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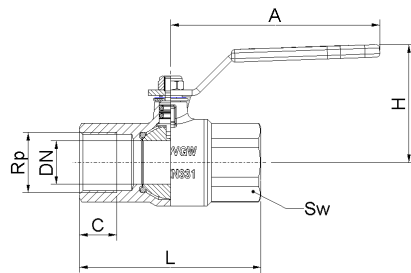


# HERZ - Gas ball valve

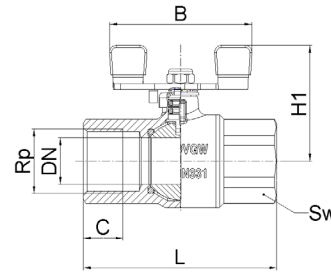
## Certificate ÖVGW

Datasheet 1 2300 XX, Issue 0721

### ☑ Dimensions



1 2300 2X



1 2300 3X

Model	DN	MOP	PN* [bar]	Rp [in]	L [mm]	C [mm]	A [mm]	B [mm]	H [mm]	H1 [mm]	Sw [mm]	Weight [kg]
1 2300 20	10	5	1	3/8	60	11,4	70	/	41	41	21	0,172
1 2300 21	15	5	1	1/2	75	15	90	/	49	45	26	0,297
1 2300 22	20	5	1	3/4	80	16,3	90	/	52	47	32	0,428
1 2300 23	25	5	1	1	90	19,1	135	/	64	65	41	0,770
1 2300 24	32	5	1	1-1/4	110	21,4	135	/	67	69	50	1,290
1 2300 25	40	5	1	1-1/5	120	21,4	180	/	86	/	55	1,977
1 2300 26	50	5	1	2	140	25,7	180	/	92	/	70	3,140
1 2300 39	8	5	1	1/4	55	11	/	60	41	41	17	0,147
1 2300 30	10	5	1	3/8	60	11,4	/	60	41	41	21	0,168
1 2300 31	15	5	1	1/2	75	15	/	60	49	45	26	0,295
1 2300 32	20	5	1	3/4	80	16,3	/	60	52	47	32	0,425
1 2300 33	25	5	1	1	90	19,1	/	85	64	65	41	0,750
1 2300 34	32	5	1	1-1/4	110	21,4	/	85	67	69	50	1,250

### ☑ Material and construction

Body:	forged brass acc. to EN 12165, CW617N
Ball:	forged brass acc. to EN 12165, hollow, full bore, hard chrome plated, CW617N
Spindle:	turned brass acc. to EN 12164, CW614N
Handles:	Lever handle, yellow, sheet steel - Zn plated T-handle, yellow, sheet steel - Zn plated
Ball seals:	NBR 80ShA
Spindle seals:	NBR 70ShA

**Operating data**

Construction and tests:	acc. to EN 331, DIN 3537-1, DIN 3586
Operating pressure:	for MOP5 gas (EN331), PN1 (HTB 650 °C)
Operating temperature range:	for gas -20 °C to 60 °C, certified acc. to DIN-DVGW under No. NC-4312BN0382
Sealing material:	acc. to EN 549
Lubricants:	acc. to EN 377
Medium:	gases acc. to EN 437, gas groups 1, 2, 3 DVGW table G260/I
Connection threads:	acc. to standard ISO 7-1, ISO 228

\*HTB 650 °C - fireproof (30 min)

**Field of application**

HERZ gas ball valves are used as shut off valves in gas installations before the final gas consumers (gas heaters, boilers, stoves) in compliance with DVGW-TRGI 2008. Ball valves are suitable for gas groups 1, 2, 3, according to EN 437. The ball valve are used as a protective element in gas installations in two basic positions: open - closed, and not in intermediate position. In case of a fire the valve has to be closed. At increased temperature the seal shall burn up. In this case, the ball valve tightens between the ball and the body with a metallic seal.

**Assembly instruction**

The threads of the pipe have to be coated with a suitable sealing material (spinning material, Teflon ribbon, sealing paste). Ball valve is mounted before thermal non-resistant elements (gas meter, rubber hose, furnace, heater, stove). When assembling use suitable assembly tool, that adapts to valve end connections (Sw).

