

TA-Therm ZERO, Thermostatic circulation valve

Holder/Issued to

IMI Hydronic Engineering AB

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Product description

Thermostatic circulation valve, DN 15 and DN 20. The valve opens when the temperature of the domestic hot water upstream of the valve is lower than the set temperature and when the supply temperature exceeds the set temperature the valve closes. Temperature setting occurs steplessly. The valve also has a shutdown function.

The valve can be obtained with or without a thermometer or with a measurement. Valve is made of dezincification resistant brass alloy CuZn21Si3P.

Connection to pipe is made with internal thread G ½ or G ¾, can be supplemented with clamping ring TA-KOMBI (type approved according to certificate SC0841-15).

Intended use

Thermostatic circulation valve for automatic adjustment of hot water circulation in housing, maximum permissible operating pressure is 1,0 MPa.

Trade name

TA-Therm ZERO

Approval

The product satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR) and Boverket mandatory provisions on application of the European construction standards (Eurocodes), (EKS): both issued by the National Board of Housing, Building and Planning.

Tap water installations

6:62, 1st sentence and 2nd paragraph
and general recommendation

Hot water temperatures for personal hygiene
and household purposes

6:621

Design

6:625, 1st and 4th paragraph

Associated documents

Technical specifications, TA-Therm ZERO EN ed. 1, 2021.

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: no. 210-96-0743. Inspection body: RISE Research Institutes of Sweden AB.

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this approval is based.

Manufacturing place

Production control includes the following place:

IMI Hydronic Engineering AB, Ljung, Sweden.

Marking

The product is to be marked at the factory. The marking consists of a label/text on every product/packing supplied and includes:

Valves is marked with:

Approval holder	TA
Arrow for flow direction	→
Material	DR
Dimension	DN 15 resp. DN 20
Nominal pressure	PN 16

Packing is marked with:

Approval holder	TA
Boverket's registered trademark	†
Certification body and accreditation number	RISE Certifiering 1002
Product type designation	TA-Therm ZERO and productnumber
Approval number	SC1045-17
Dimension	DN15 resp. DN 20
Inspection body	RISE

Basis for assessment/approval

Report no.98E13157, 99E13280 and PX17386 from SP Technical Research Institute of Sweden.

Comments

Balancing valves are approved in accordance with the Nordic Product Rules No. 13 "Product Rules for shut-off valves", dated October, 1989.

This approval supersedes the previous approval with the same number dated 2017-07-12.

Validity

Valid through 2026-04-29.

The validity of this approval expires when the characteristics included in this approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence