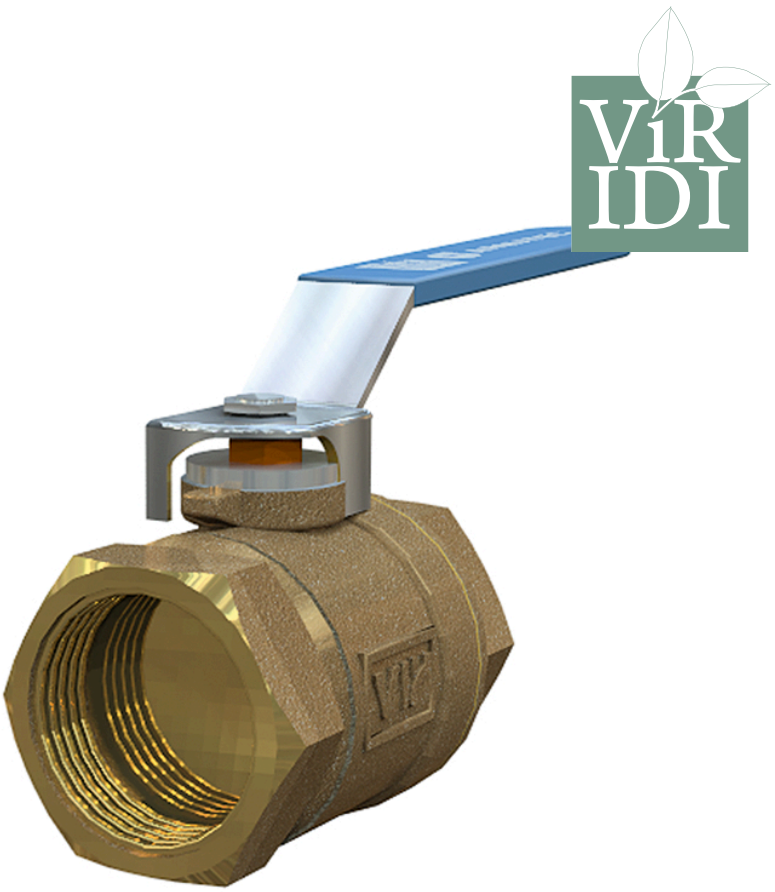
Ball valve AT 3700-



Product information

Low neck, full flow, internal thread, and steel handle. Viridi ball valve in dezincification-resistant lead-free brass (less than 0.1% lead). For hot and cold water, as well as heating, cooling, air, and gas systems. Can also be used for vacuum and lighter oils (such as diesel).

Dimension range (DN)	10 - 50
PN	25 - 40
Temperature (°C)	0 - 150
Main material	Brass

Area of use

Viridi shut-off valve for hot and cold tap water, as well as heating, cooling, air, and gas systems. It can also be used for vacuum and lighter oils (such as diesel), see also section "Installation".

For tap water, refrigeration and heating systems (fluid group 2), the range is -30°C to +130°C. For flammable liquids, maximum 16 bar. PN40 for ≤DN50 (Max 40bar empty +95°C, max 25bar at +150°C)
PN25 for ≥DN65 (Max 25bar empty +95°C, max 16bar at +150°C)
Suitable for water from 0°C to 150°C.
Suitable for air from -10°C to 150°C.
Can be used down to -30°C in cooling systems with glycol-blended media.

Tender text

PSB.1 Ball valves
Green ball valve in dezincification-resistant lead-free brass (lead content below 0.1%) AT 3700, G... With full flow, internal thread, and steel handle. Packing made of graphite and a Teflon-coated ball. The Viridi ball valve AT 3700 is approved for installation where requirements from the Building Assessment and Healthy House have been set.

Quality assurance

Accepted material, 4MSI Common Approach - Part B – 23rd Revision, 5th December 2025, AFS 2023:5, 8 paragraf, PED 2014/68/EU art 4.3

The Viridivent valves may be used for liquids and gases in group 2 according to AFS 2016:1. The Viridivent valves are covered by AFS 2016:1, section 8, the directive for pressure equipment (PED 4.3) and therefore may not be CE marked. The Viridi range is made of alloys that are covered by the "4MS Common Composition List" which includes materials and products approved for use in contact with drinking water.
Product marking: Brand, PN and DN.

