



06

DESICCATORS



DESICCATORS

DURAN® desiccators are used for drying moist substances or as storage vessels for moisture-sensitive products. To accelerate the drying process, the desiccators can be used under vacuum. Due to the high wall-thickness of the vessels and the exact machining of the vacuum-tight ground joints on the lid and base, storage under vacuum is possible – even over extremely long periods.

All individual parts and a wide range of accessories such as lids, stopcocks, bases, etc. are compatible and can be interchanged as required. Always ensure the individual parts have the same DN (nominal diameter).

For desiccators, the DN is based on the diameter of the sieve plate; this can be measured directly. For lids, measure the outside diameter of the flange and cross-reference with the tables on the product pages.

Usage tips:

- Designed for use under absolute vacuum.
- Due to the high wall thickness and the reduced thermal shock resistance under pressure loading, the desiccators must not be heated on one side only or heated using a naked flame.
- Before evacuation, it is recommended that the glass surfaces of the desiccator be checked for damage such as scratches, cracks or nicks. Damaged desiccators must not be used for safety reasons.
- Never expose desiccators to abrupt pressure changes (do not suddenly ventilate evacuated vessels).



Vacuum-tight, made from DURAN® borosilicate glass 3.3. To accelerate drying, a vacuum can be applied via the stopcock. Spare parts such as lids, bases, stopcocks and caps can be interchanged (observe DN).

Typical applications: drying of moist samples and storage of moisture-sensitive substances.

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	Tubulature (NS)	Volume approx. (mL)	Pack Unit
with porcelain plate							
247825752	150	172	215 ± 2	239	24/29	2 400	1
247826157	200	224	270 ± 2	296	24/29	5 800	1
247826654	250	274	320 ± 2	344	24/29	10 500	1
247826954	300	332	380 ± 2	420	24/29	18 500	1
without porcelain plate							
247824604	100	119	153 ± 2	174	24/29	700	1
247825703	150	172	215 ± 2	239	24/29	2 400	1
247826108	200	224	270 ± 2	296	24/29	5 800	1
247826605	250	274	320 ± 2	344	24/29	10 500	1
247826905	300	332	380 ± 2	420	24/29	18 500	1

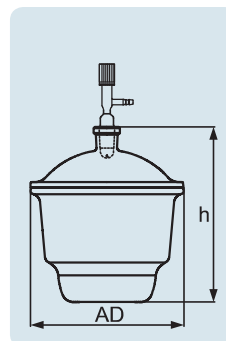
DURAN® desiccators completed with a porcelain plate and a vacuum connection. Porcelain plate and the lid diameter correspond to the diameter of the base and vacuum connection remains air tight.

Typical applications: drying of moist samples and storage of moisture-sensitive substances.

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	Thread	h (mm)	Volume approx. (mL)	Pack Unit
with porcelain plate							
247835753	150	172	215 ± 2	32	239	2 400	1
247836158	200	224	270 ± 2	32	296	5 800	1
247836655	250	274	320 ± 2	32	344	10 500	1
247836955	300	332	380 ± 2	32	420	18 500	1
without porcelain plate							
247855706	150	172	215 ± 2	32	239	2 400	1
247856102	200	224	270 ± 2	32	296	5 800	1
247856608	250	274	320 ± 2	32	344	10 500	1
247856908	300	332	380 ± 2	32	420	18 500	1

DURAN® Vacuum Desiccator

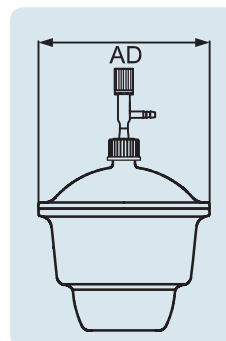
with NOVUS standard ground joint (NS 24/29) junction tube in the lid, stopcock, and flat flange