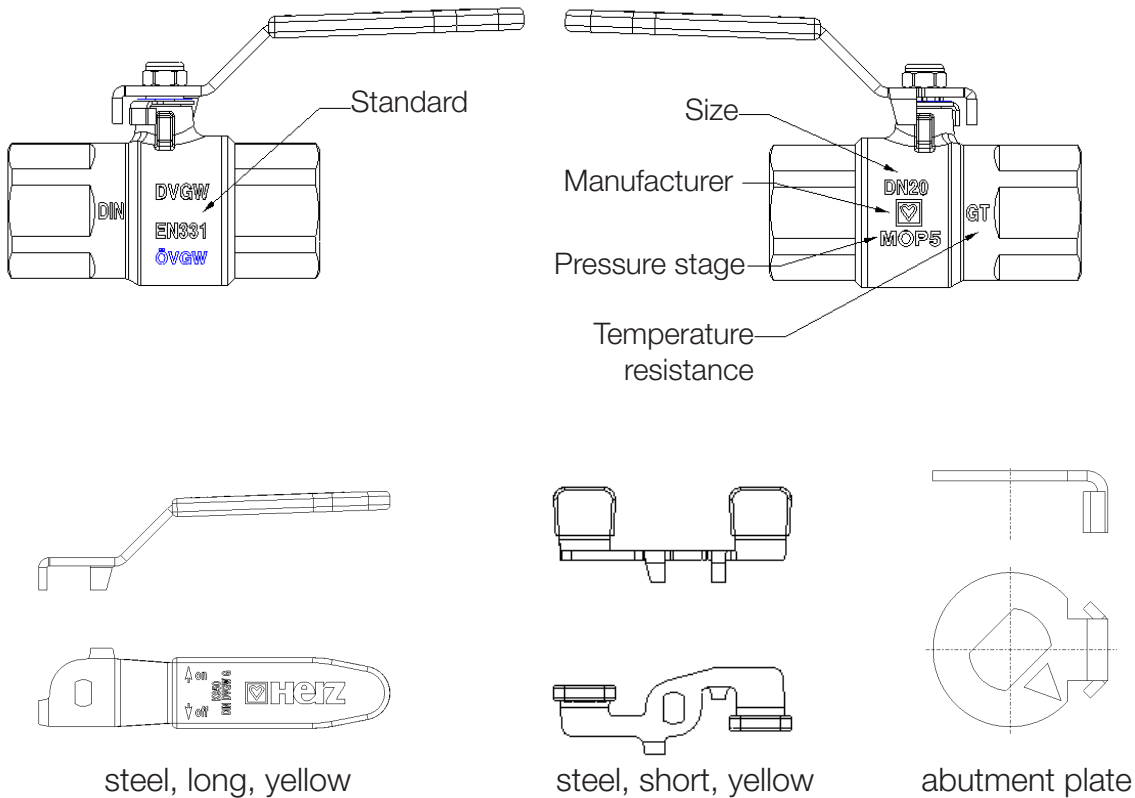
**Maintenance instruction**

HERZ gas ball valve does not require any special maintenance. It is recommended to close and open the ball valve at least twice a year.

