



*distillation & filtration
separation
sample preparation*



distillation & filtration & separation & sample preparation

GROUND JOINTS - "socket"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12249 standard with 120 mm length.
- ▶ Excellent grinding quality prevents airleaks and liquid leakage.

catalogue number	joint NS size	pack quantity
063.01.010	10/19	1 piece
063.01.012	12/21	1 piece
063.01.014	14/23	1 piece
063.01.019	19/26	1 piece
063.01.024	24/29	1 piece
063.01.029	29/32	1 piece
063.01.034	34/35	1 piece
063.01.045	45/40	1 piece

GROUND JOINTS - "cone"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12249 standard with 120 mm length.
- ▶ Excellent grinding quality prevents airleaks and liquid leakage.

catalogue number	joint NS size	pack quantity
063.02.010	10/19	1 piece
063.02.012	12/21	1 piece
063.02.014	14/23	1 piece
063.02.019	19/26	1 piece
063.02.024	24/29	1 piece
063.02.029	29/32	1 piece
063.02.034	34/35	1 piece
063.02.045	45/40	1 piece

ADAPTERS - "expansion"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12257 standard with socket size larger than cone size.

catalogue number	cone NS	socket NS	pack quantity
064.11.001	12/21	14/23	1 pc.
064.11.002	14/23	19/26	1 pc.
064.11.003	14/23	24/29	1 pc.
064.11.004	19/26	24/29	1 pc.
064.11.005	14/23	29/32	1 pc.
064.11.006	19/26	29/32	1 pc.
064.11.007	24/29	29/32	1 pc.
064.11.008	19/26	34/35	1 pc.
064.11.009	24/29	34/35	1 pc.
064.11.010	29/32	34/35	1 pc.
064.11.011	24/29	45/40	1 pc.
064.11.012	29/32	45/40	1 pc.

ADAPTERS - "reduction"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12257 standard with socket size smaller than cone size.

catalogue number	cone NS	socket NS	pack quantity
064.12.001	14/23	12/21	1 pc.
064.12.002	19/26	14/23	1 pc.
064.12.003	24/29	14/23	1 pc.
064.12.004	29/32	14/23	1 pc.
064.12.005	24/29	19/26	1 pc.
064.12.006	29/32	19/26	1 pc.
064.12.007	34/35	19/26	1 pc.
064.12.008	29/32	24/29	1 pc.
064.12.009	34/35	24/29	1 pc.
064.12.010	45/40	24/29	1 pc.
064.12.011	34/35	29/32	1 pc.
064.12.012	45/40	29/32	1 pc.

ADAPTERS - "with screw thread"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12257 standard.
- ▶ Excellent grinding quality prevents airleaks and liquid leakage.
- ▶ Different thread sizes offer multiple tubing connection options.

catalogue number	joint NS size	neck thread	pack quantity
065.19.141	14/23	GL 14	1 pc.
065.19.142	14/23	GL 18	1 pc.
065.19.291	29/32	GL 14	1 pc.
065.19.292	29/32	GL 18	1 pc.
065.19.293	29/32	GL 25	1 pc.

ADAPTERS - "with screw thread & cap"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12257 standard.
- ▶ Excellent grinding quality prevents airleaks and liquid leakage.
- ▶ Supplied with a screw cap with hole featured with silicone sealing.
- ▶ Provides easy adjustment of thermometer height position.

catalogue number	joint NS size	neck thread	pack quantity
065.21.014	14/23	GL 14	1 pc.
065.21.029	29/32	GL 14	1 pc.

distillation & filtration & separation & sample preparation

ADAPTERS - "straight"



- Manufactured from heat resistant, durable borosilicate glass featured with a straight tubing adapter.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.26.014	14/23	1 piece
065.26.029	29/32	1 piece

ADAPTERS - "straight" - "with stopcock"



- Manufactured from borosilicate 3.3 with a straight adapter and a PTFE stopcock.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.28.014	14/23	1 piece
065.28.029	29/32	1 piece

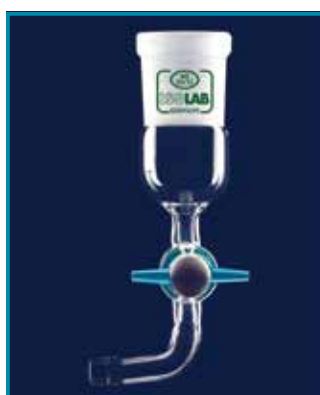
ADAPTERS - "bend"



- Manufactured from heat resistant, durable borosilicate glass featured with a 90° angle bend tubing adapter.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.27.014	14/23	1 piece
065.27.029	29/32	1 piece

ADAPTERS - "bend" - "with stopcock"



- Manufactured from heat resistant, durable borosilicate glass with a 90° bend tubing adapter and a PTFE stopcock.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.29.014	14/23	1 piece
065.29.029	29/32	1 piece

ADAPTERS - "straight"



- Manufactured from heat resistant, durable borosilicate glass featured with a straight tubing adapter.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.22.014	14/23	1 piece
065.22.029	29/32	1 piece

ADAPTERS - "straight" - "with stopcock"



- Manufactured from heat resistant, durable borosilicate glass featured with a straight tubing adapter and a PTFE stopcock.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.24.014	14/23	1 piece
065.24.029	29/32	1 piece

ADAPTERS - "bend"



- Manufactured from heat resistant, durable borosilicate glass featured with a 90° angle bend tubing adapter.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.23.014	14/23	1 piece
065.23.029	29/32	1 piece

ADAPTERS - "bend" - "with stopcock"



- Manufactured from heat resistant, durable borosilicate glass with a 90° angle bend tubing adapter and a PTFE stopcock.
- Excellently grinded joint prevents airleaks and leakage.
- Tubing adapter fits tubings with 6-10 mm diameter.

catalogue number	joint NS size	pack quantity
065.25.014	14/23	1 piece
065.25.029	29/32	1 piece

distillation & filtration & separation & sample preparation

ADAPTERS - "bend" - "75° angle"



► Manufactured from heat resistant, durable borosilicate glass 75° angle bend and featured with two cones on both ends.

► Excellently grinded cones prevent airleaks and liquid leakage.

catalogue number	joint NS size	pack quantity
065.37.014	14/23	1 piece
065.37.029	29/32	1 piece

ADAPTERS - "bend" - "90° angle"



► Manufactured from heat resistant, durable borosilicate glass 90° angle bend and featured with two cones on both ends.