DIN ISO
13130

DURAN® Vacuum Dessicator Set

with threaded outlet, type MOBILEX (GL 32), stopcock with PTFE spindle

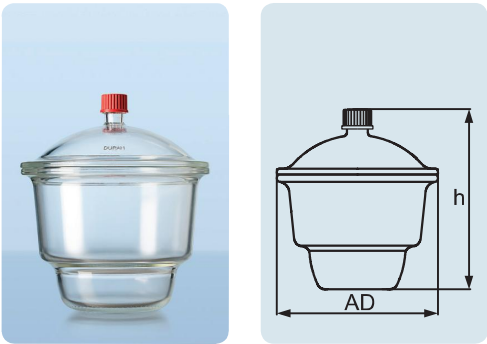


DIN ISO
13130

USP
Standard

DURAN® Vacuum Desiccator

with screw thread outlet, type MOBILEX (GL 32), with screw cap from PBT



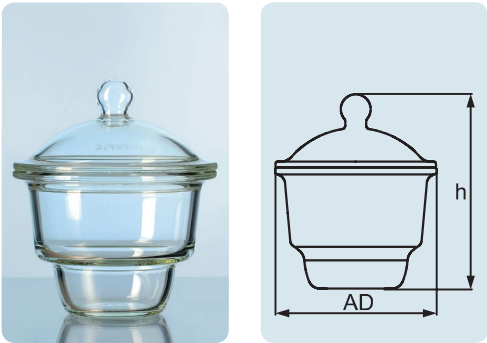
DURAN® desiccators completed with a desiccator lid and a screw cap.

Typical applications: drying of moist samples and storage of moisture-sensitive substances.

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	Thread	h (mm)	Volume approx. (mL)	Pack Unit
without porcelain plate							
247865707	150	172	215 ± 2	32	239	2 400	1
247866103	200	224	270 ± 2	32	296	5 800	1
247866609	250	274	320 ± 2	32	344	10 500	1
247866909	300	332	380 ± 2	32	420	18 500	1

DURAN® Desiccator

with flat flange, and knobbed lid, no connection



Made from DURAN® borosilicate glass 3.3. Components are vacuum tight. Spare parts such as lids and bases can be interchanged (observe DN).

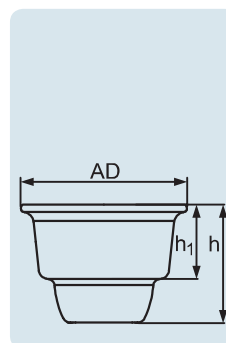
Typical applications: drying of moist products and storage of moisture-sensitive substances.

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	Volume approx. (mL)	Pack Unit
247814603	100	119	153 ± 2	187	700	1
247815702	150	172	215 ± 2	252	2 400	1
247816107	200	224	270 ± 2	309	5 800	1
247816604	250	274	320 ± 2	357	10 500	1
247816904	300	332	380 ± 2	433	18 500	1

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	h ₁ (mm)	Volume approx. (mL)	Pack Unit
247704604	100	119	153 ± 2	112	58	700	1
247705703	150	172	215 ± 2	154	81	2 400	1
247706108	200	224	270 ± 2	202	115	5 800	1
247706605	250	274	320 ± 2	235	120	10 500	1
247706905	300	332	332 ± 2	283	150	18 500	1

DURAN® Desiccator Base

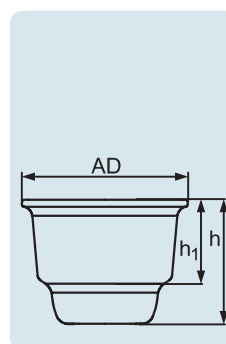
with flat flange, no outlet, suitable for all types of lids



Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	h ₁ (mm)	Volume approx. (mL)	Pack Unit
247736102	200	224	270 ± 2	202	115	5 800	1

DURAN® Desiccator Base

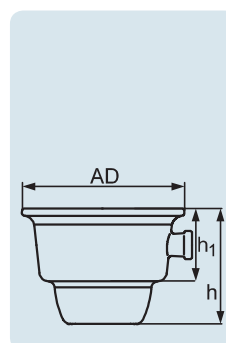
with ring-grooved flange, suitable for all types of lids



Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	h ₁ (mm)	Volume approx. (mL)	Pack Unit
247714605	100	119	153 ± 2	112	58	700	1
247715704	150	172	215 ± 2	154	81	2 400	1
247716109	200	224	270 ± 2	202	118	5 800	1
247716606	250	274	320 ± 2	235	122	10 500	1
247716906	300	332	380 ± 2	283	154	18 500	1

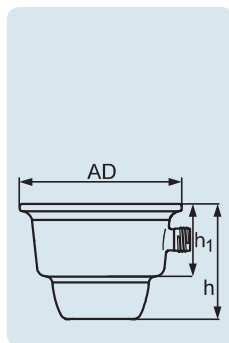
DURAN® Desiccator Base

with flat flange, standard ground outlet (24/29), type NOVUS, suitable for all types of lids



