

04

INTERCHANGEABLE
GLASSWARE



INTERCHANGEABLE GLASSWARE

DURAN® interchangeable glassware is indispensable for laboratory work. DWK Life Sciences offers a wide range of bottles and flasks with standard ground necks, vessels with flat flanges, condensers and stirrer shafts.

The DURAN® flat flange reaction vessels are valued for their universal suitability for use in the laboratories of a wide range of specialisations.

Whether reaction, distillation, evaporation or desiccation, DURAN® offers a wide range of unfinished and finished parts which always provide the optimum solution for the particular application. Due to the pure glass-to-glass connections, reactions with highly corrosive or highly chemically reactive substances can be carried out without problems.

The vessels are notable due to a robust glass flange design with an optimum external flange angle of 45°. Due to the precisely ground joint, the vessels can be closed tightly when using a sealing ring.

Matching stainless-steel quick release clamps, with three retaining clips, ensure easy and safe handling.

All individual parts and a wide range of accessories such as lids, seals, quick-release clamps etc. are compatible and can be interchanged as required. Vessels and lids can be matched using their DN (nominal diameter) number.

Usage tips:

- All components are suitable for use under full vacuum and approved for operating over-pressures (see product related pages).
- Before use, it is recommended that the glass surfaces of the vessels be checked for damage such as scratches, cracks or nicks.
- Damaged glass vessels should not be used for safety reasons.
- Due to the high wall thickness and reduced thermal shock resistance under pressure loading, the flat flange vessels should be heated uniformly and gradually.

04



> Find your nearest **distributor** on our global network:
www.DWK-LifeSciences.com/DURAN/distributors

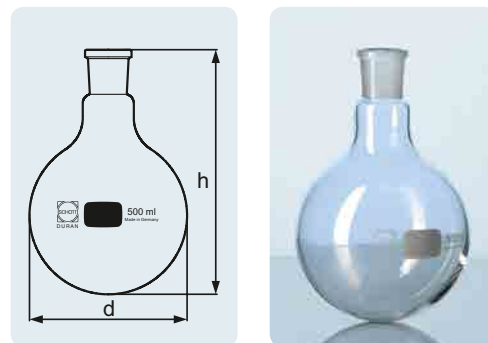
Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Closable with glass and plastic stopper. Combinable with other standard ground joint articles.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
24 170 13 07	25	41	85	14/23		10
24 170 14 01	25	41	85	19/26	Non-DIN ISO size.	10
24 170 20 03	50	51	90	14/23		10
24 170 17 01	50	51	90	19/26		10
24 170 18 04	50	51	105	24/29	Non-DIN ISO size.	10
24 170 19 07	50	51	105	29/32	Non-DIN ISO size.	10
24 170 25 09	100	64	105	14/23		10
24 170 24 06	100	64	105	19/26		10
24 170 26 03	100	64	105	24/29		10
24 170 27 06	100	64	105	29/32		10
24 170 36 08	250	85	140	24/29		10
24 170 37 02	250	85	140	29/32		10
24 170 44 07	500	105	163	24/29		10
24 170 46 04	500	105	163	29/32		10
24 170 47 07	500	105	163	45/40	Non-DIN ISO size.	10
24 170 54 03	1000	131	200	24/29		10
24 170 56 09	1000	131	200	29/32		10
24 170 57 03	1000	131	200	45/40	Non-DIN ISO size.	10
24 170 63 05	2000	166	240	29/32		10
24 170 64 08	2000	166	240	45/40	Non-DIN ISO size.	10
24 170 72 07	4000	207	290	45/40		1

DURAN® Round Bottom Flask

with standard ground joint

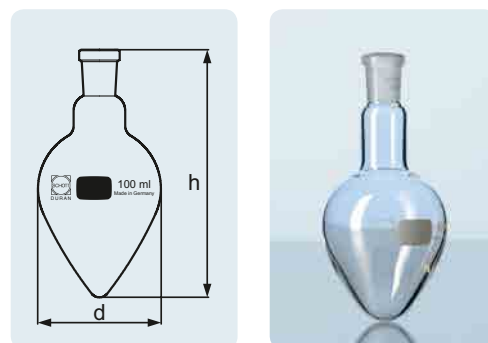


The conical geometry makes them ideal for small-scale reactions.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Pack Unit
24 195 08 09	10	30	75	14/23	10
24 195 14 02	25	40	90	14/23	10
24 195 20 04	50	50	110	14/23	10
24 195 25 01	100	62	125	14/23	10

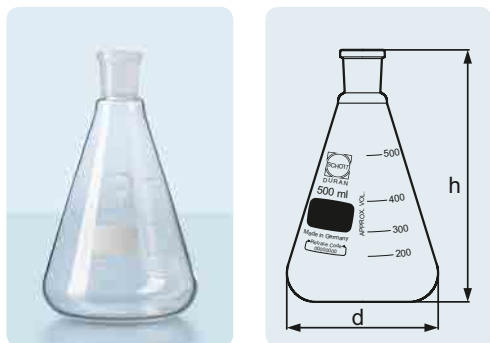
DURAN® Pear Shape Flask

with standard ground joint



DURAN® Erlenmeyer Flask

with standard ground joint



With easy-to-read scale and large labelling field for easy marking. The conical shape makes these flasks ideal for mixing liquids and, due to the even wall thickness, also suitable for use as heating glassware.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
24 193 13 06	25	42	75	14/23		10
24 193 20 02	50	51	85	14/23		10
24 193 17 09	50	51	85	19/26		10
24 193 18 03	50	51	85	24/29	Non-DIN ISO size.	10
24 193 19 06	50	51	85	29/32		10
24 193 24 05	100	64	105	19/26		10
24 193 26 02	100	64	105	24/29	Non-DIN ISO size.	10
24 193 27 05	100	64	105	29/32		10
24 193 32 04	200	79	131	29/32	Non-DIN ISO size.	10
24 193 36 07	250	85	140	24/29		10
24 193 37 01	250	85	140	29/32		10
24 193 38 04	250	85	140	45/40	Non-DIN ISO size.	10
24 193 39 07	300	87	155	29/32	Non-DIN ISO size.	10
24 193 44 06	500	105	175	24/29		10
24 193 46 03	500	105	175	29/32		10
24 193 47 06	500	105	175	45/40	Non-DIN ISO size.	10
24 193 54 02	1 000	131	220	24/29		10
24 193 56 08	1 000	131	220	29/32		10
24 193 57 02	1 000	131	220	45/40	Non-DIN ISO size.	10

DURAN® Flat Bottom Flask

with standard ground joint



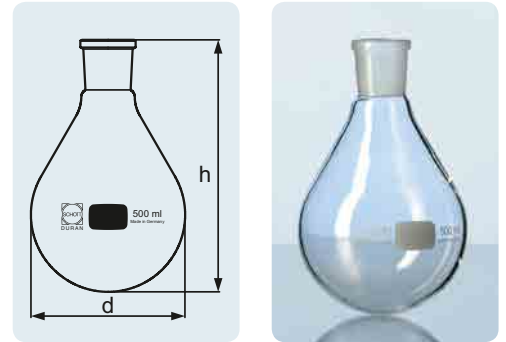
Due to the flat bottom the flask can be set upon a bench without a support ring.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Remark	Pack Unit
24 171 19 08	50	51	85	29/32		10
24 171 24 07	100	64	103	19/26		10
24 171 26 04	100	64	103	24/29		10
24 171 27 07	100	64	103	29/32		10
24 171 36 09	250	85	130	24/29	Non-DIN ISO size.	10
24 171 37 03	250	85	130	29/32		10
24 171 44 08	500	105	160	24/29	Non-DIN ISO size.	10
24 171 46 05	500	105	160	29/32		10
24 171 54 04	1 000	131	187	24/29	Non-DIN ISO size.	10
24 171 56 01	1 000	131	187	29/32		10
24 171 63 06	2 000	166	230	29/32	Non-DIN ISO size.	10

