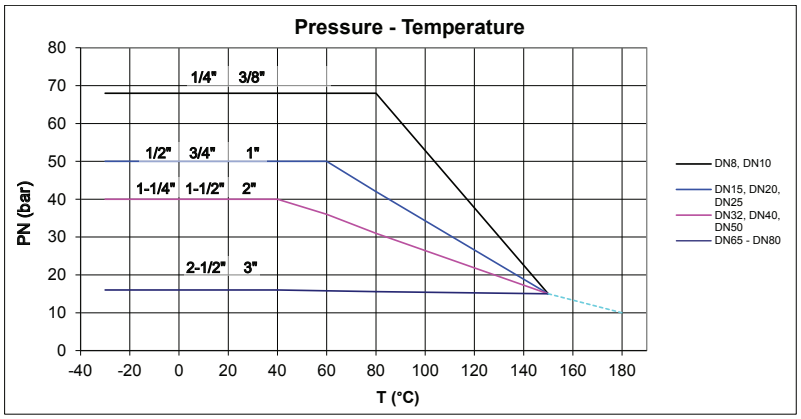
Disposal instruction

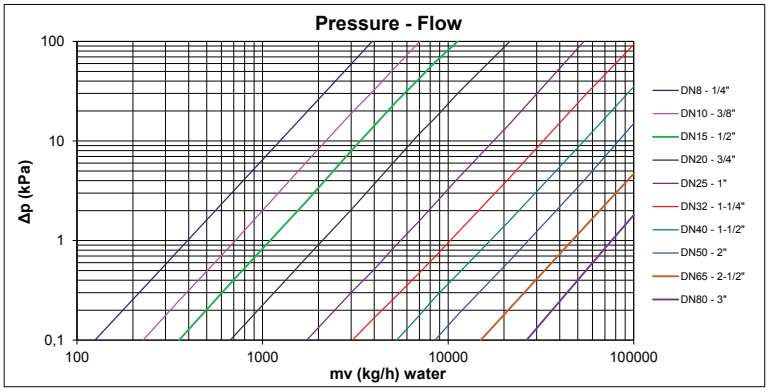
The disposal of HERZ ball valves with free moving nut must not endanger the health or the environment. National legal regulations for proper disposal of the HERZ ball valves with free moving nut have to be followed.

Labels on the ball valve









DN	15
Kv [m³/h]	17
Kvp [m³/h]	15,8

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 it 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.