DURAN® Desiccator Base

with flat flange, screw thread outlet, type MOBILEX (GL 32), suitable for all types of lids

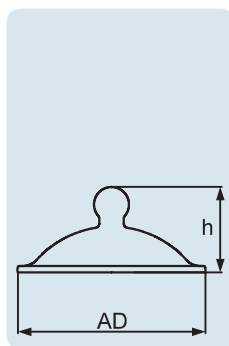


DIN ISO
13130

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	h ₁ (mm)	Volume approx. (mL)	Pack Unit
247725705	150	172	215 ± 2	154	81	2 400	1
247726101	200	224	270 ± 2	202	118	5 800	1
247726607	250	274	320 ± 2	235	122	10 500	1
247726907	300	332	380 ± 2	283	154	18 500	1

DURAN® Desiccator Lid

with knob, suitable for all types of bases

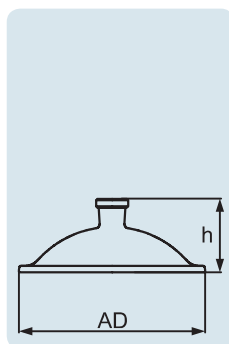


DIN ISO
13130

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	Pack Unit
244104607	100	119	153 ± 2	75	1
244105706	150	172	215 ± 2	98	1
244106102	200	224	270 ± 2	107	1
244106608	250	274	320 ± 2	122	1
244106908	300	332	380 ± 2	150	1

DURAN® Desiccator Lid

with special tube (NS 24/29 type WERTEX), with ring grooved flange, suitable for all types of bases

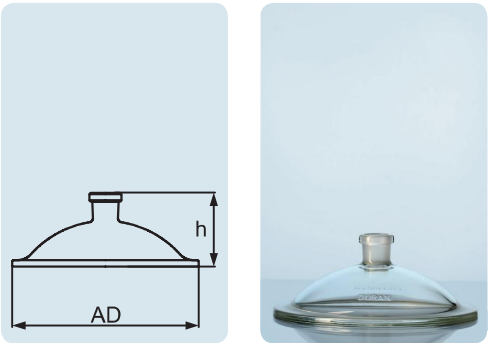


Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	Neck	Pack Unit
244305702	150	172	215 ± 2	85	24/29	1
244306604	250	274	320 ± 2	109	24/29	1

Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	h (mm)	Neck	Pack Unit
244204605	100	119	153 ± 2	62	24/29	1
244205704	150	172	215 ± 2	85	24/29	1
244206109	200	224	270 ± 2	94	24/29	1
244206606	250	274	320 ± 2	109	24/29	1
244206906	300	332	380 ± 2	137	24/29	1

DURAN® Desiccator Lid

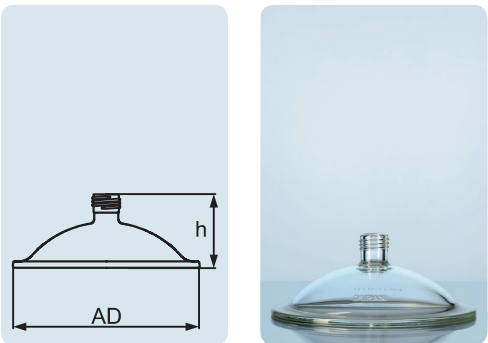
for standard ground joint stopcocks (NS 24/29), type NOVUS, suitable for all types of bases



Cat. No.	DN	ID Flange (mm)	Outer diameter (AD) Flange (mm)	DIN Thread (GL)	h (mm)	Pack Unit
244405709	150	172	215 ± 2	32	85	1
244406105	200	224	270 ± 2	32	94	1
244406602	250	274	320 ± 2	32	109	1
244406902	300	332	380 ± 2	32	137	1

DURAN® Desiccator Lid

with threaded outlet, type MOBILEX (GL 32), suitable for all bases

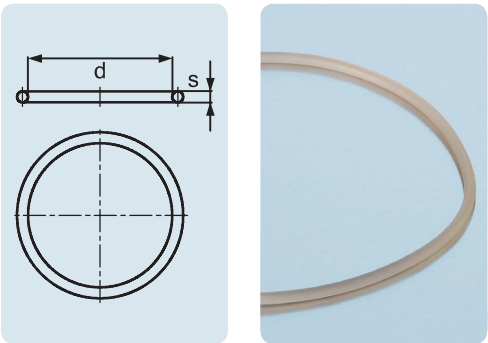


Ordering advice: the O-ring is dimensioned according to the nominal diameter (DN)