► Excellently grinded cones prevent airleaks and liquid leakage.

catalogue number	joint NS size	pack quantity
065.38.014	14/23	1 piece
065.38.029	29/32	1 piece

ADAPTERS - "2 necks" - "45° upwards angled"



► Manufactured from heat resistant, durable borosilicate glass featured with a 45° upwards angled socket.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	angled socket NS size	pack quantity
065.42.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.42.002	NS 19/26	NS 19/26	NS 19/26	1 piece
065.42.003	NS 29/32	NS 29/32	NS 14/23	1 piece
065.42.004	NS 29/32	NS 29/32	NS 29/32	1 piece

ADAPTERS - "2 necks" - "75° downwards angled"



► Manufactured from heat resistant, durable borosilicate glass featured with a 75° downwards angled socket.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	angled socket NS size	pack quantity
065.18.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.18.002	NS 19/26	NS 19/26	NS 19/26	1 piece
065.18.003	NS 29/32	NS 29/32	NS 14/23	1 piece
065.18.004	NS 29/32	NS 29/32	NS 29/32	1 piece

ADAPTERS - "2 necks" - "parallel"



► Manufactured from heat resistant, durable borosilicate glass featured with a parallel socket.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	parallel socket NS size	pack quantity
065.43.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.43.002	NS 19/26	NS 19/26	NS 19/26	1 piece
065.43.003	NS 24/29	NS 19/26	NS 19/26	1 piece
065.43.004	NS 24/29	NS 24/29	NS 24/29	1 piece
065.43.005	NS 29/32	NS 14/23	NS 14/23	1 piece
065.43.006	NS 29/32	NS 29/32	NS 29/32	1 piece

ADAPTERS - "3 necks" - "angled & parallel"



► Manufactured from heat resistant, durable borosilicate glass featured with one parallel and one angled socket.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	parallel socket NS size	pack quantity
065.44.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.44.002	NS 19/26	NS 24/29	NS 19/26	1 piece
065.44.003	NS 19/26	NS 29/32	NS 19/26	1 piece
065.44.004	NS 24/29	NS 24/29	NS 24/29	1 piece
065.44.005	NS 29/32	NS 29/32	NS 29/32	1 piece

distillation & filtration & separation & sample preparation

DISTILLING HEADS



▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard featured with a 75° downwards angled cone.

▶ NS 14/23 socket is designed to be used with distillation thermometers.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	angled cone NS size	pack quantity
065.45.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.45.002	NS 14/23	NS 19/26	NS 19/26	1 piece
065.45.005	NS 14/23	NS 29/32	NS 29/32	1 piece

DISTILLING HEADS - "Claisen"



▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard featured with a 75° downwards angled cone.

▶ Two parallel NS 14/23 sockets are designed to be used with distillation thermometers.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	socket NS size	cone NS size	angled cone NS size	pack quantity
065.46.001	NS 14/23	NS 14/23	NS 14/23	1 piece
065.46.002	NS 14/23	NS 19/26	NS 19/26	1 piece
065.46.005	NS 14/23	NS 29/32	NS 14/23	1 piece
065.46.006	NS 14/23	NS 29/32	NS 29/32	1 piece

SPLASH HEADS - "straight"



▶ Manufactured from heat resistant, durable borosilicate glass for separation of drops. Advised to be placed directly on top of the distillation flasks.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.47.001	14/23	14/23	1 piece
065.47.003	29/32	29/32	1 piece

SPLASH HEADS - "bend"



▶ Manufactured from heat resistant, durable borosilicate glass 75° angled bend for separation of drops. Advised to be placed directly on top of the distillation flasks.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.48.001	14/23	14/23	1 piece
065.48.005	29/32	29/32	1 piece

ADAPTERS - "delivery" - "straight"



▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard with a cone with drain tip.

▶ Featured with a straight socket and a vacuum connecting adapter.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.34.014	14/23	14/23	1 piece
065.34.029	29/32	29/32	1 piece

ADAPTERS - "with stopcock"



▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard with a socket with drain tip.

▶ Featured with a straight socket and cone and a PTFE stopcock.

▶ Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.41.014	14/23	14/23	1 piece
065.41.019	19/26	19/26	1 piece
065.41.024	24/29	24/29	1 piece
065.41.029	29/32	29/32	1 piece

distillation & filtration & separation & sample preparation



DISTILLING LINKS

- Manufactured from heat resistant, durable borosilicate glass without condenser with two parallel cones.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	cone NS size	pack quantity
065.52.014	NS 14/23	NS 14/23	1 piece
065.52.029	NS 29/32	NS 29/32	1 piece



DISTILLING LINKS - "with splash head"

- Manufactured from heat resistant, durable borosilicate glass with a splash head and with two parallel cones.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	cone NS size	pack quantity
065.54.014	NS 14/23	NS 14/23	1 piece
065.54.029	NS 29/32	NS 29/32	1 piece



DISTILLING LINKS - "with socket"

- Manufactured from heat resistant, durable borosilicate glass without condenser with two parallel cones. NS 14/23 socket is designed to be used with distillation thermometers.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	cone NS size	socket NS size	pack quantity
065.53.014	NS 14/23	NS 14/23	NS 14/23	1 piece
065.53.029	NS 29/32	NS 29/32	NS 14/23	1 piece



DISTILLING LINKS - "with condenser"

- Manufactured from heat resistant, durable borosilicate glass with a liebig condenser with a NS 14/23 socket is designed to be used with distillation thermometers.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	socket NS size	condenser length	pack quantity
065.55.001	NS 14/23	NS 14/23	160 mm	1 piece
065.55.002	NS 14/23	NS 14/23	250 mm	1 piece
065.55.003	NS 29/32	NS 14/23	250 mm	1 piece
065.55.004	NS 29/32	NS 14/23	400 mm	1 piece



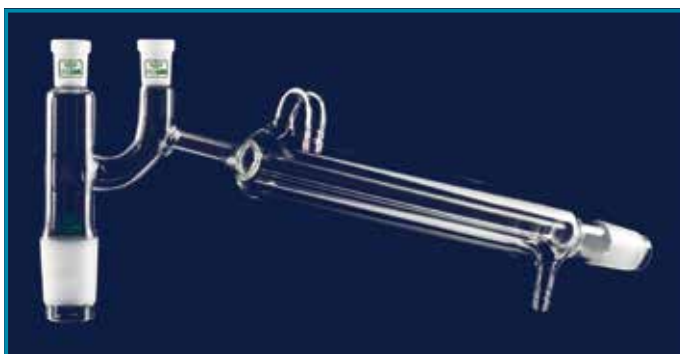
DISTILLING LINKS - "condenser & adapter"

- Manufactured from heat resistant, durable borosilicate glass with a liebig condenser with a NS 14/23 socket is designed to be used with distillation thermometers. Featured with a vacuum connecting adapter.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	socket NS size	condenser length	pack quantity
065.56.001	NS 14/23	NS 14/23	160 mm	1 piece
065.56.002	NS 14/23	NS 14/23	250 mm	1 piece
065.56.003	NS 29/32	NS 14/23	250 mm	1 piece
065.56.004	NS 29/32	NS 14/23	400 mm	1 piece

distillation & filtration & separation & sample preparation

DISTILLING LINKS - "with condenser" - "Claisen head"



► Manufactured from heat resistant, durable borosilicate glass with a liebig condenser with two NS 14/23 socket is designed to be used with distillation thermometers.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	socket NS size	condenser length	pack quantity
065.57.001	NS 14/23	NS 14/23	160 mm	1 piece
065.57.002	NS 14/23	NS 14/23	250 mm	1 piece
065.57.003	NS 29/32	NS 14/23	250 mm	1 piece
065.57.004	NS 29/32	NS 14/23	400 mm	1 piece

DISTILLING LINKS - "with condenser & vacuum adapter" - "Claisen head"



► Manufactured from heat resistant, durable borosilicate glass with a liebig condenser with two NS 14/23 socket is designed to be used with distillation thermometers. Featured with a vacuum connecting adapter.

► Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS size	socket NS size	condenser length	pack quantity
065.58.001	NS 14/23	NS 14/23	160 mm	1 piece
065.58.002	NS 14/23	NS 14/23	250 mm	1 piece
065.58.003	NS 29/32	NS 14/23	250 mm	1 piece
065.58.004	NS 29/32	NS 14/23	400 mm	1 piece

ADAPTERS - "PTFE" - "flexible"



► Manufactured from chemically inert PTFE with excellent chemical resistance, high mechanical strength and high temperature resistance between -200°C to +260°C.

► Unique flexible body form guarantees 90° angular connections of NS joints and provides corrections of misalignment in glassware assemblies.

► Extra smooth interior finish guarantees high vacuum sealing performance without a need of any lubricant.

catalogue number	socket NS size	cone NS size	pack quantity
065.36.014	NS 14/23	NS 14/23	1 piece
065.36.019	NS 19/26	NS 19/26	1 piece
065.36.024	NS 24/29	NS 24/29	1 piece
065.36.029	NS 29/32	NS 29/32	1 piece

GLASS BEADS



► Manufactured from borosilicate glass.

► They offer practical solutions specially for distillation applications with their different diameters.

catalogue number	diameter (mm)	pack quantity
030.60.003	3,0 - 3,5	1 kg
030.60.004	3,5 - 4,0	1 kg
030.60.005	4,0 - 5,0	1 kg
030.60.006	5,0 - 6,0	1 kg

distillation & filtration & separation & sample preparation

ADAPTERS - "delivery" - "bend" - "short"



- Manufactured from heat resistant, durable borosilicate glass with 65 mm length.
- Featured with a 105° angled bend socket.
- Excellently grinded joint prevents airleaks and liquid leakage.

catalogue number	socket NS size	pack quantity
065.30.014	14/23	1 piece
065.30.029	29/32	1 piece

ADAPTERS - "delivery" - "bend" - "long"



- Manufactured from heat resistant, durable borosilicate glass with 200 mm length.
- Featured with a 105° angled bend socket.
- Excellently grinded joint prevents airleaks and liquid leakage.

catalogue number	socket NS size	pack quantity
065.31.014	14/23	1 piece
065.31.029	29/32	1 piece

ADAPTERS - "delivery" - "bend"



- Manufactured from heat resistant, durable borosilicate glass featured with a cone and a socket with drain tip.
- Featured with a 105° angled bend socket.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.32.014	14/23	14/23	1 piece
065.32.029	29/32	29/32	1 piece

ADAPTERS - "delivery" - "bend" - "with ventilation"



- Manufactured from heat resistant, durable borosilicate glass featured with a cone and a socket with drain tip.
- Featured with a 105° angled bend socket and with ventilation arm useful to be used with highly boiling liquids.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.33.014	14/23	14/23	1 piece
065.33.029	29/32	29/32	1 piece

ADAPTERS - "receiving" - "straight"



- Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard with a cone with drain tip.
- Featured with a straight cone and a vacuum connecting adapter.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.39.014	14/23	14/23	1 piece
065.39.029	29/32	29/32	1 piece

ADAPTERS - "receiving" - "bend"



- Manufactured from heat resistant, durable borosilicate glass according to DIN 12594 standard with a cone with drain tip.
- Featured with a bend cone and a vacuum connecting adapter.
- Excellently grinded joints prevent airleaks and liquid leakage.

catalogue number	cone NS	socket NS	pack quantity
065.40.014	14/23	14/23	1 piece
065.40.029	29/32	29/32	1 piece

distillation & filtration & separation & sample preparation

DRYING TUBES - "bend"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12610 standard with a ball and connection tube.

catalogue number	pack quantity
065.60.100	1 piece
065.60.150	1 piece

DRYING TUBES - "U form"



- ▶ Manufactured from heat resistant, durable borosilicate glass with a U form.

catalogue number	pack quantity
065.62.100	1 piece
065.62.130	1 piece
065.62.180	1 piece

DRYING TUBES - "U form" - "with stopcock"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12616 standard with a U form and featured with a stopcock.

catalogue number	pack quantity
065.63.100	1 piece
065.63.130	1 piece
065.63.180	1 piece

BOTTLES - "gas washing"



- ▶ Manufactured from borosilicate 3.3 with thick walls with NS 29/32 neck size.

- ▶ Supplied without the bottle heads.

catalogue number	bottle volume	pack quantity
065.66.125	125 ml	1 piece
065.66.250	250 ml	1 piece
065.66.500	500 ml	1 piece
065.66.901	1000 ml	1 piece

BOTTLE HEAD - "glass side arm" - "without disc"



- ▶ Manufactured from heat resistant, durable borosilicate glass without sintered glass support.

- ▶ Featured with a glass side arm.

catalogue number	pack quantity
065.67.001	1 piece

BOTTLE HEAD - "glass side arm" - "with disc"



- ▶ Manufactured from heat resistant, durable borosilicate glass with sintered glass support.

- ▶ Featured with a glass side arm.

- ▶ Sintered glass disc with porosity 1 for efficient gas dispensing.

catalogue number	pack quantity
065.67.011	1 piece

BOTTLE HEAD - "PP side arm" - "without disc"



- ▶ Manufactured from heat resistant, durable borosilicate glass without sintered glass support.

- ▶ Featured with with GL 14 screw thread polypropylene side arm which can easily connected or disconnected preventing accidental breakage.

catalogue number	pack quantity
065.67.002	1 piece

BOTTLE HEAD - "PP side arm" - "with disc"



- ▶ Manufactured from heat resistant, durable borosilicate glass with sintered glass support.

- ▶ Sintered glass disc with porosity 1 enables efficient gas dispensing

- ▶ Featured with with GL 14 screw thread polypropylene side arms.

catalogue number	pack quantity
065.67.022	1 piece

distillation & filtration & separation & sample preparation

WATER ESTIMATOR



➤ Manufactured from borosilicate 3.3 for determination of water with xylol method.

➤ System consists of a 500 ml flask with NS 29/32 joint, a liebig condenser of 400 mm length and a measuring tube with PTFE stopcock.

catalogue number	pack quantity
065.70.001	1 piece

ARSENIC ESTIMATOR



➤ Manufactured from borosilicate 3.3 for determination of arsenic and antimony content.

➤ System consists of a 100 ml erlenmeyer with NS 29/32 joint and an absorption tube attached to erlenmeyer.

catalogue number	pack quantity
065.71.001	1 piece

ISOLAB[®]
chemicals



Committed to

Quality

ISOLAB chemicals is a registered trademark of ISOLAB Laborgeräte GmbH

distillation & filtration & separation & sample preparation



CLIPS - "for NS joints"

- Manufactured from POM with excellent chemical resistance and high mechanical strength.
- With their flexible jaws, they guarantee absolute leak-proof, tight connection of two NS joints.

catalogue number	color	NS size	pack quantity
063.04.010	black	NS 10/19	1 piece
063.04.012	purple	NS 12/21	1 piece
063.04.014	yellow	NS 14/23	1 piece
063.04.019	blue	NS 19/26	1 piece
063.04.024	green	NS 24/29	1 piece
063.04.029	red	NS 29/32	1 piece
063.04.034	orange	NS 34/35	1 piece
063.04.045	brown	NS 45/40	1 piece

JOINT SLEEVES - "PTFE"



- Manufactured from chemically inert PTFE with excellent chemical resistance, high mechanical strength and high temperature resistance between -200°C to +260°C.
- Unique flexible body form guarantees leak-proof connections of NS joints with high vacuum performance.
- Extra smooth interior finish guarantees high vacuum sealing performance without a need of any lubricant.