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Neck	Pack Unit
24 120 27 07	100	60	110	29/32	10
24 120 37 03	250	81	140	29/32	10
24 120 46 05	500	101	170	29/32	10
24 120 56 01	1 000	126	210	29/32	10

DURAN® Evaporating Flask

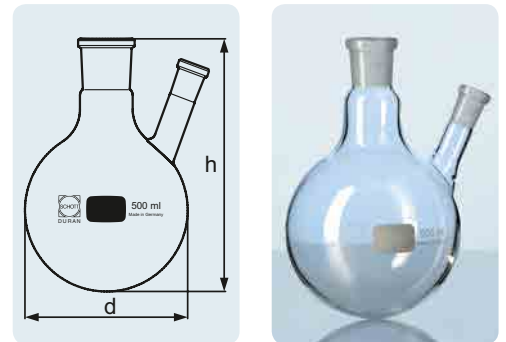
with standard ground joint, pear shape



Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Remark	Pack Unit
24 183 26 04	100	64	105	24/29	14/23	Non-DIN ISO size.	1
24 183 27 07	100	64	105	29/32	14/23	Non-DIN ISO size.	1
24 183 36 09	250	85	140	24/29	14/23	Non-DIN ISO size.	1
24 183 37 03	250	85	140	29/32	14/23		1
24 183 44 08	500	105	163	24/29	14/23	Non-DIN ISO size.	1
24 183 46 05	500	105	163	29/32	14/23		1
24 183 54 04	1 000	131	200	24/29	14/23	Non-DIN ISO size.	1
24 183 56 01	1 000	131	200	29/32	14/23		1
24 183 63 06	2 000	166	240	29/32	14/23		1



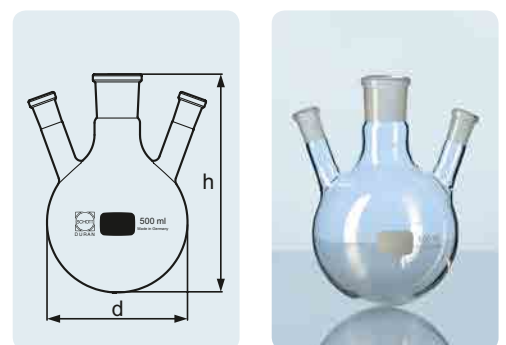
Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Pack Unit
24 188 27 03	100	64	105	29/32	14/23	1
24 188 36 05	250	85	140	24/29	14/23	1
24 188 37 08	250	85	140	29/32	14/23	1
24 188 43 01	500	105	163	24/29	14/23	1
24 188 46 01	500	105	163	29/32	14/23	1
24 188 53 06	1 000	131	200	24/29	14/23	1
24 188 55 03	1 000	131	200	29/32	14/23	1

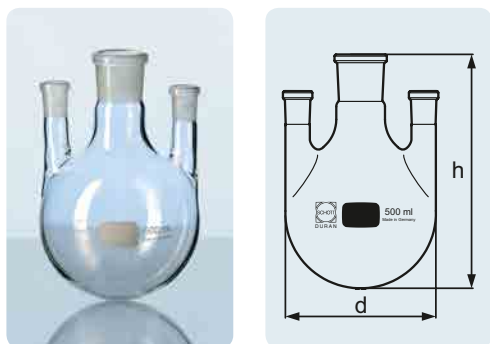
DURAN® Triple-Neck Round Bottom Flask

with standard ground joint, inclined side necks



DURAN® Triple-Neck Round Bottom Flask

with standard ground joint, parallel side necks



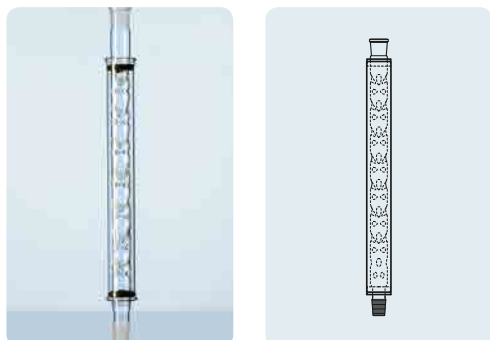
Thanks to the uniform wall thickness, round bottom flasks are ideal as heating vessels. The geometry permits very uniform heating. Depending upon the application, accessories, columns, thermometers, dropping funnels, boiling capillaries, etc. can be fitted.

Typical applications: distillation, extraction.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Center neck (NS)	Side neck (NS)	Remark	Pack Unit
24 185 36 02	250	85	105	24/29	19/26	Non-DIN ISO size.	1
24 185 37 05	250	85	140	29/32	14/23	Non-DIN ISO size.	1
24 185 44 01	500	105	140	24/29	19/26	Non-DIN ISO size.	1
24 185 46 07	500	105	163	29/32	14/23	Non-DIN ISO size.	1
24 185 45 04	500	105	163	29/32	29/32		1
24 185 56 03	1 000	131	163	29/32	14/23	Non-DIN ISO size.	1
24 185 55 09	1 000	131	200	29/32	29/32		1
24 185 63 08	2 000	166	240	29/32	14/23	Non-DIN ISO size.	1
24 185 65 05	2 000	166	240	29/32	29/32		1

DURAN® Vigreux Column

with 2 standard ground joints, complete, with slide-on glass jacket

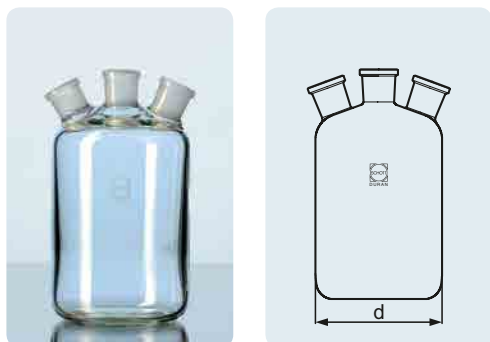


Typical application: distillation.

Cat. No.	Overall length (mm)	Socket size (NS)	Cone (NS)	Effective length (mm)	Pack Unit
24 240 71 04	450	24/29	24/29	300	1
24 240 72 07	450	29/32	29/32	300	1
24 240 87 09	650	24/29	24/29	500	1
24 240 88 03	650	29/32	29/32	500	1

DURAN® Woulff Bottle

3 standard ground necks



Vacuum resistant due to the wall thickness and geometry.

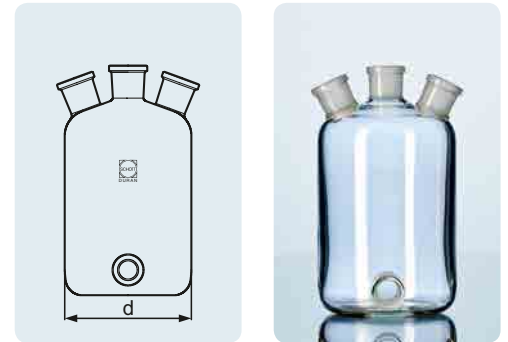
Cat. No.	Capacity (mL)	d (OD) (mm)	Neck	Pack Unit
24 709 44 03	500	87	19/26	1
24 709 54 08	1 000	113	24/29	1
24 709 63 01	2 000	135	29/32	1
24 709 73 06	5 000	185	34/35	1

Vacuum resistant due to the wall thickness and geometry.

