



## SWEDISH TYPE APPROVAL 1804 WITH DECISION ON PRODUCTION CONTROL

### Holder: Fratelli Pettinaroli S.p.A.

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### Manually operated brass ball valves

#### Product description

Full-flow ball valves made of brass alloy. The products are designed with internal and/or external threads or press connection. Ball valves are available in the following dimensions: 10, 12, 15, 18, 22, 28, 35, 42 and 54 mm.

#### Intended use

Ball valves for copper pipes alt. steel pipes for the distribution of cold and hot tap water in buildings where the maximum permissible operating pressure does not exceed 1.0 MPa and where the water temperature does not momentarily exceed 95 ° C or continuously does not exceed 70 ° C.

#### Scope

Model name	Dimension
Ball valves made of dezincification-resistant:	
51CRFV	10 mm to 54 mm
51L	1/2" to 2"
P100, P100L, P100/0, P100/1, P102/1, P102T/1, 51CRFR, 51CRFW	15, 18, 22, 28, 35, 42, 54 mm
P100/3, P102, P102T, P102/0, P102T/0, P102/3 and P102T/3	15, 18, 22, 28 mm
52CRF	15, 18, 22, 28, 35 mm
P100M and P100LM	42 mm to 54 mm
Ball valves made of standard brass:	
51EU	10, 15, 20, 25, 32, 40, 50 mm
Angle ball valves made of standard brass:	
59/2, 59BLU, 59ROS, 59/1ROS, 59/9BLU and 59/9ROS	1/2" to 1"
59/1BLU	3/4" and 1"

#### 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 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
Design	6:625

#### 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:  
Product name, and relevant article number:  
Production site:  
Traceability to the production:  
Information about requirements or class, if relevant:  
The registered trademark of Boverket No 241 217:  
Certification Body:  
Accreditation number:  
Type Approval No:  
Inspection Body:

Fratelli Pettinaroli S.p.A  
Product name (article number)  
Applicable manufacturer or ID code  
(e.g. yyyy-mm-dd or batchnumber)  
Dimension (DN)  
✚  
Kiwa Certification AB   
1913  
1804  
Danish Technological Institute (DTI)

CERTIFIKAT

#### Kiwa Certification AB

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

**Production site(s):**

Fratelli Pettinaroli S.p.A, San Maurizio d' Opaglio (NO),Italy

**Control**

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

Inspection Body: **Danish Technological Institute (DTI)**

Inspection agreement: **No. 323 of 26 February 2015**

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**

Installation manual – Press ball valves, edition: 0086(D)

**The assessment basis for the approval**

Test Report No.: 2100839BRI from Kiwa Cermet Italia, KA 0140/18 and MO 041/18 from TZW, 392-2016-00390301 from Eurofins DK, PB2021000774 from Kiwa GmbH.

Assessment Report No. 259/2022, dated 17 June 2022 by Kiwa Certification AB.

**Comments**

- Ball valves are verified according to EN 13828 and NKB Product Rules 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: 20 June 2022

Registration number: 259/2022

Valid until: 19 June 2027

Previous registration number:



**Bengt-Olov Andin**



**Deo Yamabo**