catalogue number	NS size	pack quantity
063.14.014	NS 14/23	1 piece
063.14.019	NS 19/26	1 piece
063.14.024	NS 24/29	1 piece
063.14.029	NS 29/32	1 piece
063.14.034	NS 34/35	1 piece
063.14.045	NS 45/40	1 piece

JOINT GREASE "standard vacuum"

- Ideal for lubricating and leak-proof sealing of all types of joints, metal and plastic connectors and stopcocks.
- Recommended to be used under standard vacuum conditions.
- Guarantees excellent chemical and temperature resistance between -40°C to +300°C.
- Non-solidifying during use. Easily washable due to water soluble characteristic.
- Best results can be achieved by application of a thin layer.
- Supplied in a tube of 30 gram lubricant weight.

catalogue number	grease color	pack quantity
063.17.001	clear	1 piece



JOINT GREASE "high vacuum"

- Ideal for lubricating and leak-proof sealing of all types of joints, metal and plastic connectors and stopcocks.
- Recommended to be used under high vacuum conditions.
- Guarantees excellent chemical and temperature resistance between -40°C to +320°C.
- Non-solidifying during use. Easily washable due to water soluble characteristic.
- Best results can be achieved by application of a thin layer.
- Supplied in a tube of 30 gram lubricant weight.

catalogue number	grease color	pack quantity
063.17.002	brown	1 piece



SEALING TAPE - "PTFE"

- Manufactured from chemically inert PTFE with excellent chemical resistance, high mechanical strength and high temperature resistance between -200°C to +260°C.
- Stretches, conforms and perfectly seals all joints, connectors, stopcocks with leak-proof tightness.

catalogue number	tape width	tape length	pack quantity
058.06.001	12 mm	10 mt	1 piece

distillation & filtration & separation & sample preparation

CONDENSERS - "liebigh" - "glass side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12576 standard. Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall, and reinforced rim prevent breakage during washing and transportation.

catalogue number	effective length	joint NS size	pack quantity
033.11.160	160 mm	NS 14/23	1 piece
033.11.250	250 mm	NS 14/23	1 piece
033.11.252	250 mm	NS 24/29	1 piece
033.11.253	250 mm	NS 29/32	1 piece
033.11.400	400 mm	NS 14/23	1 piece
033.11.402	400 mm	NS 24/29	1 piece
033.11.403	400 mm	NS 29/32	1 piece

CONDENSERS - "liebigh" - "P.P side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12576 standard. Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected to the main body preventing accidental breakage.

catalogue number	effective length	joint NS size	pack quantity
033.12.160	160 mm	NS 14/23	1 piece
033.12.250	250 mm	NS 14/23	1 piece
033.12.252	250 mm	NS 24/29	1 piece
033.12.253	250 mm	NS 29/32	1 piece
033.12.400	400 mm	NS 14/23	1 piece
033.12.402	400 mm	NS 24/29	1 piece
033.12.403	400 mm	NS 29/32	1 piece

CONDENSERS - "allihn" - "glass side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12581 standard. Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall and reinforced rim prevent breakage during washing and transportation.

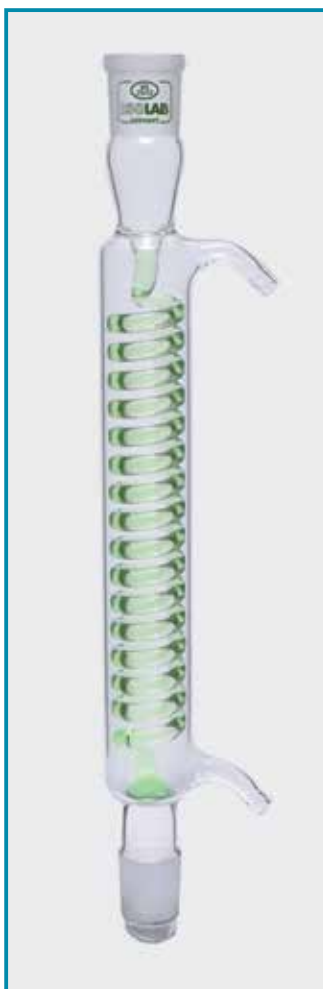
catalogue number	effective length	joint NS size	pack quantity
033.13.160	160 mm	NS 14/23	1 piece
033.13.250	250 mm	NS 14/23	1 piece
033.13.252	250 mm	NS 24/29	1 piece
033.13.253	250 mm	NS 29/32	1 piece
033.13.400	400 mm	NS 14/23	1 piece
033.13.402	400 mm	NS 24/29	1 piece
033.13.403	400 mm	NS 29/32	1 piece

CONDENSERS - "allihn" - "P.P side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12581 standard. Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected to the main body preventing accidental breakage.

catalogue number	effective length	joint NS size	pack quantity
033.14.160	160 mm	NS 14/23	1 piece
033.14.250	250 mm	NS 14/23	1 piece
033.14.252	250 mm	NS 24/29	1 piece
033.14.253	250 mm	NS 29/32	1 piece
033.14.400	400 mm	NS 14/23	1 piece
033.14.402	400 mm	NS 24/29	1 piece
033.14.403	400 mm	NS 29/32	1 piece

distillation & filtration & separation & sample preparation



CONDENSERS - "spiral" - "glass side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12592 standard.

► Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall and reinforced rim prevent breakage during washing and transportation.

catalogue number	effective length	joint NS size	pack quantity
033.15.160	160 mm	NS 14/23	1 piece
033.15.253	250 mm	NS 29/32	1 piece
033.15.403	400 mm	NS 29/32	1 piece

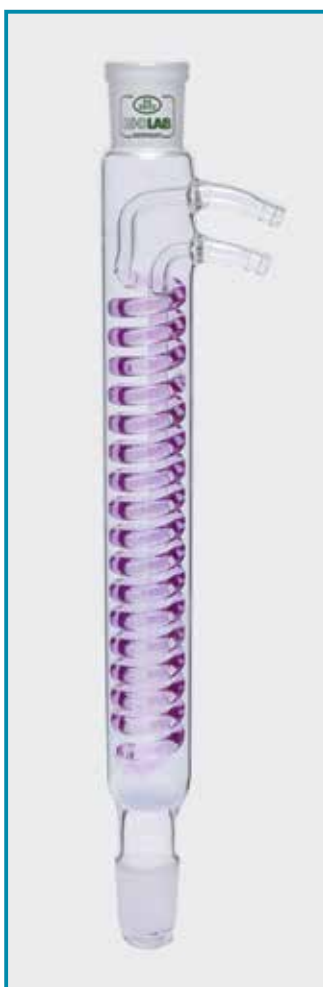
CONDENSERS - "spiral" - "P.P side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12592 standard.

► Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected preventing breakage.

► Thick wall and reinforced rim prevent breakage during washing and transportation.

catalogue number	effective length	joint NS size	pack quantity
033.16.160	160 mm	NS 14/23	1 piece
033.16.253	250 mm	NS 29/32	1 piece
033.16.403	400 mm	NS 29/32	1 piece



CONDENSERS - "dimroth" - "glass side arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12591 standard. Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall and reinforced rim prevent breakage.

