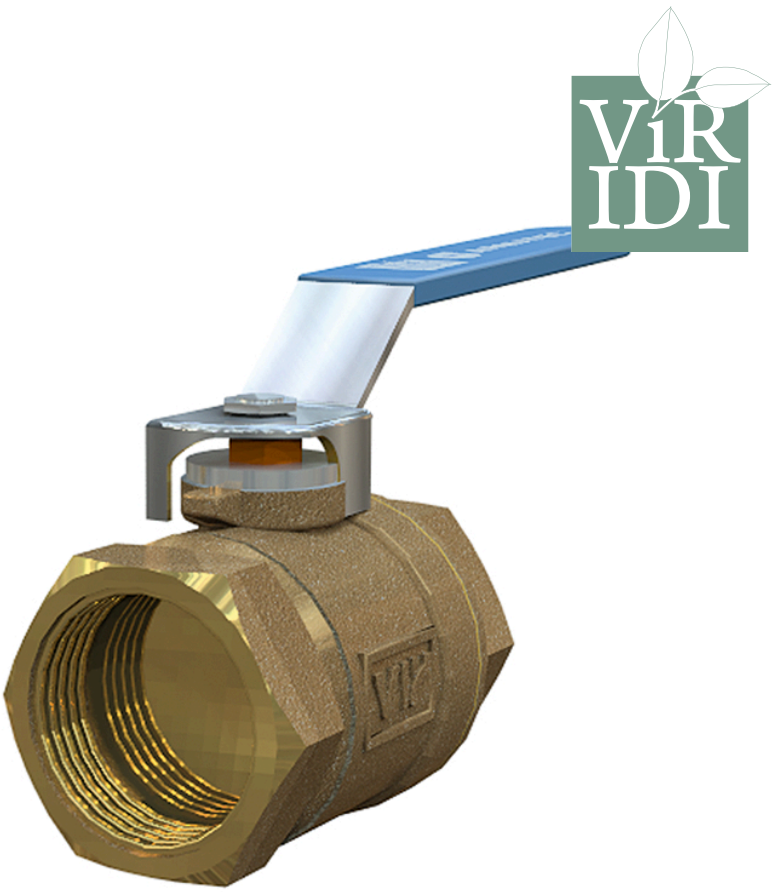
# Ball valve AT 3700-



# 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

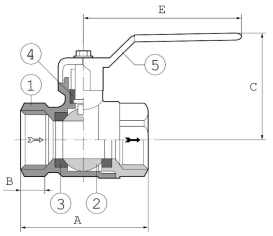
| Item number | CO2 ATSE (A1-A3/kgCO2e) |
|---|---|
| 3700-10 | 2.123 |
| 3700-15 | 2.123 |
| 3700-20 | 2.9722 |
| 3700-25 | 5.0759 |
| 3700-32 | 7.80685 |
| 3700-40 | 11.5607 |
| 3700-50 | 17.37 |
| 3700V40 | 0 |
| 3700V50 | 0 |
| 3702-15 | 0 |
| 3702-20 | 0 |

| 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

**Get into the flow with Armatec.**

armatec

info@armatec.se | +46 31 89 01 00 | www.armatec.se