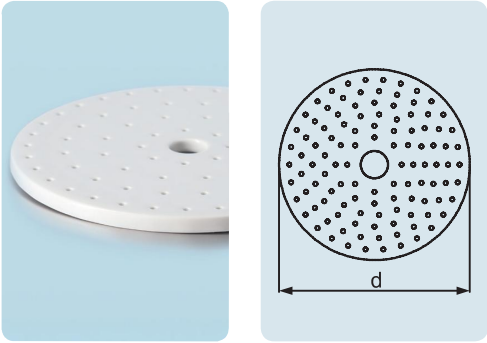
Cat. No.	DN	d (OD) (mm)	s (mm)	Pack Unit
for articles since 1996				
292156108	200	236	5.3	1

O-Ring

suitable only for desiccator Base with ring-grooved flange, from silicone (VMQ)



Porcelain Desiccator Plate

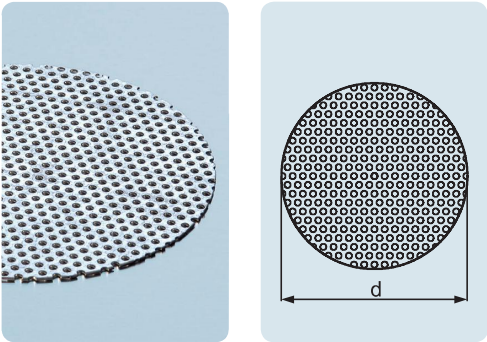


DIN
12911

Cat. No.	DN	d (OD) (mm)	Pack Unit
Porcelain			
297254608	100	90	1
297255707	150	140	1
297256103	200	190	1
297256609	250	235	1
297256909	300	280	1

Stainless Steel Desiccator Plate

Material: 1.4301, Type 304, rust-free

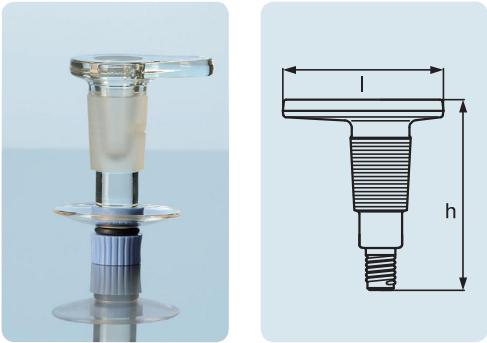


DIN EN
10143

Cat. No.	DN	d (OD) (mm)	Pack Unit
Stainless Steel			
290804606	100	90	1
290805705	150	140	1
290806101	200	190	1
290806607	250	235	1
290806907	300	285	1

Safety Stopcock NS 24/29

for safety outlets type Wertex

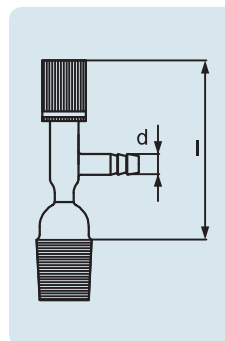


Cat. No.	h (mm)	l (mm)	Pack Unit
247960304	76	70	1

Cat. No.	d (OD) (mm)	l (mm)	Neck	Pack Unit
247980306	8	85	24/29	1

DURAN® Stopcock with PTFE Spindle

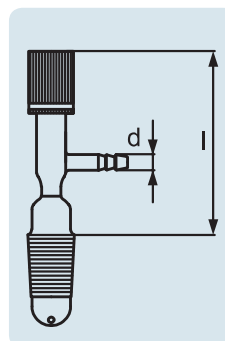
for desiccator base side outlets,
type NOVUS (NS 24/29)



Cat. No.	d (OD) (mm)	l (mm)	Neck	Pack Unit
247990401	8	85	24/29	1

DURAN® Stopcock with PTFE Spindle

for desiccator lid outlets, type NOVUS
(NS 24/29)



Cat. No.	d (OD) (mm)	l (mm)	Pack Unit
247970305	8	160	1

DURAN® Stopcock with PTFE Spindle

for threaded outlets, type MOBILEX (GL 32)