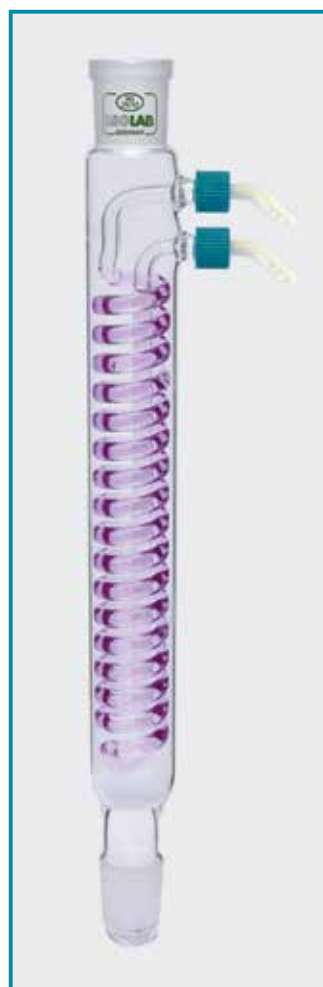
catalogue number	effective length	joint NS size	pack quantity
033.17.160	160 mm	NS 14/23	1 piece
033.17.163	160 mm	NS 29/32	1 piece
033.17.250	250 mm	NS 14/23	1 piece
033.17.253	250 mm	NS 29/32	1 piece
033.17.400	400 mm	NS 14/23	1 piece
033.17.403	400 mm	NS 29/32	1 piece

CONDENSERS - "dimroth" - "P.P side arm"

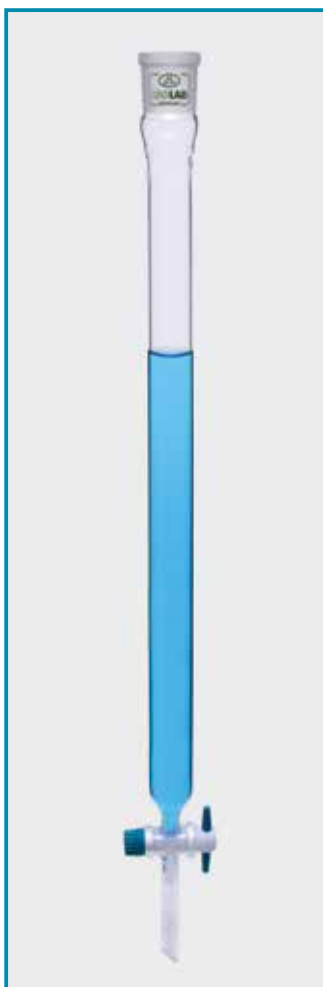
► Manufactured from heat resistant, durable borosilicate glass according to DIN 12591 standard.

► Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected preventing breakage.

catalogue number	effective length	joint NS size	pack quantity
033.18.160	160 mm	NS 14/23	1 piece
033.18.163	160 mm	NS 29/32	1 piece
033.18.250	250 mm	NS 14/23	1 piece
033.18.253	250 mm	NS 29/32	1 piece
033.18.400	400 mm	NS 14/23	1 piece
033.18.403	400 mm	NS 29/32	1 piece



distillation & filtration & separation & sample preparation



COLUMNS - "chromotography" - "w/o filter"

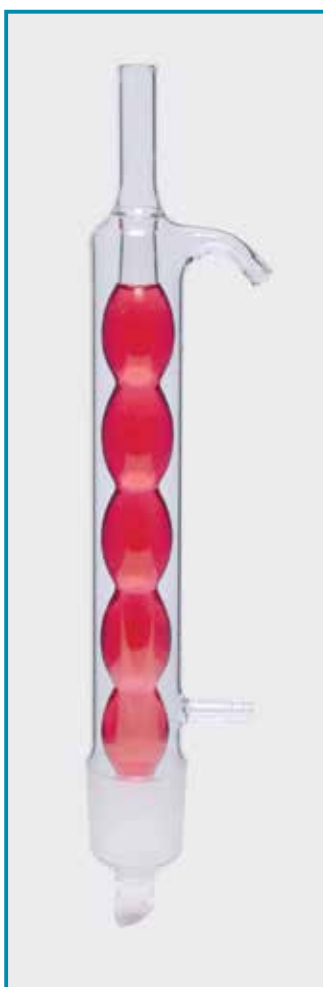
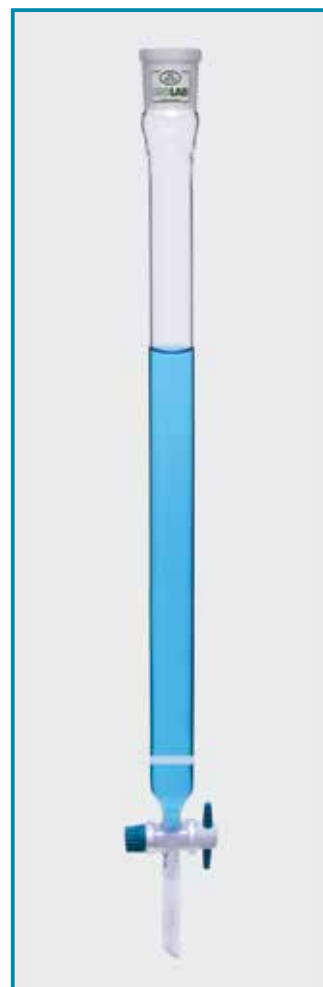
- Manufactured from borosilicate glass without filter.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- NS joints are manufactured according to DIN 12242 standard. Supplied with an interchangeable PTFE stopcock which does not require greasing at all.

catalogue number	effective length	internal diameter	socket NS size	pack quantity
066.10.001	200 mm	10 mm	NS 14/23	1 piece
066.10.003	400 mm	20 mm	NS 29/32	1 piece
066.10.004	600 mm	30 mm	NS 29/32	1 piece

COLUMNS - "chromotography" - "with filter"

- Manufactured from borosilicate glass with "pore 1" size sintered glass filter. Reinforced rim prevent breakage.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard. Supplied with an interchangeable PTFE stopcock which does not require greasing at all.

catalogue number	effective length	internal diameter	socket NS size	pack quantity
066.11.001	200 mm	10 mm	NS 14/23	1 piece
066.11.003	200 mm	15 mm	NS 14/23	1 piece
066.11.002	300 mm	10 mm	NS 14/23	1 piece
066.11.004	400 mm	20 mm	NS 29/32	1 piece
066.11.005	600 mm	30 mm	NS 29/32	1 piece



CONDENSERS - "soxhlet" - "allihn" - "glass arm"

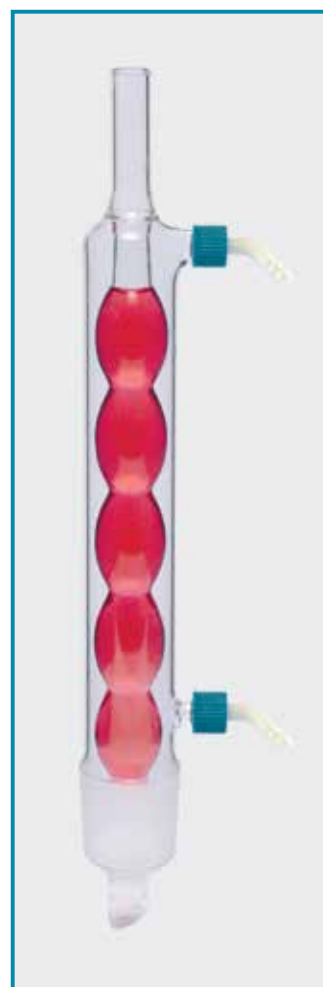
- Manufactured from heat resistant, durable borosilicate glass according to DIN 12581 standard.
- Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall and reinforced rim prevent breakage during washing and transportation.