Cat. No.	Capacity (mL)	d (OD) (mm)	Neck	Remark	Pack Unit
24 710 44 01	500	87	19/26	Bottom NS 19/26	1
24 710 54 06	1 000	113	24/29	Bottom NS 19/26	1
24 710 63 08	2 000	135	29/32	Bottom NS 19/26	1
24 710 73 04	5 000	185	34/35	Bottom NS 29/32	1

DURAN® Wouff Bottle

3 standard ground necks, and bottom tubulature



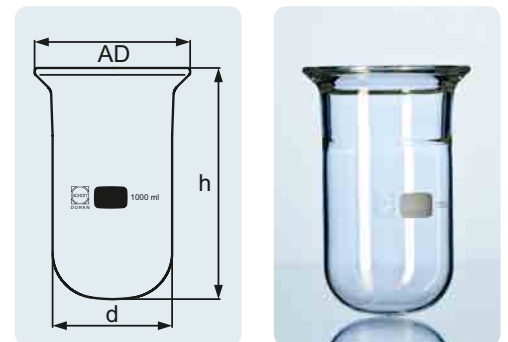
Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	Full capacity (mL)	Outer diameter (AD) Flange (mm)	Vessel d (OD) (mm)	h (mm)	Max. operating pressure at 250 °C	Remark	Pack Unit
DN 60								
24 390 24 08	100	195	100	70	85	2.5 bar	cylindrical	1
24 390 36 01	250	315	100	70	125	2.5 bar	cylindrical	1
DN 100								
24 390 44 09	500	740	138	106	120	1.5 bar	cylindrical	1
24 390 54 05	1 000	1 395	138	106	205	1.5 bar	cylindrical	1
24 390 63 07	2 000	2 620	138	140	270	1.5 bar	flask shaped	1
DN 150								
24 390 71 06	4 000	5 765	184	200	290	1.0 bar	flask shaped	1
24 390 76 03	6 000	7 320	184	215	320	1.0 bar	flask shaped	1
24 390 86 08	10 000	11 935	184	240	410	0.5 bar	flask shaped	1

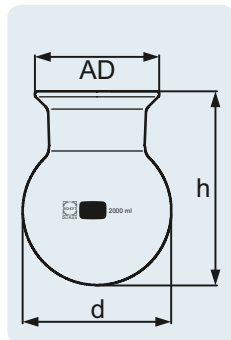
DURAN® Flat Flange Reaction Vessel

flange with groove



DURAN® Flat Flange Round Bottomed Flask

flange with groove, for vacuum use



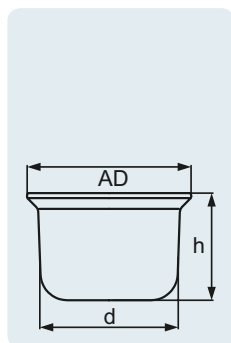
Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal. Note: At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	h (mm)	Outer diameter (AD) Flange (mm)	Full capacity (mL)	Vessel d (OD) (mm)	Max. operating pressure at 250 °C	Pack Unit
DN 100							
24 395 63 03	2 000	215	138	2 610	165	1.0 bar	1
24 395 71 02	4 000	265	138	4 660	206	1.0 bar	1
24 395 76 08	6 000	295	138	6 675	236	1.0 bar	1
24 395 86 04	10 000	340	138	11 720	280	0.5 bar	1
24 395 91 03	20 000	410	138	21 415	350	0.5 bar	1
DN 120							
24 397 73 01	5 000	270	158		223		1
DN 150							
24 399 86 08	10 000	340	184		280		1
34 399 91 07	20 000	410	184		350		1

DURAN® Flat Flange Beaker

flange with groove



Pressure and vacuum resistant due to the wall thickness and geometry. Groove for O-ring seal. Suitable for Witt-type filter apparatus. Note: only heat flat-flange beakers in water or oil baths. At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	Capacity (mL)	h (mm)	Outer diameter (AD) Flange (mm)	Full capacity (mL)	Max. operating pressure at 250 °C	Beaker d (OD) (mm)	Pack Unit
DN 120							
24 394 54 09	1 000	125	158	1 360	0.5 bar	130	1
24 394 63 02	2 000	200	158	2 200	0.5 bar	130	1
24 394 68 08	3 000	290	158	3 220	0.5 bar	130	1
DN 150							
24 391 54 06	1 000	120	184	1 915	0.5 bar	159	1
24 391 63 08	2 000	200	184	3 070	0.5 bar	153	1
24 391 68 05	3 000	265	184	4 090	0.5 bar	153	1

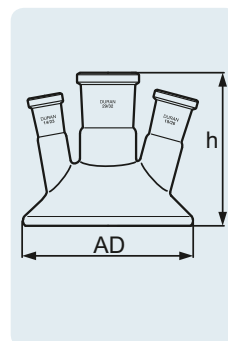
Pressure and vacuum resistant due to the wall thickness and geometry. Note: At the maximum usage temperature of 250 °C and the maximum operating pressure, the temperature difference in the glass wall of the flat flange reaction vessels must not exceed 30 °C.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 392 34 06	90	60	100	29/32	2 bar	1

DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 2 x 19/26 angled; 1 x 14/23 angled



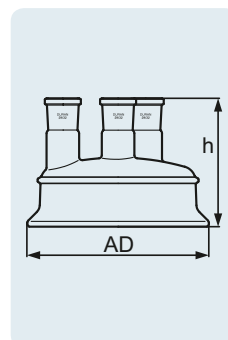
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 392 57 07	130	150	184	29/32	1 bar	1

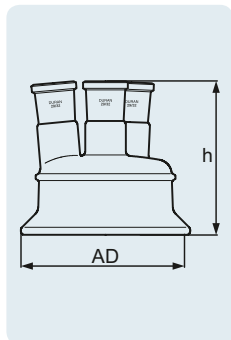
DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 3 x 29/32 parallel



DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 3 x 29/32 angled



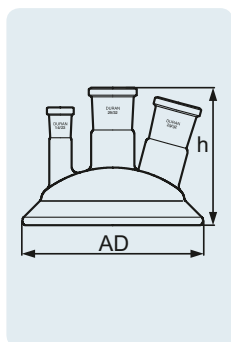
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 392 46 08	125	100	138	29/32	1 bar	1
24 392 58 01	130	150	184	29/32	1 bar	1

DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 2 x 29/32 angled; 1 x 14/23 angled



Flat form. Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 396 46 03	105	100	138	29/32	1 bar	1

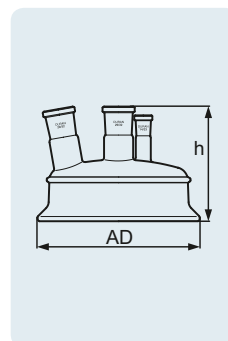
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 392 47 02	125	100	138	29/32	1 bar	1
24 392 51 07	130	120	158	29/32	1 bar	1
24 392 59 04	120	150	184	29/32	1 bar	1

DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 2 x 29/32 angled; 1 x 14/23 parallel



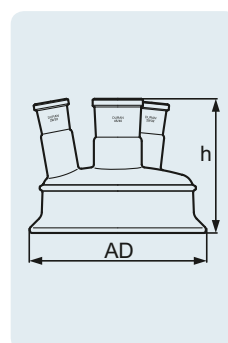
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	DN	Outer diameter (AD) Flange (mm)	Center neck (NS)	Max. operating pressure at 250 °C	Pack Unit
24 392 60 09	140	150	184	45/40	1 bar	1

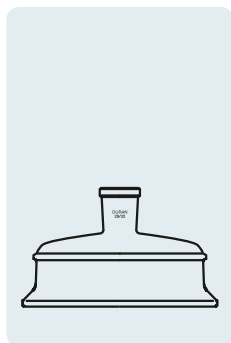
DURAN® Flat Flange Lid

4 standard ground necks, with side neck (NS): 3 x 29/32 angled



DURAN® Flat Flange Lid

with centre neck



A
121 °C

USP
Standard

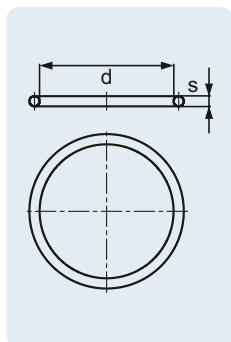
Pressure and vacuum resistant due to the wall thickness and geometry.

