

Declaration of Conformity

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Production:

Ball valve made of Polypropylene Random Copolymers (PP-R) intended to be used hot and cold drinking water pressure supply, radiator connections and for pressure industrial systems taking into account chemical resistance.

The performance requirements for piping systems conforming to ISO 15874 are specified for four application classes:

- Hot water supply 60°C (application class 1)
- Hot water supply 70°C (application class 2)
- Low temperature radiators (application class 4)
- High temperature radiators (application class 5)

Each class is related to a typical field of application and for a design period of 50 years. The classification is taken from ISO 10508. The fields of application are given as a guideline and are not obligatory.

Identification of the type of the construction product and Intended use:

PP-R BALL VALVE PN20

Material: PP-R type3 (Borealis RA130, Basell Hostalen H5416, Sabic Vestolen P9421)

Nominal diameter: 20 – 63mm

Application class and Operating pressure:

- class1 / 10bar,
- class2 / 8bar,
- class4 / 10bar,
- class5 / 6bar,
- for cold water 20°C / 20bar

The trade mark: GALLAPLAST®

Producer:

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Is in conformity with the following standards:

EVS-EN ISO 15874-1:2013 Plastics piping systems for hot and cold water installations - Polypropylene (PP)
Part 1: General;

EVS-EN ISO 15874-3:2013 Plastics piping systems for hot and cold water installations - Polypropylene (PP).
Part 3: Fittings;

EVS-EN ISO 3126:2013 Plastics piping systems - Plastics components - Determination of dimensions;

EVS-EN ISO 580:2005 Plastics piping and ducting systems - Injection-moulded thermoplastics fittings –
Methods for visually assessing the effects of heating;

EVS-EN ISO 8659:2020 Thermoplastics valves - Fatigue strength - Test method;

EVS-EN 917:1999 Plastics piping systems - Thermoplastics valves - Test methods for resistance to
internal pressure and leaktightness;

EVS-EN 1705:1999 Plastics piping systems - Thermoplastics valves - Test method for the integrity
of a valve after an external blow.

The product follows the provisions of the European Community directive no, 1935/2004, 2002/72/EC, 2004/1/EC and 2004/19/EC on the quality of drinking water.

With the present certificate GALLAPLAST OÜ confirms that the output production made of PP-R type3, meet the requirements listed by the European Union and fulfill the standard EN-ISO 15874 of the European Union.

Signed by:
Sergejs Musesovs
General Director



Tallinn, 03 December 2024.

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Declared Performance:

Pos.	Main characteristics	Operational properties	Evaluation methods
1	Dimensions	According to Appendix A, drawing A1 ÷ A6	EVS-EN ISO 3126:2013
2	Melt mass-flow rate MFR (230°C, 2,16kg) g/10min	The MFR in the product does not differ by more than 30% from the MFR value of the raw material.	EVS -EN ISO 1133-1:2022
3	Changes due to heating (applies to ball valve bodies)	No changes in the form of blisters, cracks or delamination	EVS -EN ISO 580:2005 p. 3.2.1
4	Resistance to internal pressure	without damage or leaks	EVS -EN ISO 1167-1,2:2006 test conditions: -time 1 hour, temperature 20°C, stress in the fitting wall 15 MPa -time 1000 h, temperature 95°C, stress in the fitting wall 3.5 MPa
5	Fatigue resistance	without damage	EVS -EN ISO 8659:2020
6	Tightness of the housing and saddles	without damage or leaks	EVS-EN 917:1999
7	Resistance to external influences	without damage	EVS-EN 1705:1999 test conditions: 2,5kg, 90mm

Signed by:
Sergejs Musesovs
General Director



Tallinn, 03 December 2024.