catalogue number	for extractor volume	cone NS size	pack quantity
035.11.030	30 ml	NS 29/32	1 piece
035.11.070	70 ml	NS 34/35	1 piece
035.11.250	100 / 250 ml	NS 45/40	1 piece
035.11.500	500 ml	NS 45/40	1 piece

CONDENSERS - "soxhlet" - "allihn" - "P.P arm"

- Manufactured from heat resistant, durable borosilicate glass according to DIN 12581 standard. Thick wall, and reinforced rim prevent breakage during washing and transportation.
- Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected to the main body preventing accidental breakage.

catalogue number	for extractor volume	cone NS size	pack quantity
035.12.030	30 ml	NS 29/32	1 piece
035.12.070	70 ml	NS 34/35	1 piece
035.12.250	100 / 250 ml	NS 45/40	1 piece
035.12.500	500 ml	NS 45/40	1 piece



distillation & filtration & separation & sample preparation

CONDENSERS - "soxhlet"- "dimroth"- "glass arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12591 standard.

► Featured with glass side arms fitting 8-9 mm bore size tubings. Thick wall and reinforced rim prevent breakage during washing and transportation.

catalogue number	for extractor volume	cone NS size	pack quantity
035.13.030	30 ml	NS 29/32	1 piece
035.13.070	70 ml	NS 34/35	1 piece
035.13.250	100 / 250 ml	NS 45/40	1 piece
035.13.500	500 ml	NS 45/40	1 piece

CONDENSERS - "soxhlet"- "dimroth"- "P.P arm"

► Manufactured from heat resistant, durable borosilicate glass according to DIN 12591 standard. Thick wall and reinforced rim prevent breakage during washing and transportation.

► Featured with GL 14 screw thread polypropylene side arms fitting 8-9 mm bore size tubings. Side arms can be easily connected or disconnected to the main body preventing accidental breakage.

catalogue number	for extractor volume	cone NS size	pack quantity
035.14.030	30 ml	NS 29/32	1 piece
035.14.070	70 ml	NS 34/35	1 piece
035.14.250	100 / 250 ml	NS 45/40	1 piece
035.14.500	500 ml	NS 45/40	1 piece



EXTRACTORS "soxhlet"

► Manufactured from heat resistant, durable borosilicate glass without stopcock according to DIN 12602 standard.

► Thick wall and reinforced rim prevent breakage during washing and transportation.

► Perfectly grinded NS joint with smooth interior guarantees perfect leakproof sealing.

catalogue number	volume	pack quantity
036.01.030	30 ml	1 piece
036.01.070	70 ml	1 piece
036.01.100	100 ml	1 piece
036.01.150	150 ml	1 piece
036.01.250	250 ml	1 piece
036.01.500	500 ml	1 piece

catalogue number	socket NS size
036.01.030	NS 29/32
036.01.070	NS 34/35
036.01.100	NS 45/40
036.01.150	NS 45/40
036.01.250	NS 45/40
036.01.500	NS 45/40



EXTRACTOR THIMBLES - "cellulose"

► Manufactured from thick and 100 % pure cotton fibres for reproducible results without any harm to the samples.

► Offers high temperature resistance up to 550°C, high mechanical strength and excellent retention capacity.

► Controlled dimensional accuracy guarantees excellent fitting to the extractors body.

► Also suitable for extracting solid or liquid samples from the gases.



catalogue number	diameter	height	pack quantity
102.28.080	28 mm	80 mm	25 pieces
102.30.080	30 mm	80 mm	25 pieces
102.33.080	33 mm	80 mm	25 pieces
102.33.094	33 mm	94 mm	25 pieces
102.34.120	34 mm	120 mm	25 pieces

distillation & filtration & separation & sample preparation

ERLENMEYERS - "glass" - "ground neck"

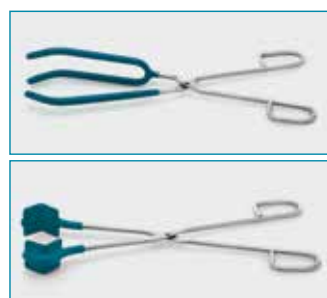


► Manufactured from heat resistant, durable borosilicate glass according to DIN EN ISO 4797 standard.

► Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

► Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

clear erlenmeyers	amber erlenmeyers	volume	neck NS size	pack quantity
028.01.050		50 ml	NS 14/23	1 piece
028.01.051		50 ml	NS 19/26	1 piece
028.01.052		50 ml	NS 24/29	1 piece
028.01.053	028.11.053	50 ml	NS 29/32	1 piece
028.01.100		100 ml	NS 14/23	1 piece
028.01.101		100 ml	NS 19/26	1 piece
028.01.102		100 ml	NS 24/29	1 piece
028.01.103	028.11.103	100 ml	NS 29/32	1 piece
028.01.250		250 ml	NS 19/26	1 piece
028.01.251		250 ml	NS 24/29	1 piece
028.01.252	028.11.252	250 ml	NS 29/32	1 piece
028.01.300		300 ml	NS 29/32	1 piece
028.01.500		500 ml	NS 19/26	1 piece
028.01.501		500 ml	NS 24/29	1 piece
028.01.502	028.11.502	500 ml	NS 29/32	1 piece
028.01.901	028.11.901	1000 ml	NS 29/32	1 piece
028.01.902	028.11.902	2000 ml	NS 29/32	1 piece



Various flasks tongs can be selected from cat. page no 52.



Various stoppers can be selected from cat. page no 69.

FLASKS - "glass" - "ground neck"



► Manufactured from heat resistant, durable borosilicate glass according to DIN EN ISO 4797 standard.

► Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

► Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.



flat bottom clear	round bottom clear	round bottom amber	volume	NS size	pack quantity
030.01.050	030.02.050		50 ml	NS 14/23	1 piece
030.01.051	030.02.051		50 ml	NS 19/26	1 piece
030.01.052	030.02.052		50 ml	NS 24/29	1 piece
030.01.053	030.02.053	030.12.053	50 ml	NS 29/32	1 piece
030.01.100	030.02.100		100 ml	NS 14/23	1 piece
030.01.101	030.02.101		100 ml	NS 19/26	1 piece
030.01.102	030.02.102		100 ml	NS 24/29	1 piece
030.01.103	030.02.103	030.12.103	100 ml	NS 29/32	1 piece
030.01.250	030.02.250		250 ml	NS 19/26	1 piece
030.01.251	030.02.251		250 ml	NS 24/29	1 piece
030.01.252	030.02.252	030.12.252	250 ml	NS 29/32	1 piece
030.01.500	030.02.500		500 ml	NS 24/29	1 piece
030.01.501	030.02.501	030.12.501	500 ml	NS 29/32	1 piece
030.01.900	030.02.900		1000 ml	NS 24/29	1 piece
030.01.901	030.02.901	030.12.901	1000 ml	NS 29/32	1 piece
030.01.902	030.02.902		2000 ml	NS 29/32	1 piece
030.01.904	030.02.904		4000 ml	NS 29/32	1 piece

distillation & filtration & separation & sample preparation



FLASKS - "2 ground neck"
"20° angled & parallel side neck"

➤ Manufactured from heat resistant, durable borosilicate glass according to DIN 12392 & DIN12394 standards.

