



**European Union Recognized Organization (EU RO)
MUTUAL RECOGNITION TYPE APPROVAL CERTIFICATE**

in accordance with Article 10.1 of EU Regulation 391/2009

Manufacturer **AMOT, a division of Roper Industries Ltd. (VAT No. GB571088435)**

Address **Western Way, Bury St. Edmunds, Suffolk, IP33 3SZ, UK**

Product*
Thermostatic Control Valves Model "B"

Code of nomenclature **08030200**

This is to certify to the above named Manufacturer, that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements and below mentioned Rules/Standards The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

EU RO technical requirements for Valves for Freshwater Systems (Version 0.1), Valves for Lubricating Oil & Hydraulic Oil Systems (Version 0.1)

This Type Approval Certificate is valid until **20.07.2026**

This Type Approval Certificate becomes invalid in cases stipulated in European Union Recognized Organization Mutual Recognition Procedure.

Place of issue **Bury St. Edmunds, UK** Date of issue **20.07.2026** No. **21.00152.278**

Russian Maritime Register of Shipping

L.S.

(signature)

V. Burenkov

(name)

* Additional information see overleaf.

Technical data

Body Material:	Bronze, Cast Iron, Ductile Iron, Steel, Stainless steel, Aluminium
System:	cooling freshwater lubricating oil
Temperature setting:	from 13° C up to 116° C from 13° C up to 60° C
Working pressure:	from 0.6 MPa up to 1.6 MPa from 0.6 MPa up to 0.7 MPa
Sizes (nominal bore):	40, 50, 65, 80, 100 mm

Design Evaluation Certificate No. 21.00150.278 of 20.07.2026

issued by **RS** which is EU RO and meets Article 10 of Regulation (EC) No. 391/2009 of the European Parliament.

Production quality assurance assessment has been carried out by Russian Maritime Register of Shipping.

Report No. 21.00151.278 of 20.07.2026

Application and Limitations

For valves dedicated to freshwater systems of Class III with design pressure up to 1.6 MPa, design pressure up to 200° C and diameter up to 100mm.

For valves dedicated to lubrication oil and hydraulic systems of Class III with design pressure up to 0.7 MPa, design pressure up to 60° C and diameter up to 100mm.

*Not applicable for valves intended to be fitted on the ship's side and valves intended to be fitted on the ship's collision bulkheads
Aluminium valves are not permitted for use in boiler or machinery spaces or in spaces containing fuel oil tanks or pumping units.*

Test reports with identification and date

Shop Floor Report No. B96427 for valve 4BOCB18501-D4-AA dated 10.06.2021 and No. B98549 for valve 3BOCF11001-00-AA dated 20.07.2021.

Manufacturer's documentation/identification number for product or series with date

Model B Valve Installation, Operation & Maintenance Manual No. OMMB00301 rev. 1 dated 11.2019; Test Procedure No. ATP 185 rev.11 dated 18.05.2021; Drawings Nos.: B/SK2595/2 iss. 3 dated 25.04.2001, B/SK2494/12 Iss. 4 dated 05.08.1998, B/SK3190/1 Iss. 1 dated 15.04.2000, B/SK2494/11 Iss. 3 dated 23.10.2001, B/SK2494/14 Iss. 2 dated 26.04.2001, B/SK3382/3 Iss. 1 dated 27.04.2007, B/SK3167/2 Iss. 1 dated 28.01.2004, B/SK3229 Iss. 5 dated 25.04.2014.

The product shall be delivered with a copy of this Type Approval Certificate



APPENDIX I

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

American Bureau of Shipping (ABS);
Bureau Veritas (BV);
China Classification Society (CCS);
Croatian Register of Shipping (CRS);
DNV;
Indian Register of Shipping (IRS);
Korean Register (KR);
Lloyd's Register Group Ltd. (LR);
Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);
Polish Register of Shipping (PRS);
RINA Services S.p.A. (RINA);
Russian Maritime Register of Shipping (RS).

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

Notes:

- 1) Refer to the agreed MR Technical Requirements for additional MR TAC information that may be specifically applicable to certain products - <https://www.euromr.org/technical-requirements>;
- 2) List of MR TACs issued by the EU ROs can be found by <https://www.euromr.org/links-to-mrcertificates>.
- 3) As per clause 9 of the Terms & Conditions for Mutual Recognition of Type Approval, the manufacturer will be required to agree that it will fulfil the obligations arising out of its quality assurance scheme as approved during production. The manufacturer certifies it has kept the accredited certification body and the EU RO that issued the MR TAC duly informed of any intended design changes or updating of the production quality assurance scheme for its consideration with regard to the validity of the MR TAC. The manufacturer will apply annually for periodical assessment by the EU RO to show that the production under the MR TAC and the quality assurance scheme are being satisfactory maintained;
- 4) The manufacturer should notify the RO issued the EU RO MR Certificate of any modification or changes to the equipment/ Firmware/ Operational System Software Version in order to obtain a valid Certificate.
- 5) MR TACs are valid for a maximum of 5 years as per clause 10 of the Terms & Conditions for Mutual Recognition of Type Approval;
- 6) For more information on the factors affecting the validity of MR TACs, see clause 11, 12 and 13 of the Terms & Conditions of Mutual Recognition of Type Approval.
- 7) For implementation of the amendments to Appendix I of Version 10.0 of the Framework Document by the EU ROs into their internal procedures and MR TAC templates, an application period of 6 months as from 1 July 2019 applies.

-END OF CERTIFICATE-