Energy and environment declaration

Product Bvb: Avoided
Product BVB ID: 115518
Subject to notification under REACH: No
Reach date: 12/06/2026

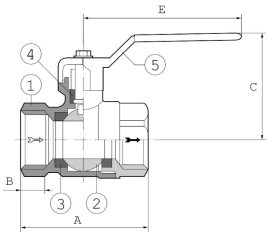
Item number	CO2 ATSE (A1-A3/kgCO2e)
3700-10	2.123
3700-15	2.123
3700-20	2.9722
3700-25	5.0759
3700-32	7.80685
3700-40	11.5607
3700-50	17.37
3700V40	0
3700V50	
3702-15	0
3702-20	

Pos	Component	Material

Measurements and weight

Dimension range (DN): 10 - 50

DN	A	B	C	E	Net weight (kg)
10	39	9	41	81	0.22
15	49	12	53	91.5	0.22
20	58	12	57	91.5	0.308
25	67	15	65	126.5	0.526
32	81	15	71	126.5	0.809
40	94	17	79	141.5	1.198
50	110	19	87	141.5	1.8



Function and design

The AT 3700 has a fully threaded and adjustable graphite box. The AT 3700 also features a "blow out-safe" spindle. The DN40 and DN50 ball valves can be equipped with slow-closing handles, such as the 3700V40 and 3701V50.

Technical data

Main material: Brass
Main material code: Brass (CuZn38As) (CW511L, Pb<0,1%)
Included materials: Brass, Stainless steel, Steel, Other
Included material code: Brass (CuZn38As) (CW511L, Pb<0,1%), PTFE (polytetrafluoroethylene)
Temperature (°C): 0 - 150
Temperature notes: PN40 for ≤DN50 (Max 40bar at +95°C, max 25bar at +150°C) PN25 for ≥DN65 (Max 25bar at +95°C, max 16bar at +150°C) Used for water from 0°C to 150°C. Used for air from -10°C to 150°C. Can be used down to -30°C in cooling systems with glycol-containing media.
PN: 25 - 40
Connection: Internal thread ISO 228-1 (G, BSPP)
ETIM classification: EC011343 - Ball valve
BK04 code: 20702 Ball valves
MagiCAD link: https://redir.magicad.cloud/product/b015e329-f245-4abf-ab06-5d04002568ed
Comment to colour: Natural colour, untreated.

DN	KVS	Connection 1	Connection 1 - spec.	Connection 2	Connection 2 - spec.
10	5.8	Internal thread ISO 228-1 (G, BSPP)	3/8	Internal thread ISO 228-1 (G, BSPP)	3/8
15	15.7	Internal thread ISO 228-1 (G, BSPP)	1/2	Internal thread ISO 228-1 (G, BSPP)	1/2
20	30.8	Internal thread ISO 228-1 (G, BSPP)	3/4	Internal thread ISO 228-1 (G, BSPP)	3/4
25	49.3	Internal thread ISO 228-1 (G, BSPP)	1	Internal thread ISO 228-1 (G, BSPP)	1
32	79	Internal thread ISO 228-1 (G, BSPP)	1 1/4	Internal thread ISO 228-1 (G, BSPP)	1 1/4
40	125.3	Internal thread ISO 228-1 (G, BSPP)	1 1/2	Internal thread ISO 228-1 (G, BSPP)	1 1/2
50	224.2	Internal thread ISO 228-1 (G, BSPP)	2	Internal thread ISO 228-1 (G, BSPP)	2

Installation and maintenance

Flowdirection: Bi-directional
Possible mounting position: Vertical, Horizontal
"All valves have internal pipe threads. Tightening of the packing may be necessary for air and gas systems when the test pressure exceeds 6 bar. The valve should be operated regularly to avoid accumulation of dirt that can lead to leakage."

The company's management system
is certified by DNV
ISO 9001 • ISO 14001

Get into the flow

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