➤ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

➤ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

flasks angled side neck	flasks parallel side neck	volume	center NS size	side NS size
030.24.050	030.30.050	50 ml	14/23	14/23
030.24.100	030.30.100	100 ml	14/23	14/23
030.24.250	030.30.250	250 ml	14/23	14/23
030.25.100	030.31.100	100 ml	24/29	14/23
030.25.250	030.31.250	250 ml	24/29	14/23
030.25.500	030.31.500	500 ml	24/29	14/23
030.25.901	030.31.901	1000 ml	24/29	14/23
030.26.100	030.32.100	100 ml	24/29	19/26
030.26.250	030.32.250	250 ml	24/29	19/26
030.26.500	030.32.500	500 ml	24/29	19/26
030.26.901	030.32.901	1000 ml	24/29	19/26
030.27.100	030.33.100	100 ml	29/32	14/23
030.27.250	030.33.250	250 ml	29/32	14/23
030.27.500	030.33.500	500 ml	29/32	14/23
030.27.901	030.33.901	1000 ml	29/32	14/23
030.27.902	030.33.902	2000 ml	29/32	14/23
030.28.100	030.34.100	100 ml	29/32	19/26
030.28.250	030.34.250	250 ml	29/32	19/26
030.28.500	030.34.500	500 ml	29/32	19/26
030.28.901	030.34.901	1000 ml	29/32	19/26
030.28.902	030.34.902	2000 ml	29/32	19/26
030.29.100	030.35.100	100 ml	29/32	29/32
030.29.250	030.35.250	250 ml	29/32	29/32
030.29.500	030.35.500	500 ml	29/32	29/32
030.29.901	030.35.901	1000 ml	29/32	29/32
030.29.902	030.35.902	2000 ml	29/32	29/32



FLASKS - "3 ground neck"
"20° angled & parallel side neck"

➤ Manufactured from heat resistant, durable borosilicate glass according to DIN 12392 & DIN12394 standards.

➤ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

➤ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

flasks angled side neck	flasks parallel side neck	volume	center NS size	side NS size
030.36.250	030.42.250	250 ml	14/23	14/23
030.37.250	030.43.250	250 ml	24/29	14/23
030.37.500	030.43.500	500 ml	24/29	14/23
030.37.901	030.43.901	1000 ml	24/29	14/23
030.38.250	030.44.250	250 ml	24/29	19/26
030.38.500	030.44.500	500 ml	24/29	19/26
030.38.901	030.44.901	1000 ml	24/29	19/26
030.38.902	030.44.902	2000 ml	24/29	19/26
030.39.250	030.45.250	250 ml	29/32	14/23
030.39.500	030.45.500	500 ml	29/32	14/23
030.39.901	030.45.901	1000 ml	29/32	14/23
030.40.250	030.46.250	250 ml	29/32	19/26
030.40.500	030.46.500	500 ml	29/32	19/26
030.40.901	030.46.901	1000 ml	29/32	19/26
030.41.250	030.47.250	250 ml	29/32	29/32
030.41.500	030.47.500	500 ml	29/32	29/32
030.41.901	030.47.901	1000 ml	29/32	29/32
030.41.902	030.47.902	2000 ml	29/32	29/32

distillation & filtration & separation & sample preparation

FLASKS - "clear" - "glass" - "pear shape"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12383 standard.
- ▶ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.
- ▶ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

catalogue number	volume	NS size	pack qty.
030.49.010	10 ml	NS 14/23	1 pc
030.49.025	25 ml	NS 14/23	1 pc
030.49.050	50 ml	NS 14/23	1 pc
030.49.100	100 ml	NS 14/23	1 pc
030.49.250	250 ml	NS 14/23	1 pc
030.52.050	50 ml	NS 29/32	1 pc
030.52.100	100 ml	NS 29/32	1 pc
030.52.250	250 ml	NS 29/32	1 pc

FLASKS - "glass" - "evaporating"



- ▶ Manufactured from heat resistant, durable borosilicate glass.
- ▶ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.
- ▶ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.
- ▶ Volume graduations and inscriptions are printed with white enamel.

catalogue number	volume	evaporating NS size	pack quantity
030.55.100	100 ml	NS 29/32	1 piece
030.55.250	250 ml	NS 29/32	1 piece
030.55.500	500 ml	NS 29/32	1 piece
030.55.901	1000 ml	NS 29/32	1 piece

FLASKS - "clear" - "glass" - "kjeldahl"



- ▶ Manufactured from heat resistant, durable borosilicate glass according to DIN 12360 standard.
- ▶ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.
- ▶ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

catalogue number	volume	NS size	pack qty.
030.57.100	100ml	NS 19/26	1 pc
030.57.250	250ml	NS 29/32	1 pc
030.57.500	500ml	NS 29/32	1 pc
030.57.750	750ml	NS 29/32	1 pc
030.57.901	1000ml	NS 29/32	1 pc

FLASKS - "receiving"



- ▶ Manufactured from heat resistant, durable borosilicate glass.
- ▶ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.
- ▶ Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

catalogue number	volume	receiving NS size	pack quantity
030.56.100	100 ml	KS 35	1 piece
030.56.250	250 ml	KS 35	1 piece
030.56.500	500 ml	KS 35	1 piece
030.56.901	1000 ml	KS 35	1 piece

CLIPS - "for receiving flasks"

- ▶ Manufactured from stainless steel with excellent chemical resistance and superior mechanical strength.
- ▶ Perfect tools to keep two KS joints fastened firmly to each other.

catalogue number	pack quantity
063.05.001	1 piece



distillation & filtration & separation & sample preparation

FLASKS - "clear" - "glass" - "nitrogen"



► Manufactured from heat resistant, durable borosilicate glass according to DIN and ISO standards. Featured with an 25° angle PTFE stopcock.

► Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

► Perfectly grinded NS necks with smooth interior guarantee excellent leak-proof closure.

catalogue number	volume	neck NS size	pack quantity
030.58.025	25 ml	NS 14/23	1 piece
030.58.050	50 ml	NS 14/23	1 piece
030.58.100	100 ml	NS 14/23	1 piece
030.58.250	250 ml	NS 14/23	1 piece
030.59.050	50 ml	NS 29/32	1 piece
030.59.100	100 ml	NS 29/32	1 piece
030.59.250	250 ml	NS 29/32	1 piece
030.59.500	500 ml	NS 29/32	1 piece
030.59.901	1000 ml	NS 29/32	1 piece



CLIPS - "for NS joints"

► Manufactured from POM with excellent chemical resistance and high mechanical strength.

► With their flexible jaws, they guarantee absolute leak-proof, tight connection of two NS joints.

catalogue number	color	NS size	pack quantity
063.04.010	black	NS 10/19	1 piece
063.04.012	purple	NS 12/21	1 piece
063.04.014	yellow	NS 14/23	1 piece
063.04.019	blue	NS 19/26	1 piece
063.04.024	green	NS 24/29	1 piece
063.04.029	red	NS 29/32	1 piece
063.04.034	orange	NS 34/35	1 piece
063.04.045	brown	NS 45/40	1 piece

FLASK STANDS - "P.P"

► Manufactured from best quality heat resistant, polypropylene for holding round bottom flasks.

