SLOVENSKI STANDARD
SIST ISO 385-2:1995

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Laboratorijska steklovina - Birete - 2. del: Birete brez določenega čakalnega časa

Laboratory glassware -- Burettes -- Part 2: Burettes for which no waiting time is specified

Verrerie de laboratoire -- Burettes -- Partie 2: Burettes sans temps d'attente

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Ta slovenski standard je istoveten z: **ISO 385-2:1984**

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ICS:

17.060	Merjenje prostornine, mase, gostote, viskoznosti	Measurement of volume, mass, density, viscosity
71.040.20	Laboratorijska posoda in aparati	Laboratory ware and related apparatus

SIST ISO 385-2:1995 **en**

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International Standard 385/2

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Laboratory glassware — Burettes — Part 2 : Burettes for which no waiting time is specified

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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International Standard ISO 385/2 was prepared by Technical Committee ISO/TC 48, *Laboratory glassware and related apparatus.*

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It cancels and replaces ISO Recommendation R 385-1964, of which it constitutes a technical revision.

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SIST ISO 385-2:1995

Laboratory glassware — Burettes — Part 2 : Burettes for which no waiting time is specified

1 Scope and field of application

This part of ISO 385 specifies requirements for an internationally acceptable series of burettes, for which no waiting time is specified (type I burettes), and which are adequate for general laboratory purposes. They are adjusted to class A or class B accuracy.

The requirements are in conformity with ISO 384 and ISO 385/1.

NOTE — General requirements for burettes are specified in ISO 385/1.

Particular requirements for burettes, for which a waiting time of 30 s is to be observed, are specified in ISO 385/3.

2 References

ISO 384, *Laboratory glassware — Principles of design and construction of volumetric glassware.*

ISO 385/1, *Laboratory glassware — Burettes — Part 1 : General requirements.*

ISO 385/3, *Laboratory glassware — Burettes — Part 3 : Burettes for which a waiting time of* 30 s *is specified.*

ISO 4787, *Laboratory glassware — Volumetric glassware — Methods for use and testing of capacity.*

3 Requirements

3.1 Unless otherwise stated in this part of ISO 385, the burettes shall conform to the general requirements of ISO 385/1.

3.2 The capacity corresponding to any graduation line is defined as the volume, in millilitres or cubic centimetres, of water delivered by the burette at 20 °C when emptied from the zero line to that graduation line, the outflow being unrestricted until approaching the final setting of the meniscus on the graduation line, no period being required for drainage of liquid adhering to the wall before making the final setting.

NOTE — Where, exceptionally, the standard reference temperature is 27 °C, this value should be substituted for 20 °C.

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4 Test method

The burette shall meet the requirements for limits of volumetric error laid down in ISO 385/1 when tested, using pure water and following the method described in the annex, in accordance with the procedure laid down in ISO 4787.

5 Delivery times

The delivery times for type I burettes shall be as specified in the table.

Table — Delivery times

Nominal capacity ml	Smallest scale division ml	Delivery time Class A min. s	Delivery time Class A max. s	Delivery time Class B min. s	Delivery time Class B max. s
1	0,01	35	45	20	45
2	0,01	50	70	25	70
5	0,02	75	95	40	95
10	0,02	75	95	40	95
10	0,05	75	95	45	75
25	0,05	70	100	35	100
25	0,1	45	75	25	75
50	0,1	60	100	30	100
100	0,2	60	100	30	100

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Annex
Test method and method of use

A.1 Fill the burette to a few millimetres above the zero line with the liquid to be measured and set the falling meniscus to the line.

Remove any drop adhering to the jet by bringing a glass vessel into contact with the jet.

A.2 Do not bring the jet into contact with the wall of the receiving vessel during the delivery period.

A.3 Add any drop adhering to the jet after the delivery has finished to the delivered volume by bringing the inside of the receiving vessel into contact with the jet.

A.4 Take the reading directly after the stopcock has been closed.

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