Typical applications: reactions under pressure and/or high temperature.

Cat. No.	h (mm)	Neck	DN	Outer diameter (OD) Flange (mm)	Max. operating pressure at 250 °C	Pack Unit
NS 29/32						
24 398 46 05	76	29/32	100	138	1 bar	1
24 398 57 04	102	29/32	150	184	1 bar	1
24 398 61 09	126	29/32	200	242	1 bar	1
24 398 51 04	105	29/32	120	158	1 bar	1
NS 45/40						
24 450 46 08	84	45/40	100	138	1 bar	1
24 450 57 07	112	45/40	150	184	1 bar	1

O-Ring Red

FEP coated, not suitable for desiccators



A
121 °C

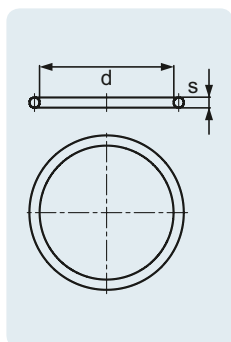
Tmax.
200 °C

Accessories for flat flange vessels, comprising an elastic, silicone core with seamless FEP coating that encloses the ring. The combination of these high-quality materials achieves good elasticity in conjunction with outstanding chemical resistance.

Cat. No.	d (OD) (mm)	DN	s (mm)	Pack Unit
29 222 34 06	75	60	4	1
29 222 46 08	110	100	4	1
29 222 51 07	133	120	4	1
29 222 57 07	157	150	5	1
29 222 61 03	215	200	5	1

O-Ring Transparent

from silicone (VMQ), not suitable for desiccators



A
121 °C

Tmax.
200 °C

Accessories for flat flange vessels. From silicone (VMQ), so is highly elastic. The chemical resistance of silicone is lower than FEP coated O-rings.

Cat. No.	d (OD) (mm)	DN	s (mm)	Pack Unit
29 225 34 09	75	60	4	5
29 225 46 02	110	100	4	5
29 225 51 01	133	120	4	5
29 225 57 01	157	150	5	5
29 225 61 06	215	200	5	5

Accessories for flat flange vessels.

Cat. No.	DN	Pack Unit
29 071 34 07	60	1
29 071 46 09	100	1
29 071 51 08	120	1
29 071 57 08	150	1
29 071 61 04	200	1

Quick Release Clamp

from stainless steel, with retaining clip

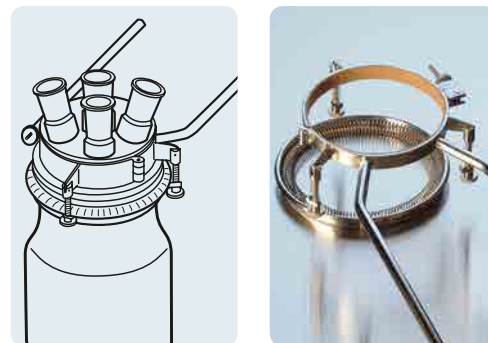


For secure fitting of the lid or the reaction vessel using two clamping rods.

Cat. No.	DN	Pack Unit
29 073 46 02	100	1
29 073 57 01	150	1

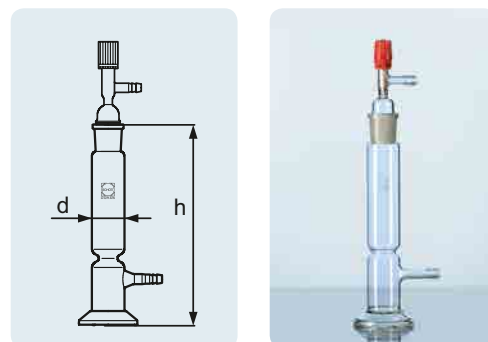
Holding Device for Reaction Vessels

from chrome-nickel steel



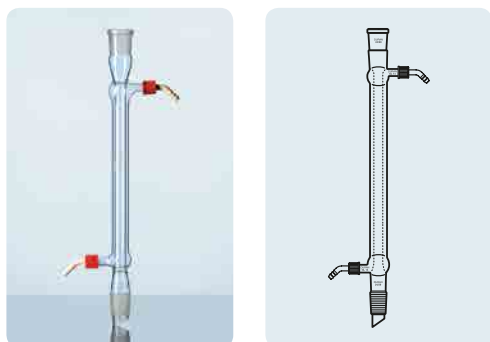
Cat. No.	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
21 570 42 07	40	240	29/32	1
21 570 48 07	54	315	34/35	1

DURAN® Calcium Chloride Cylinder



DURAN® Liebig Condenser (West Condenser)

with 2 standard ground joints, and
2 screw-on plastic hose connections



DIN
12576

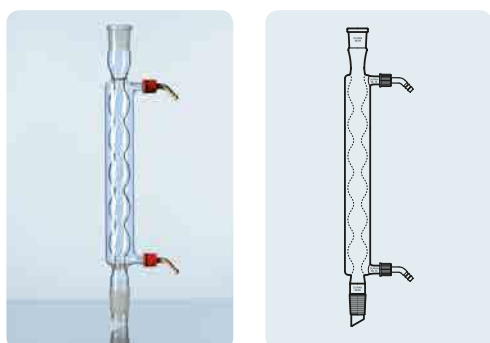
Relatively small heat exchange surface and thus relatively low cooling capacity.

Typical application: product condenser for distillate separations.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
24 251 61 07	14	14/23	14/23	160		1
24 251 70 09	14	14/23	14/23	250	Special size, non-DIN size.	1
24 251 71 03	14	24/29	24/29	250	Special size, non-DIN size.	1
24 251 72 06	14	29/32	29/32	250	Special size, non-DIN size.	1
24 251 81 08	14	24/29	24/29	400	Special size, non-DIN size.	1
24 251 82 02	14	29/32	29/32	400		1

DURAN® Bulb Condenser (Allihn Condenser)

with 2 standard ground joints, and
2 screw-on plastic hose connections



DIN
12576

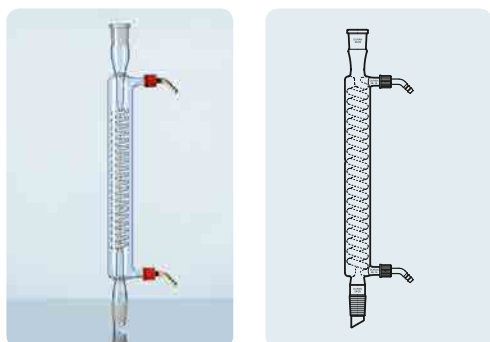
The bulb condenser has a greater cooling surface than the liebig condenser and thus higher cooling capacity.

Typical application: reflux condenser for condensation and feedback of the (solvent) vapour to the reaction mixture.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
24 252 71 04	14	24/29	24/29	250	Special size, non-DIN size.	1
24 252 72 07	14	29/32	29/32	250	Special size, non-DIN size.	1
24 252 81 09	14	24/29	24/29	400	Special size, non-DIN size.	1
24 252 82 03	14	29/32	29/32	400		1

DURAN® Coil Distillate Condenser

with 2 standard ground joints, and
2 screw-on plastic hose connections



Typical application: product condenser for distillate separations.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Pack Unit
24 253 71 05	14	24/29	24/29	300	1
24 253 72 08	14	29/32	29/32	300	1

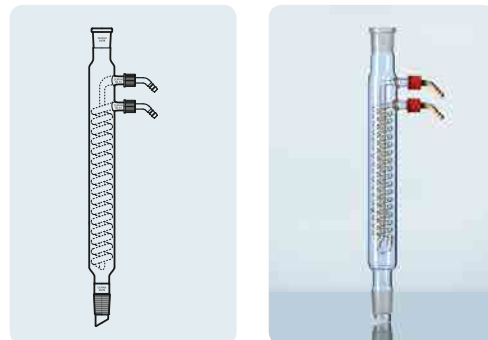
The dimroth condenser comprises a coil condenser located within a tube. This condenser type has a larger heat exchange surface and thus a better cooling effect than the Liebig or Allihn condenser.

