



Product information

High 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 (e.g. diesel).

| | |
|----------------------|---------|
| Dimension range (DN) | 10 - 50 |
| PN | 25 |
| 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 flammable liquids max 16 bar.

Suitable for water 0°C to 150°C. PN25 (Max 25bar up to +110°C, max 16bar >110°C)

Suitable for air -10°C to 150°C. PN25 (Max 20bar up to +110°C, max 16bar >110°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 3701, G ... With full flow, internal thread, cast high spindle neck and steel handle. Packing made of graphite and teflon-coated ball. The Viridi ball valve AT 3701 is approved for installation where requirements from the Building Assessment and Healthy House have been set.

Quality assurance

AFS 2016:1, 8 paragraf, Accepted material, 4MSI Common Approach - Part B – 17th Revision, 10th January 2023

The Viridi valves may be used for liquids and gases in group 2 according to AFS 2016:1. The Viridi valves are covered by AFS 2016:1, 8§, the directive for pressure equipment (PED 4.3) and therefore shall not be CE marked.

Product marking: Brand, PN and DN.

Energy and environment declaration

Product Bvb: Accepted

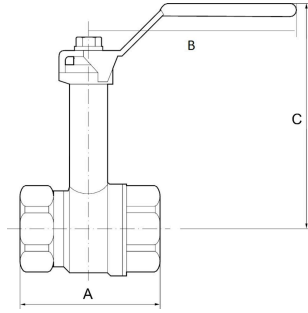
Product BVB ID: 115579

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Reach date: 2/23/2022 6:58:00 PM

List of details

| Pos | Component | Material |
|-----|--------------|------------------------------------|
| 1 | Valve body | Brass (CuZn38As) (CW511L, Pb<0,1%) |
| 2 | Ball | Stainless steel 304 (1.4301) |
| 3 | Seat rings | PTFE (polytetrafluoroethylene) |
| 4 | Stuffing box | PTFE (polytetrafluoroethylene) |
| 5 | Lever | Steel |



Measurements and weight

Dimension range (DN): 10 - 50

| DN | 15 | 20 | 25 | 32 | 40 | 50 |
|-----------------|------|-------|-------|-------|-------|-------|
| A | 49 | 58 | 67 | 81 | 94 | 110 |
| B | 91.5 | 91.5 | 126.5 | 126.5 | 141.5 | 141.5 |
| C | 98 | 101 | 110 | 120 | 132 | 140 |
| Net weight (kg) | 0.3 | 0.395 | 0.63 | 0.9 | 1.37 | 1.945 |

Function and design

The AT 3701 has a fully threaded and retractable graphite box. The AT 3701 has a so-called "blow-out safe" spindle. The AT 3701 has a high spindle neck, suitable for installation where the valve needs to be over-insulated. Ball valves DN40 and DN50 can be obtained with a slow-closing handle, such as 3700V40 and 3701V50.

Technical data

Main material: Brass

Main material code: Brass (CuZn38As) (CW511L, Pb<0,1%)

Included materials: Brass, Steel, Stainless steel, Plastic, Other

Included material code: Brass (CuZn38As) (CW511L, Pb<0,1%), PVC (polyvinyl chloride), PTFE (polytetrafluoroethylene)

Temperature (°C): 0 - 150

Temperature notes: Suitable for water from 0°C to 150°C. PN25 (maximum 25 bar up to +110°C, maximum 16 bar above 110°C). Suitable for air from -10°C to 150°C. PN25 (maximum 20 bar up to +110°C, maximum 16 bar above 110°C).

PN: 25

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/72e4f0c0-b9a8-4925-97f9-f243368ed81d>

Comment to colour: Natural colour, untreated.

| Item number | KVS | Connection 1 | Connection 1 - spec. | Connection 2 | Connection 2 - spec. |
|-------------|-------|-------------------------------------|----------------------|-------------------------------------|----------------------|
| 3701-15 | 15.7 | Internal thread ISO 228-1 (G, BSPP) | 1/2 | Internal thread ISO 228-1 (G, BSPP) | 1/2 |
| 3701-20 | 30.8 | Internal thread ISO 228-1 (G, BSPP) | 3/4 | Internal thread ISO 228-1 (G, BSPP) | 3/4 |
| 3701-25 | 49.3 | Internal thread ISO 228-1 (G, BSPP) | 1 | Internal thread ISO 228-1 (G, BSPP) | 1 |
| 3701-32 | 79 | Internal thread ISO 228-1 (G, BSPP) | 1 1/4 | Internal thread ISO 228-1 (G, BSPP) | 1 1/4 |
| 3701-40 | 125.3 | Internal thread ISO 228-1 (G, BSPP) | 1 1/2 | Internal thread ISO 228-1 (G, BSPP) | 1 1/2 |
| 3701-50 | 224.2 | Internal thread ISO 228-1 (G, BSPP) | 2 | Internal thread ISO 228-1 (G, BSPP) | 2 |
| 3701V40 | 125.3 | Internal thread ISO 228-1 (G, BSPP) | 1 1/2 | Internal thread ISO 228-1 (G, BSPP) | 1 1/2 |
| 3701V50 | 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 the accumulation of dirt that can lead to leakage."

Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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

THE COMPANY'S MANAGEMENT SYSTEM
IS CERTIFIED BY DNV
ISO 9001 • ISO 14001