



KAVALIER

PRODUCT DATA SHEET

Issuer's name/ producer:
Issuer's address/Producer:

KAVALIERRGLASS, a.s.
Křížová 1018/6, Prague 5
office: Sklářská 359, 285 06 Sázava, Czech Republic

Object of the declaration:

DESICCATOR, with NZ 24/29 and valve

Product IDN & Description

Catalog No.

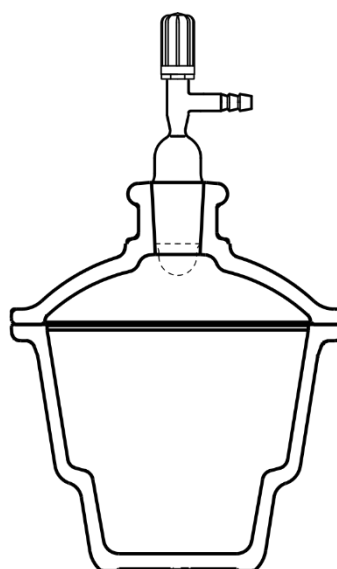
Nominal size [mm]

280T

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1632415280154
1632415280204
1632415280254
1632415280304

100
150
200
250
300

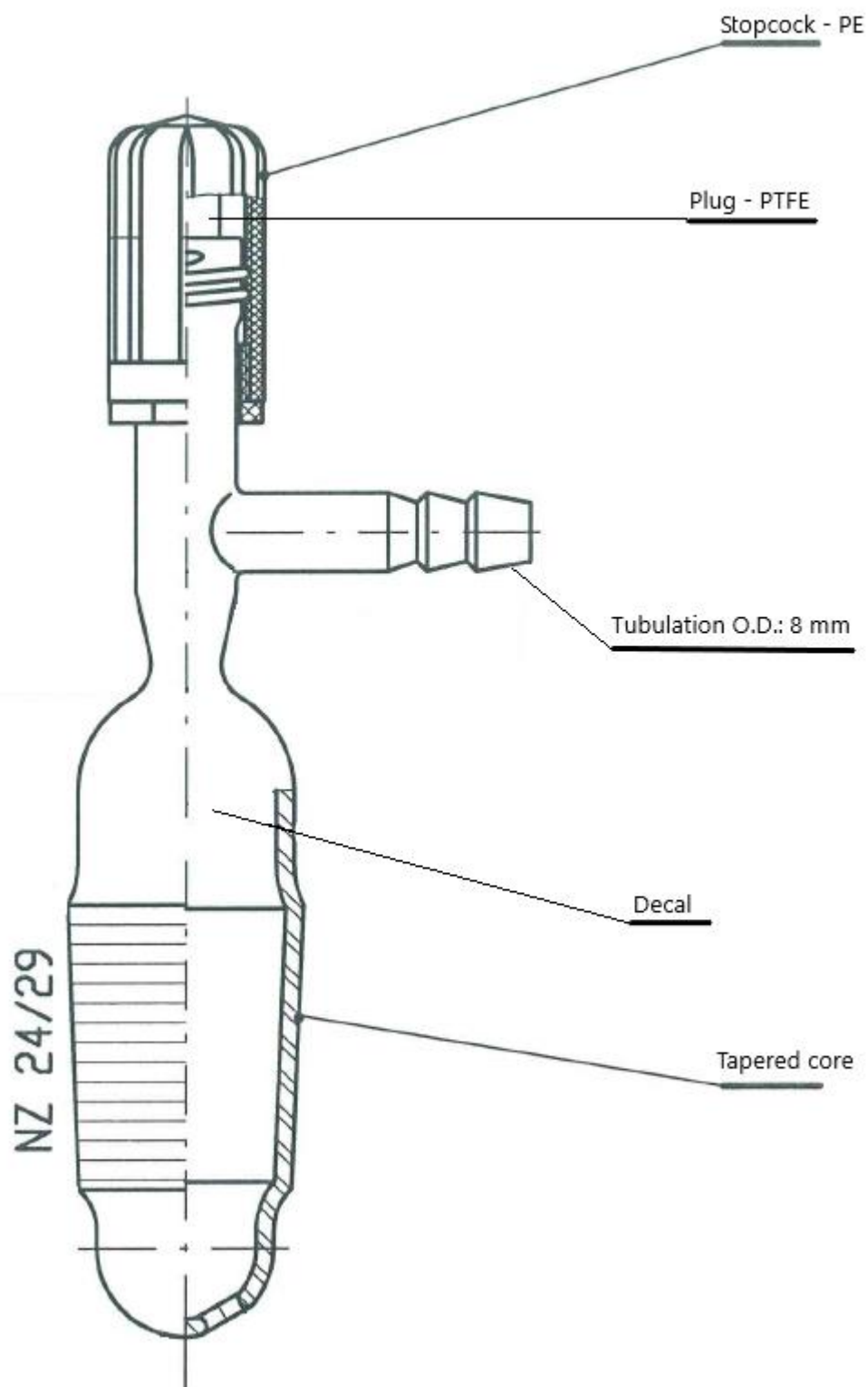
Scheme of the glass item



Material specification:

Cover, bowl	clear	Borosilicate glass SIMAX®
Tubulation O.D.		
Stopcock	blue	PE
Plug	white	PTFE
Decal NZ 24/29	green – PANTONE 349C	in fired-on, chemically resistant ceramic decal
Purpose of use	laboratory glassware enables usage of vacuum processes desiccation of moist substances, storage of materials sensitive to air humidity	

**Detailed scheme of the NZ 24/29 standard taper external sleeves,
with tooled hose connections**





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DECLARATION OF COMPLIANCE

Issuer's name: **KAVALIERGLASS, a.s.**
Issuer's address: **Křížová 1018/6, Prague 5**
office: Sklářská 359, 285 06 Sázava, Czech Republic

Object of the declaration: **Desiccator**

Material: **Borosilicate glass SIMAX®, glass with high thermal and chemical resistance**
Country of origin: **Czech Republic**
Purpose of use: **Laboratory glassware**
For desiccation of moist substances, or for storage of materials sensitive to air humidity
Enables usage of vacuum processes

Desiccators have a rugged 24/29 Standard Taper external sleeves with tooled hose connections, that serve as the stopcock. It is designed so that its manipulation is not affected by the vacuum. To introduce vacuum into the desiccator, loosen the stopcock to disengage the PTFE plug from contact with the glass. A half turn from this position closes the desiccator. This design eliminates the need for grease. The tubulation O.D. is approximately 8 mm. Rim in lower portion of jar holds sample plate over desiccant

Warning: Do not heat or subject to pressure. Rated 1- atmosphere vacuum.

The object of the certificate described above is in conformity with the requirements of the following standards and regulations:

Glass characteristics:

- ISO 3585 Borosilicate glass 3.3 – Properties
 - Chemical durability (art. 4.1, 4.2, 4.3, 4.4)
 - Physical properties (art. 5.1, 5.2, 5.3, 5.4, 5.5, 5.6)
- ISO 13130 Laboratory glassware – Desiccators
 - Type 1 Vacuum desiccator

Compressive strength

Vacuum desiccators shall withstand an external pressure of 2bar/ 60 sec or an external pressure of 3bar/ 10 sec.

Thermal shock resistance

Vacuum desiccator must be subject to a test of 80 °C in acc. to ISO 718.

No heavy metals (lead, cadmium, mercury and hexavalent chromium):

- **Regulation (EC) No. 987/2008 of 8 October 2008 amending Regulation (EC) No. 1907/2006 – REACH as regards Annexes IV and V – glass was exempted from the obligation to register.**

Chemical characteristics (acc. to Regulation No 1907/2006/EC):

Composition:	CAS No.	EINECS No.	Component:	Concentration /Percent:
	65997-17-3	266-046-0	Glass, oxide, chemicals	100%

Characteristics of Borosilicate glass SIMAX®:

- **Acid resistance** Class I. (to ISO 1776)
- **Hydrolytic resistance** Class I. (HGB1 to ISO 719; HGA1 to ISO 720)
- **Alkali resistance** Class II. (to ISO 695)
- **Coefficient of mean linear thermal expansion α : $3,3 \times 10^{-6} \text{ K}^{-1}$** (to ISO 7991; 20/300 °C)

Additional information:

The producer confirms hereby that the characteristics, measures and accuracy of the products listed above are in full conformity with the provisions of the standard.

The producer also declares that the products are safe when used in usual and proper way.

The producer has installed the Quality Assurance System according to ISO 9001 and thus guarantees that all products delivered to the market are in full conformity with the technical documentation and with all fundamental requirements to such products.
Certificate No. 04 100 940602 issued by TÜV CERT, Certification Body at TÜV NORD CERT GmbH.

The certificate is issued for the customer: -

Sázava, 29. 01. 2021
Place and date of issue

Ing. Kristýna Machová
Project Quality Engineer

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