Typical applications: product and reflux condenser.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
24 254 61 01	14	14/23	14/23	160	Special size, non-DIN size.	1
24 254 71 06	14	24/29	24/29	250	Special size, non-DIN size.	1
24 254 72 09	14	29/32	29/32	250	Special size, non-DIN size.	1
24 254 82 05	14	29/32	29/32	400		1

DURAN® Dimroth Condenser

with 2 standard ground joints, and
2 screw-on plastic hose connections



DIN
12591

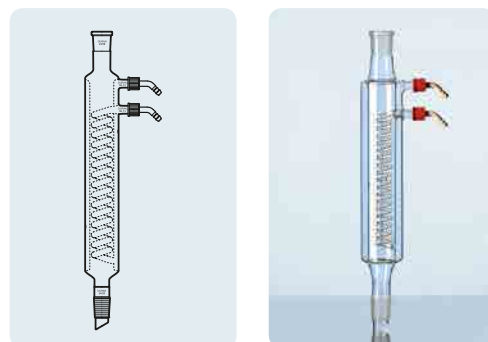
This type of condenser has a very large heat exchange surface due to its coil condenser and double jacket and is thus especially suited to working with low boiling point media.

Typical application: use as a reflux condenser for condensation and feedback of the (solvent) vapour to the reaction mixture.

Cat. No.	Thread	Socket size (NS)	Cone (NS)	Jacket length (mm)	Remark	Pack Unit
24 255 71 07	14	24/29	24/29	250	Special size, non-DIN size.	1
24 255 72 01	14	29/32	29/32	250	Special size, non-DIN size.	1
24 255 81 03	14	24/29	24/29	400	Special size, non-DIN size.	1
24 255 82 06	14	29/32	29/32	400	Special size, non-DIN size.	1

DURAN® Jacketed Coil Condenser

with 2 standard ground joints, and
2 screw-on plastic hose connections



DIN
12593

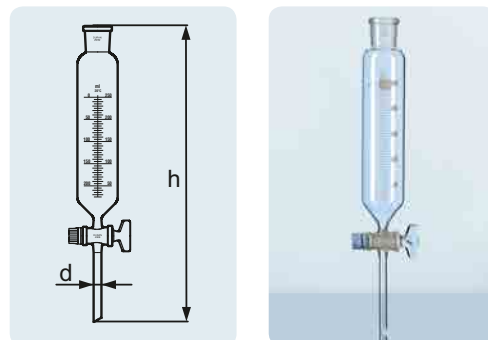
With standard ground stopcock and retaining device.

Typical applications: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Socket size (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Pack Unit
24 122 17 04	50	9	279	19/26	1	3 NS	1
24 122 24 09	100	9	299	19/26	2	3 NS	1
24 122 36 02	250	10	381	29/32	5	4 NS	1
24 122 44 01	500	10	431	29/32	10	4 NS	1
24 122 54 06	1000	13	506	29/32	20	6 NS	1

DURAN® Dropping Funnel

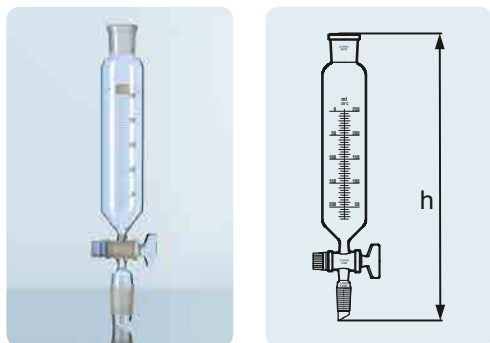
cylindrical, with scale



DIN ISO
4800

DURAN® Dropping Funnel

cylindrical, with scale, and ground joint



DIN ISO
4800

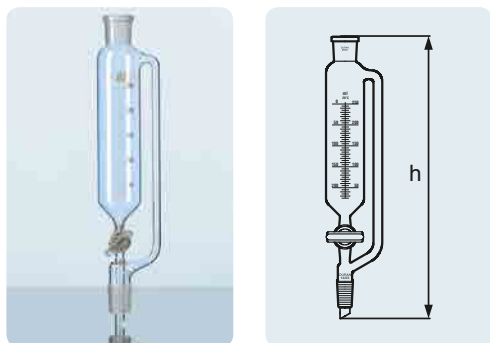
With standard ground joint, standard ground stopcock and retaining device.

Typical application: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Cone (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Remark	Pack Unit
24 124 20 08	50	220	19/26	14/23	1	3 NS		1
24 124 25 05	100	240	19/26	14/23	2	3 NS		1
24 124 24 02	100	240	19/26	19/26	2	3 NS		1
24 124 36 04	250	320	29/32	24/29	5	4 NS	Special size, non-DIN ISO size.	1
24 124 37 07	250	320	29/32	29/32	5	4 NS		1
24 124 44 03	500	400	29/32	24/29	10	4 NS	Special size, non-DIN ISO size.	1
24 124 46 09	500	400	29/32	29/32	10	4 NS		1
24 124 56 05	1 000	480	29/32	29/32	20	6 NS		1

DURAN® Dropping Funnel

cylindrical, with scale, ground joint and pressure equalisation tube



DIN ISO
4800

With pressure equalisation tube, standard ground cone, standard ground stopcock and retaining device.

Typical application: uniform and metered liquid supply to a reaction mixture. The rate of supply can be adjusted.

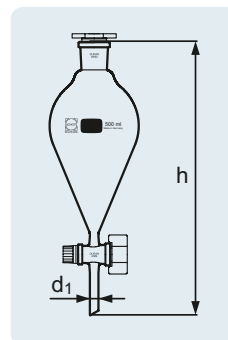
Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Cone (NS)	Scale (mL)	Standard solid key nominal size (DIN 12541)	Remark	Pack Unit
24 125 20 09	50	240	19/26	14/23	1	3 NS		1
24 125 25 06	100	270	19/26	14/23	2	3 NS		1
24 125 24 03	100	270	19/26	19/26	2	3 NS		1
24 125 36 05	250	350	29/32	24/29	5	4 NS	Special size, non-DIN ISO size.	1
24 125 37 08	250	380	29/32	29/32	5	4 NS		1
24 125 44 04	500	430	29/32	24/29	10	4 NS	Special size, non-DIN ISO size.	1
24 125 46 01	500	430	29/32	29/32	10	4 NS		1

With standard ground stopcock, retaining device and plastic stopper. The conical shape makes it highly suited for phase separation.

Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Standard solid key nominal size (DIN 12541)	Stem d_1 (OD) (mm)	Pack Unit
24 294 17 04	50	190	19/26	3 NS	9	1
24 294 24 09	100	230	19/26	3 NS	9	1
24 294 36 02	250	280	29/32	4 NS	10	1
24 294 44 01	500	320	29/32	4 NS	10	1
24 294 54 06	1 000	380	29/32	6 NS	13	1
24 294 63 08	2 000	430	29/32	6 NS	13	1

DURAN® Separating Funnel

conical shape, with solid key

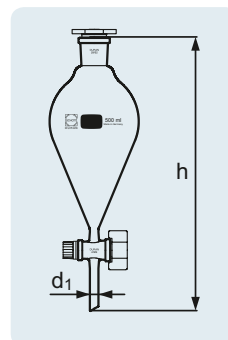


DIN ISO
4800

Cat. No.	Capacity (mL)	h (mm)	Socket size (NS)	Standard solid key nominal size (DIN 12541)	Stem d_1 (OD) (mm)	Pack Unit
10 648 05	100	230	19/26	3 NS	9	1
10 648 06	250	280	29/32	4 NS	10	1
10 648 07	500	320	29/32	4 NS	10	1
10 648 09	1 000	380	29/32	6 NS	13	1

DURAN® Separating Funnel

conical shape, with PTFE key



DIN ISO
4800

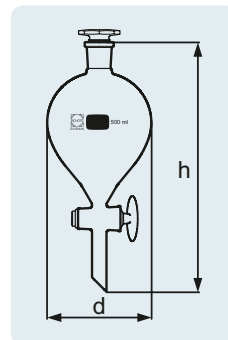
With standard ground stopcock and standard ground stopper.

Typical application: Phase separation.

Cat. No.	Capacity (mL)	d (OD) (mm)	h (mm)	Stopper size	Pack Unit
24 291 36 08	250	90	235	24/20	1
24 291 44 07	500	115	276	24/29	1
24 291 54 03	1 000	132	295	29/32	1
24 291 66 05	2 500	182	370	45/40	1
24 291 73 01	5 000	222	425	45/40	1
24 291 86 06	10 000	286	490	45/40	1

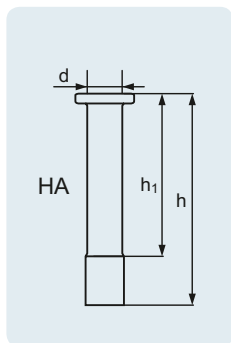
DURAN® Separating Funnel

spherical, heavy-duty version



DURAN® KPG® Stirrer Bearing

interchangeable

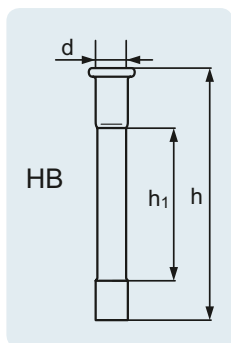


Ground and polished bearing surface.

Cat. No.	Designation	d (OD) (mm)	h (mm)	h ₁ (mm)	Pack Unit
24 500 42 09	HA 10	10	80	65	1

DURAN® KPG® Stirrer Bearing

interchangeable

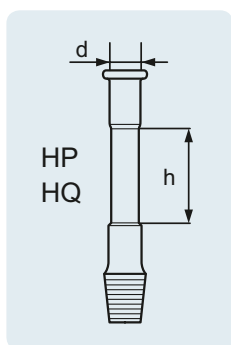


Ground and polished bearing surface.

Cat. No.	Designation	d (OD) (mm)	h (mm)	h ₁ (mm)	Pack Unit
24 505 51 07	HB 10	10	120	75	1
24 506 57 08	HB 16	16	150	90	1

DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone



Ground and polished bearing surface, with standard ground cone.

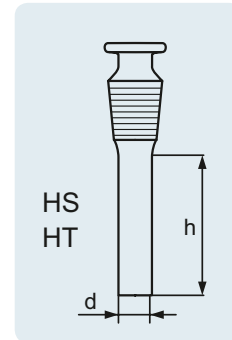
Cat. No.	Designation	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
24 528 56 03	HQ 10	10	75	29/32	1
24 523 55 04	HP 10	10	75	24/29	1

Ground and polished bearing surface, with standard ground cone.

Cat. No.	Designation	d (OD) (mm)	h (mm)	Cone (NS)	Pack Unit
24 540 51 03	HT 10	10	65	29/32	1
24 541 54 01	HT 16	16	85	29/32	1

DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone

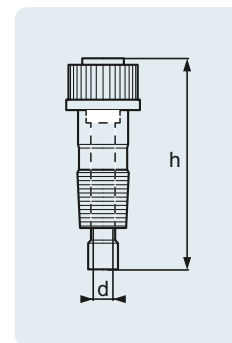


Ground and polished bearing surface, with GL screw thread tube and standard ground cone.

Cat. No.	d (OD) (mm)	h (mm)	DIN Thread (GL)	Cone (NS)	Designation	Pack Unit
24 750 08 03	10	75	32	24/29	HB 10	1
24 750 09 06	10	75	32	29/32	HB 10	1

DURAN® KPG® Stirrer Bearing

interchangeable, with standard ground cone and GL screw thread tube

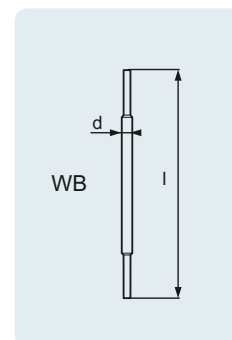


Bearing surface ground and polished.

Cat. No.	Overall length (mm)	Designation	Shaft d (OD) (mm)	Wave l (mm)	Pack Unit
24 565 64 09	240	WB 10	10	160	1
24 566 67 01	260	WB 16	16	160	1

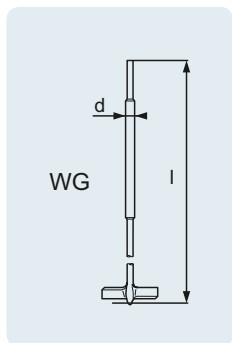
DURAN® KPG® Stirrer Shaft

interchangeable



DURAN® KPG® Stirrer Shaft

Ø 10 mm, interchangeable

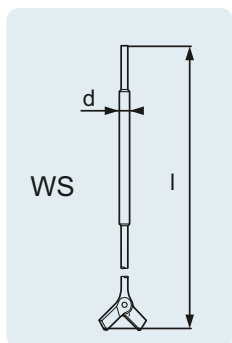


Bearing surface ground and polished.

11,206 mm	Designation	Neck	Overall length (mm)	Shaft d (OD) (mm)	Shaft l (mm)	Pack Unit
24 573 74 01	WG 10	60	320	10	160	1
24 573 77 01	WG 10	60	370	10	160	1
24 573 84 06	WG 10	60	410	10	160	1
24 573 86 03	WG 10	60	440	10	160	1

DURAN® KPG® Stirrer Shaft

Ø 10 mm, interchangeable

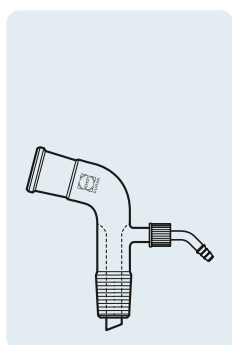


Bearing surface ground and polished.