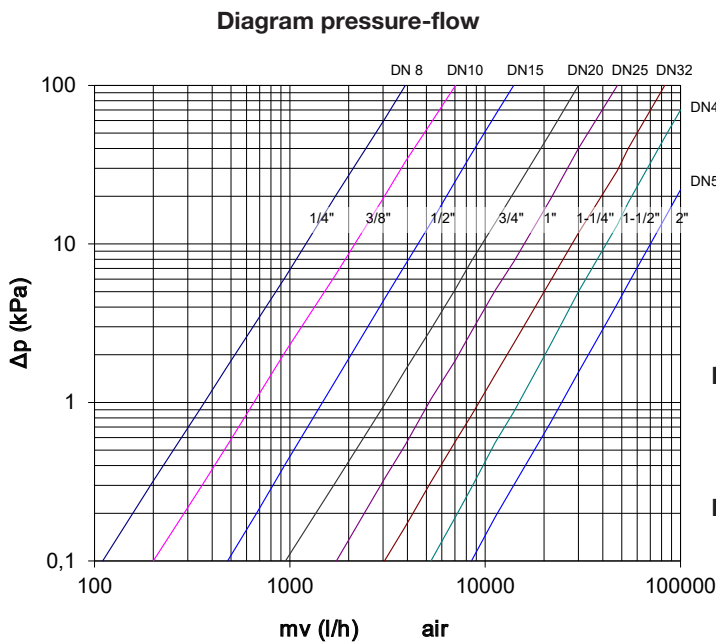
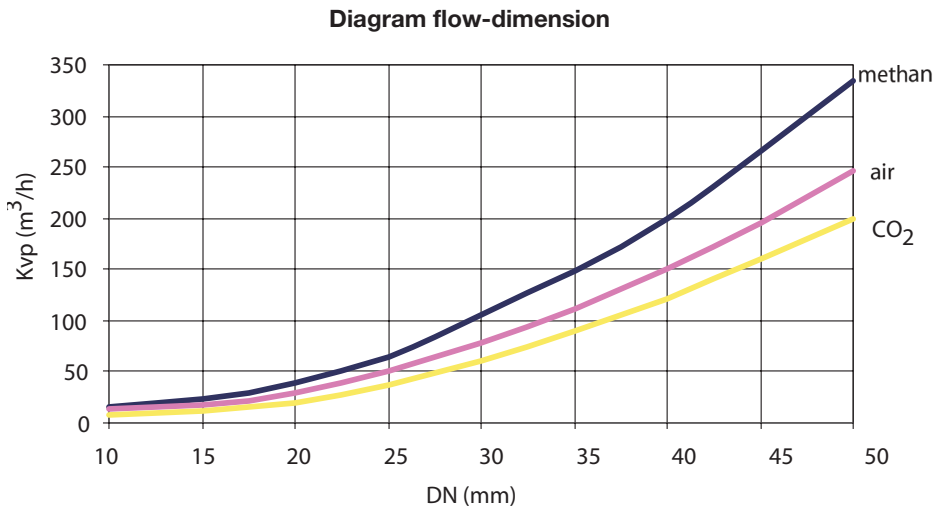
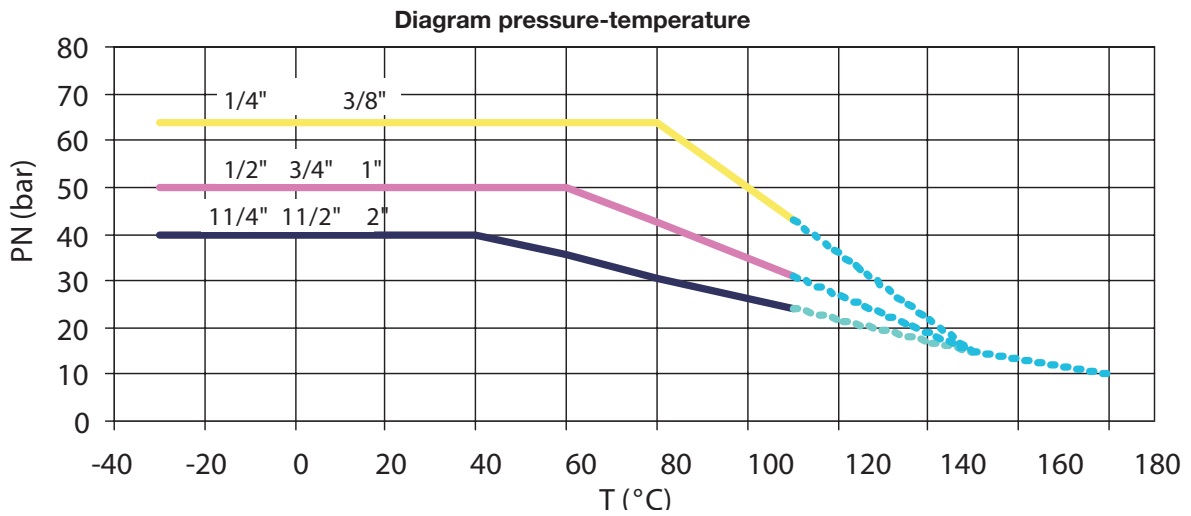
**Disposal instructions**

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

**Labels on ball valves**



Diagrams of HERZ gas ball valves



DN	Kv	Kvp
8	3,9	3,6
10	7,1	6,6
15	17	15,8
20	34	31,5
25	55	51
32	102	95
40	165	153
50	270	250

**Kv:** Outflow characteristic (m<sup>3</sup>/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 (m<sup>3</sup>/h) - is the flow of air with density of 1,16 kg/m<sup>3</sup> at temperature 15.5 °C, a pressure drop of 1 mbar (0,1 kPa) and a fully open valve.

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