



## SWEDISH TYPE APPROVAL 1457 WITH DECISION ON PRODUCTION CONTROL

### Holder: Broen A/S

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### BROEN Ballofix® ball valves

#### Product description

Ballofix® standard valves including angle valves. The ball valve with a housing made of dezincification-resistant brass or redware with sealing rings. The valve is opened and closed with a handle or screwdriver. The handle, or slot for a screwdriver, indicates the passage of the ball.

#### Intended use

Shut-off valve in the distribution of cold and hot tap water, where the maximum allowable operating pressure is 1.0 MPa and where the operating temperature momentarily does not exceed 95 °C or continuously does not exceed 70 °C.

#### Scope

Ballofix® ball valve with following union:

- Press fittings copper and stainless steel pipes in dimensions 12, 15, 18 and 22 mm
- Internal or external thread for pipes in dimensions R8, R10, R15, R20, R25, R32
- compression fittings for copper and stainless steel pipes in dimensions 10, 12, 15, 18 and 22 mm
- TECTILE fittings for copper and PEX pipes in dimensions 10, 12, 15, 18 and 22 mm
- HENCO fittings for Alu PEX pipes in the dimensions 16, 20 and 26 mm


#### Approval

The products meet the requirements of Chapter 8, Section 4, of the "Planning and Building Act" (PBA) regarding the technical characteristics of construction works, "3. Protection with regard to hygiene, health and the environment", depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of "Boverket's Building Regulations" (BBR):

Construction products with assessed properties	1:4
Tap water installations	6:62, paragraph 2
Design	6:625, paragraph 1 and 4

#### Marking

Marking must be affixed on the product or, if there are special reasons, on the packaging or the delivery note. Marking shall indicate the following information:

Holder:	BROEN
Product name, and relevant article number:	Ballofix® ball valve (article number)
Production site:	Applicable manufacturer or ID code (e.g. yyyy-mm-dd or batchnumber)
Traceability to the production:	-
Information about requirements or class, if relevant:	+
The registered trademark of Boverket No 241 217:	Kiwa Certification AB 
Certification Body:	1913
Accreditation number:	1457
Type Approval No:	Kiwa Certification AB
Inspection Body:	

CERTIFIKAT

#### Kiwa Certification AB

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Accred. no. 1913  
Certification of  
Products  
ISO/IEC 17065

**Production site(s):**

1. Broen A/S, Assens, Denmark.
2. Broen Poland sp. z o.o. Dzierżoniów, Poland.

**Control**

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body.

Inspection Body: **Kiwa Certification AB** Inspection agreement: **953/2018, updated 25 Aug 2020**

Factory production control shall be carried out in accordance with the current instructions for control.

During inspection at the construction site, the building proprietor must verify the identity of the product by means of the marking. Furthermore, the building proprietor must ensure that the correct products are delivered and that they are installed in accordance with the manufacturer's instructions in the accompanying documents. It must also be verified that the product is accompanied by a manufacturer's declaration that certifies that production has been carried out in accordance with the documents that formed the basis for this type approval.

The validity of the Swedish Type Approval also implies that the factory production control is carried out according to the current agreement and that the holder annually fulfils the requirement in "Boverket's regulations and general recommendations for type approval", BFS 2013:6, § 5 (TYP 7), on continuing internal control. The holder shall annually, at the latest on the 15th of December, report to Kiwa Certification AB at the e-mail address [se.annualreporting@kiwa.com](mailto:se.annualreporting@kiwa.com) about continuing surveillance.

**Associated documents**

Technical manual - Ballofix®, prepared by Broen A/S.

BROEN Installation instructions:

- Ballofix® ball valve with thread, version 2.0. Edition: B-BF-IUG-IM-2019-02-SVE.
- Ballofix® ball valve with compression fittings, Edition: IM-BBFBK01SE.
- Ballofix® ball valve with Press fittings, version 2.0. Edition: B-BF-PK-IM-2019-02-SVE.
- Ballofix® ball valve with Push fittings, version 2.0. Edition: B-BF-PUK-IM-2019-02-SVE.

**The assessment basis for the approval**

Test report No. 160200935/A11307-A-rev1 by Kiwa Nederland BV, 3000-17-027430 by Kiwa Teknologisk Institut as, EUFI29-21001936-T1 by Eurofins Expert Services Oy and 392-2017-00317101 by Eurofins Product Testing A/S.

Assessment report No. 030/2023, dated 26 Jan 2023 by Kiwa Certification AB.

**Comments**

- BROEN Ballofix® ball valves are tested and approved according to SS-EN 13828 and NKB Product Rule no. 13.


The Type approval is valid provided that the product shall neither be CE marked according to the Construction Product Regulation (EU) No 305/2011 (CPR), nor has it been suspended or withdrawn by Kiwa Certification AB.

Date of decision: 26 Feb 2023

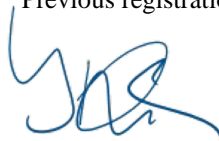
Registration number: 030/2023

Valid until: 25 Feb 2028

Previous registration number: 211/2018



**Magnus Jerlmark**



**Deo Yamabo**