Cat. No.	Designation	Neck	Overall length (mm)	Shaft d (OD) (mm)	Shaft l (mm)	Pack Unit
24 583 74 08	WS 10	25	320	10	160	1
24 583 77 08	WS 10	25	370	10	160	1
24 583 84 04	WS 10	25	410	10	160	1
24 583 86 01	WS 10	25	440	10	160	1

DURAN® Vacuum Receiver Adapter

bent, with 2 standard ground joints, and screw-on plastic hose connection

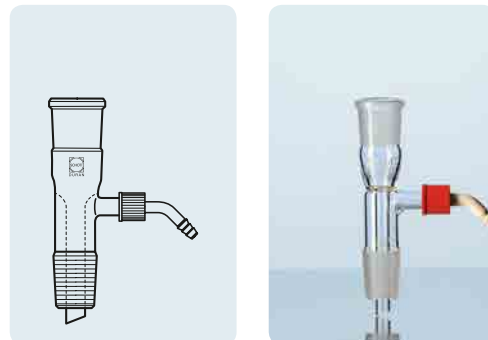


Cat. No.	DIN Thread (GL)	Hose connection d (OD) (mm)	Socket size (NS)	Cone (NS)	Pack Unit
24 130 21 05	14	8.6	14/23	14/23	1
24 130 34 01	14	8.6	24/29	24/29	1
24 130 46 03	14	8.6	29/32	29/32	1

Cat. No.	DIN Thread (GL)	Hose connection d (OD) (mm)	Socket size (NS)	Cone (NS)	Pack Unit
24 131 21 06	14	8.6	14/23	14/23	1
24 131 34 02	14	8.6	24/29	24/29	1
24 131 46 04	14	8.6	29/32	29/32	1

DURAN® Vacuum Receiver Adapter

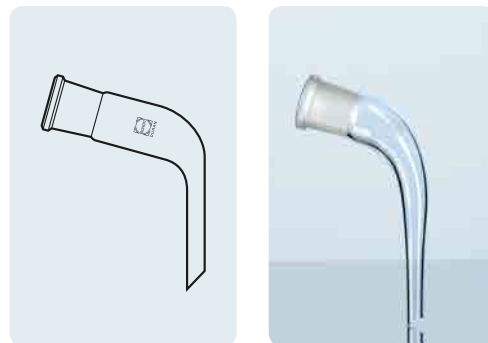
straight, with 2 standard ground joints, and screw-on plastic hose connection



Cat. No.	Socket size (NS)	Pack Unit
24 310 06 02	14/23	1
24 310 08 08	24/29	1
24 310 09 02	29/32	1

DURAN® Receiver Adapter

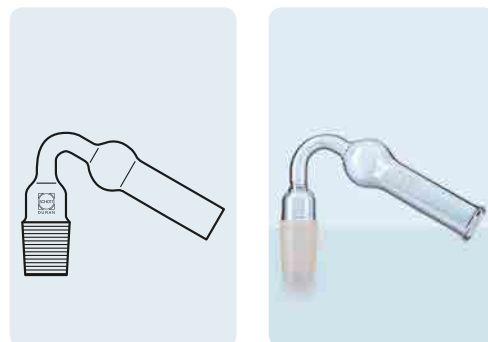
bent, with ground socket



Cat. No.	Cone (NS)	Pack Unit
24 262 06 09	14/23	1
24 262 07 03	19/26	1
24 262 08 06	24/29	1
24 262 09 09	29/32	1

DURAN® Drying Tube

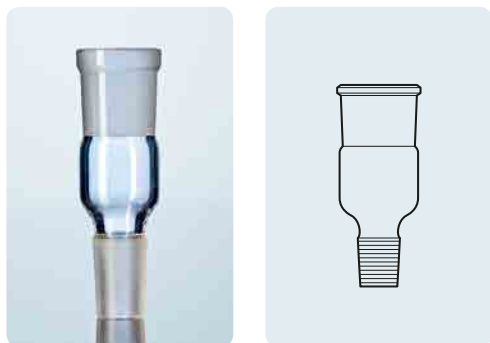
bent, with standard ground cone



04 INTERCHANGEABLE GLASSWARE

DURAN® Adapter

with standard ground joint



DIN
12257

Cat. No.	Socket size (NS)	Cone (NS)	Remark	Pack Unit
24 114 22 07	14/23	19/26		1
24 114 23 01	14/23	24/29	Non-DIN size.	1
24 114 24 04	14/23	29/32		1
24 114 26 01	19/26	14/23		1
24 114 28 07	19/26	24/29	Non-DIN size.	1
24 114 29 01	19/26	29/32		1
24 114 32 03	24/29	14/23	Non-DIN size.	1
24 114 33 06	24/29	19/26	Non-DIN size.	1
24 114 36 06	24/29	29/32	Non-DIN size.	1
24 114 42 08	29/32	14/23		1
24 114 43 02	29/32	19/26		1
24 114 44 05	29/32	24/29	Non-DIN size.	1

DURAN® Connection Piece

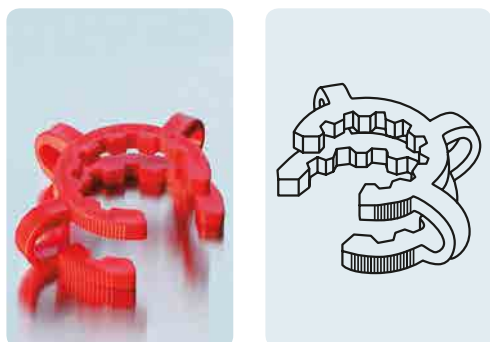
with standard ground cone, 90° angle



Cat. No.	Cone (NS)	Pack Unit
24 300 06 04	14/23	1
24 300 08 01	24/29	1
24 300 09 04	29/32	1

KECK™ Clip

for conical joints, from POM



Tmax.
90 °C

To secure glass-to-glass joints.

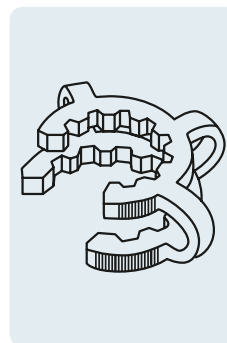
Cat. No.	Colour	Neck	Pack Unit
10 911 43	green	10	10
10 911 44	violet	12	10
10 909 78	yellow	14	10
10 909 79	blue	19	10
10 911 40	green	24	10
10 911 42	red	29	10
10 911 48	orange	34	10
10 911 49	yellow	40	10
10 911 51	brown	45	10

To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
29 031 00 06	2 x KC 14, 2 x KC 19, 1 x KC 29, 1 x KC 10, 1 x KC 24, 1 x KC 34, 1 x KC 45	1

KECK™ Clip Assortment

for conical joints, from POM



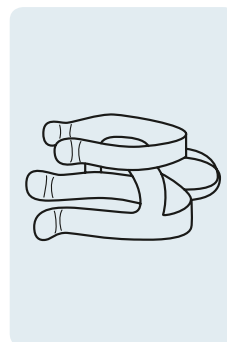
Tmax.
90 °C

To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
29 033 00 08	2 x KCM 14, 2 x KCM 19, 1 x KCM 29, 1 x KCM 24	1

KECK™ Clip Assortment

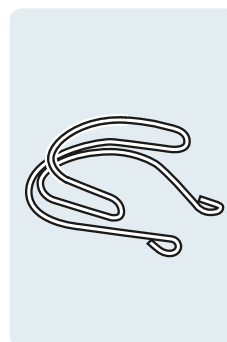
for conical joints, from metal



Cat. No.	For nominal size	Pack Unit
29 030 02 02	NS 7	10
29 030 03 05	NS 10	10
29 030 04 08	NS 12	10
29 030 06 05	NS 14	10
29 030 07 08	NS 19	10
29 030 08 02	NS 24	10
29 030 09 05	NS 29	10
29 030 11 04	NS 34	10

KECK™ Clip Assortment

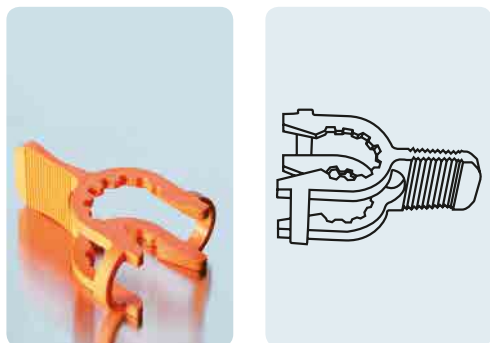
for conical joints, from stainless steel (1.4310, blank)



04 INTERCHANGEABLE GLASSWARE

KECK™ Clip Assortment

for spherical joints, from POM



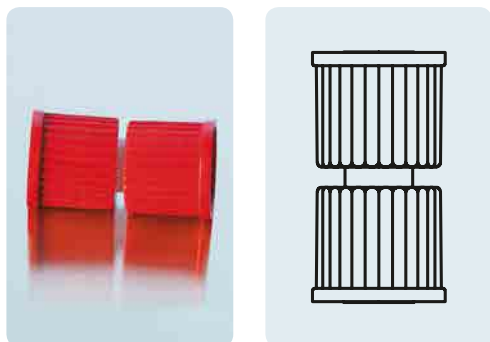
Tmax.
90 °C

To secure glass-to-glass joints.

