



SLOVENSKI STANDARD

oSIST prEN 18208:2025

01-september-2025

Enofazni toplotni izmenjevalniki tekočina-tekočina - Preskusni postopek za določanje zmogljivosti

Liquid-to-liquid single-phase heat exchangers - Test procedure for determining performance

Einphasen-flüssig/flüssig Wärmetauscher - Prüfverfahren zur Bestimmung der Leistungskriterien

Echangeurs monophasiques liquide/liquide - Procédure d'essai pour la détermination de la performance

Ta slovenski standard je istoveten z: prEN 18208

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ICS:

27.060.30	Grelniki vode in prenosniki toplote	Boilers and heat exchangers
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oSIST prEN 18208:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 18208

July 2025

ICS 27.060.30

English Version

Liquid-to-liquid single-phase heat exchangers - Test procedure for determining performance

Echangeurs monophasiques liquide/liquide -
Procédure d'essai pour la détermination de la
performance

Einphasen-flüssig/flüssig Wärmetauscher -
Prüfverfahren zur Bestimmung der Leistungskriterien

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 110.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Contents

Page

European foreword	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	5
4 Symbols and abbreviations	8
5 Performance of liquid-to-liquid heat exchangers	10
5.1 Typical quantities	10
5.1.1 Derived quantities	10
5.1.2 Rated conditions	10
5.2 Hydraulic performance	12
5.3 Thermal performance	12
5.3.1 Energy balance.....	12
5.3.2 Heat transfer rate	14
5.3.3 Heat transfer coefficients.....	14
5.3.4 Heat transfer surface	14
5.3.5 Analytical calculation methods.....	15
6 Test principle	21
6.1 Test procedures.....	21
6.1.1 Test bench acceptance criteria	21
6.1.2 Test acceptance criteria	23
6.1.3 Test conditions	25
6.2 Measurements and instrumentation	26
6.2.1 General.....	26
6.2.2 Measurements.....	26
6.2.3 Acceptable amplitude of fluctuations.....	27
6.2.4 Overall uncertainties.....	27
6.2.5 Liquid quality	29
6.3 Test analysis	29
6.3.1 General.....	29
6.3.2 Transposition of new/replacement heat exchanger test results to reference conditions.....	30
6.3.3 Transposition of tests results from heat exchangers already in use under reference conditions	31
6.4 Test report.....	33
Annex A (informative) Calculation of thermal performance uncertainty <i>k.A.F.</i> according to LMTD method.....	34
Annex B (informative) Test report template	35
Annex C (informative) Example of test.....	37
Bibliography	44

European foreword

This document (prEN 18208:2025) has been prepared by Technical Committee CEN/TC 110 “Heat exchangers”, the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

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Introduction

This document is designed to support a series of European standards dedicated to heat exchangers.

This document provides manufacturers and users with the information needed to present the thermohydraulic performance characteristics of a heat exchanger. These characteristics form the basis for evaluating the state of a heat exchanger, whether it is new/a replacement, or already in operation.

This document also provides a performance-based acceptance test procedure for a liquid-to-liquid single-phase heat exchanger (sensor calibration, acknowledgement of uncertainties, standardization of physical properties of liquids) and the possible transpositions under various rated conditions.

The customer's technical specification, referred to in this document, defines or adapts the level of tolerance. It also defines thermal performance acceptance criteria. Examples are provided in Annex C.

Underlying assumption of this document is that the liquid is a Newtonian fluid in turbulent conditions. This document may be adapted for other liquids or conditions, as agreed by parties involved in the performance test.

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