Cat. No.	Capacity (mL)	Pack Unit
29 032 00 07	2 x KS 13, 2 x KS 19, 1 x KS 29, 1 x KS 35	1

DURAN® Screw Thread Coupling

from PBT



A
121 °C

Tmax.
180 °C

For flexible connection of two glass screw-thread connections. With integral silicone seal (VQM).

Cat. No.	DIN Thread (GL)	Pack Unit
29 226 05 56	14	1
29 226 06 59	18	1
29 226 09 59	25	1
29 226 08 56	32	1
29 226 10 55	45	1

Suitable for PBT screw cap with aperture. Heat resistance: 130 °C (vapour) and 200 °C (dry heat).

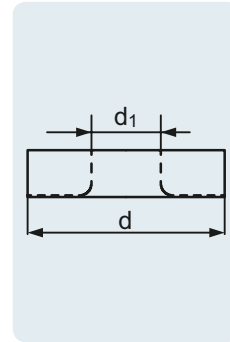
Typical application: connecting glass tubes.

Cat. No.	d (OD) (mm)	d _i (OD) (mm)	DIN Thread (GL)	for tube d (OD) (mm)	Pack Unit
29 234 06 06	12	6	14	5.5 – 6.5	10
29 235 06 07	16	6	18	5.5 – 6.5	10
29 235 08 04	16	8	18	7.5 – 9.0	10
29 235 10 03	16	10	18	9.0 – 11.0	10
29 237 08 06	22	8	25	7.5 – 9.0	10
29 237 10 05	22	10	25	9.0 – 11.0	10
29 237 12 02	22	12	25	11.0 – 13.0	10
29 236 10 04	29	10	32	9.0 – 11.0	10
29 236 12 01	29	12	32	11.0 – 13.0	10
29 236 14 07	29	14	32	13.0 – 15.0	10
29 236 16 04	29	16	32	15.0 – 17.0	10
29 236 18 01	29	18	32	17.0 – 19.0	10
29 238 26 02	42	26	45	25.0 – 27.0	10
29 238 32 04	42	32	45	31.0 – 33.0	10

Cat. No.	d (OD) (mm)	l (mm)	DIN Thread (GL)	Wall thickness (mm)	Pack Unit
24 836 02 07	12	100	14	1.5	10
24 837 01 05	16	100	18	1.8	10
24 838 02 09	22	100	25	1.8	10
24 839 01 07	28	140	32	2	10
24 835 01 03	40	170	45	2.3	1

Silicone Sealing Ring VMQ

with bonded PTFE face

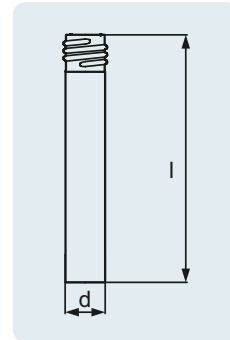


A
121 °C

Tmax.
180 °C

DURAN® Tube with Screw Thread

with DIN thread



DIN
12216

A
121 °C

USP
Standard

04 INTERCHANGEABLE GLASSWARE

DURAN® Tube with Screw Thread

with DIN thread, and standard ground cone



DIN
12257

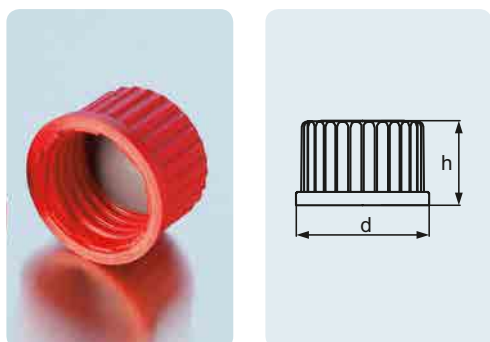
A
121 °C

USP
Standard

Cat. No.	l (mm)	DIN Thread (GL)	Cone (NS)	Remark	Pack Unit
24 840 62 02	30	14	14/23		10
24 840 72 07	35	14	19/26		10
24 840 82 03	40	14	24/29	Non-DIN size.	10
24 840 92 08	40	14	29/32	Non-DIN size.	10
24 841 61 09	35	18	14/23	Non-DIN size.	10
24 841 71 05	35	18	19/26		10
24 841 81 01	40	18	24/29	Non-DIN size.	10
24 841 91 06	40	18	29/32		10
24 842 72 09	40	25	19/26	Non-DIN size.	10
24 842 82 05	40	25	24/29	Non-DIN size.	10
24 842 92 01	40	25	29/32		10
24 844 81 04	50	32	24/29	Non-DIN size.	10
24 844 91 09	50	32	29/32		10

DURAN® Screw Cap

from PBT, red



A
121 °C

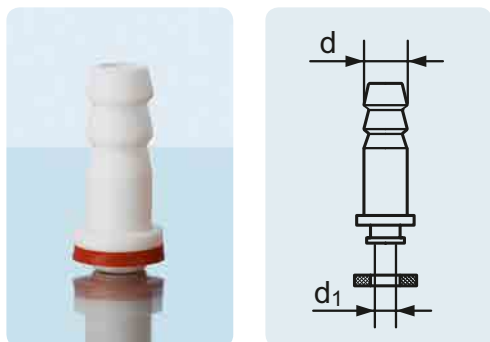
Tmax.
180 °C

High leak tightness through use of PTFE coated silicone cap liner (peroxide-cured silicone). More chemically resistant than PP cap.

Cat. No.	DIN Thread (GL)	d (OD) (mm)	h (mm)	Pack Unit
29 240 08 06	14	20	17	10
29 240 11 08	18	23	20	10

Plastic Hose Connection

straight, from PP



A
121 °C

Tmax.
140 °C

With silicone seal (VMQ). Suitable for GL 14 screw cap (Cat. No. 29 227 05 08).

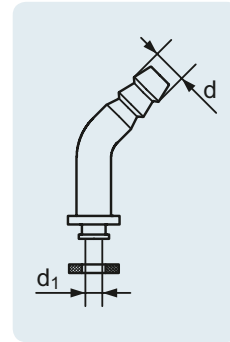
Cat. No.	d (OD) (mm)	d ₁ (OD) (mm)	Pack Unit
29 255 06 03	8.6	5	10

With silicone seal (VMQ). Suitable for GL 14 screw cap (Cat. No. 29 227 05 08).

Cat. No.	d (OD) (mm)	d ₁ (OD) (mm)	Pack Unit
29 247 05 04	8.6	4	10

Plastic Hose Connection

bent, from PP



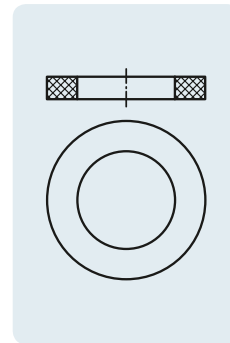
A
121 °C

Tmax.
140 °C

For plastic hose connections (Cat. No. 29 25506 03 and 29 247 05 04). From silicone (VMQ).

Cat. No.	Material	Pack Unit
29 220 09 04	Silicone (VMQ)	10

Replacement Seal



A
121 °C

Tmax.
140 °C