► Unique wall design offers an excellent support at every point of contact.

► Easily stackable due to the tapered body form for reducing storage space.

catalogue number	for flasks volume	pack quantity
029.14.902	100 - 2000 ml	1 piece



FLASK STANDS - "cork"

► Manufactured from best quality heat resistant, non-porous, natural cork for holding round bottom flasks.

► Unique wall design offers an excellent support at every point of contact.

catalogue number	recommended flask volume	pack quantity
029.04.001	50 - 100 ml	1 piece
029.04.002	250 - 500 ml	1 piece
029.04.003	1000 - 2000 ml	1 piece
029.04.004	4000 - 10000 ml	1 piece



distillation & filtration & separation & sample preparation



WATER STILLS - "basic"

- Offers space saving, and practical design with economical energy and water consumption. Supplies laboratory grade, distilled water free off pyrogen.
- Double walled interior chamber is manufactured from cavitation-proof, seamless, corrosion resistant stainless steel.
- Interior chamber should always be kept clean for consistent supply of pure water. Easily removable condenser unit enables fast and efficient cleaning of the chamber.
- Integrated low water protection system turns off heating in case lack of water. Integrated over temperature protection system turns off heating in case of a sudden increase of heat.
- Automatic circuit breakers ensure user safety in case of over temperature and over current problems.

catalogue no	623.01.004	623.01.008
dimensions (mm)	380 x 290 x 580	380 x 365 x 640
voltage (V)	220	220
frequency (Hz)	50 / 60	50 / 60
heating power (W)	3000	6000
output capacity (L/hr)	3,5	7,5
cooling water usage (L/hr)	30 - 50	60 - 80
controler	hydraulic thermostat	
safety devices	over temperature breaker water level switch	
water conductivity	~ 2,3 μ S	



WATER STILLS - "automatic"

- Offers many advantages with fully automatic operation, space saving unique design economical energy and water consumption. Supplies laboratory grade, distilled water free off pyrogen.
- Built-in large storage tank stores the produced water. Double walled interior chamber is manufactured from cavitation-proof, corrosion resistant stainless steel.
- Interior chamber should always be kept clean for consistent pure water quality. Easily removable condenser unit enables fast and efficient cleaning of the chamber.
- Pre-filter system prevents undesired impurities to enter.
- Integrated low water protection system turns off heating in case of low water inlet or lack of water supplied.
- Integrated over temperature protection system turns off heating in case of a sudden increase of heat.

catalogue no	623.02.004	623.02.008
dimensions (mm)	740 x 345 x 515	680 x 360 x 650
voltage (V)	220	220
frequency (Hz)	50 / 60	50 / 60
heating power (W)	3000	6000
output capacity (L/hr)	4	8
storage capacity (L)	8	14
cooling water usage (L/hr)	30 - 50	60 - 80v
controler	hydraulic thermostat	
safety devices	temperature breaker, water level switch water float level sensor	
water conductivity	~ 2,3 μ S	

PRE - FILTER

- Pre-filter system prevents undesired impurities and built-in large storage tank stores the produced water.
- Filter part in the pre-filter system should be controlled often and should be immediately replaced in case of dirt.

catalogue number	pack quantity
623.11.110	1 piece



distillation & filtration & separation & sample preparation

ROTARY EVAPORATORS - "vertical"



- Featured with motorised quick-action lift that automatically raises the evaporation flask from the bath in case of any power failure.
- Chemical-resistant double PTFE system and patented pressure spring guarantees an excellent sealing during operation.
- Easy to read large digital LCD screen displays heating temperature, rotation speed, time and other parameters.
- Patented condenser design with 1.500 cm² effective cooling capacity guarantees excellent cooling effect.
- Unique motor action enabling selective rotation of the evaporation flask as clockwise or anti-clockwise movement guarantees effective results.
- Featured with an adjustable final position recognition system for protection of the glass parts from breakage.
- Timer function with time setting range 1 - 999 minute enables precise control of the operation.
- Supplied with a large, stainless steel 5 L water-oil bath with precise temperature control from ambient to 180°C.
- An automatic over-heat protection system automatically stops heating if the bath temperature exceeds 220°C.



Integrated operating panel for convenient control of the main unit and also the heating bath.

Unique design of the detachable operating panel enables remote control option and easy use of the panel outside the fume hood.



Featured with an adjustable final position recognition system for protection of the glass parts from breakage. Unique push-off device to release the flask and protect it from breaking.

Chemical-resistant double PTFE system and patented pressure spring guarantees an excellent sealing during operation.

Optimal interval operation offers dual action in clockwise and counter clockwise for the drying process.

catalogue no (Vertical)	605.01.001
dimensions / weight (mm / kg)	465 x 457 x 583 / 15,0
power (W)	1400
voltage (V)	220
frequency (Hz)	50 / 60
heating range (°C)	ambient +5 to 180
heating accuracy (°C)	± 1,0
speed range (rpm)	20 - 280
speed & temp. & time display	LCD
time setting range (min)	1 - 999
rotation direction	reversible
protection class	IP 20
USB interface	yes

spare parts for rotary evaporator

catalogue number	product descriptions	pack quantity
605.01.101	vertical condenser	1 piece
605.01.115	diagonal condenser	1 piece
605.01.102	evaporating flask 50 ml	1 piece
605.01.103	evaporating flask 100 ml	1 piece
605.01.104	evaporating flask 250 ml	1 piece
605.01.105	evaporating flask 500 ml	1 piece
605.01.106	evaporating flask 1000 ml	1 piece
605.01.107	evaporating flask 2000 ml	1 piece
605.01.108	receiving flask 100 ml	1 piece
605.01.109	receiving flask 250 ml	1 piece
605.01.110	receiving flask 500 ml	1 piece
605.01.111	receiving flask 1000 ml	1 piece
605.01.112	foam brake	1 piece
605.01.113	vapor tube	1 piece
605.01.114	connection seal	1 piece

distillation & filtration & separation & sample preparation



FUNNELS
"glass" - "plain"

➤ Manufactured from heat resistant, durable borosilicate glass with short stem according to ISO 4798 standard.

➤ 60° cone filtering angle guarantees excellent adaptation of the filter papers.

catalogue number	funnel diameter	pack quantity
041.01.040	40 mm	10 pieces
041.01.060	60 mm	10 pieces
041.01.080	80 mm	10 pieces
041.01.100	100 mm	10 pieces
041.01.120	120 mm	6 pieces
041.01.150	150 mm	6 pieces



FUNNELS
"PP" - "plain"

➤ Manufactured from translucent polypropylene with short stem according to ISO 4798 standard.

➤ 60° cone filtering angle guarantees excellent adaptation of the filter papers.

catalogue number	funnel diameter	pack quantity
041.02.040	40 mm	1 piece
041.02.060	60 mm	1 piece
041.02.080	80 mm	1 piece
041.02.100	100 mm	1 piece
041.02.120	120 mm	1 piece
041.02.150	150 mm	1 piece



FUNNELS
"glass" - "analytical"

➤ Manufactured from borosilicate glass with long stem according to ISO 4798 standard.

➤ 60° cone filtering angle guarantees excellent adaptation of the filter papers.

➤ Internal helicoid ribs increase the filtering speed also prevent back pressure and airlocks.

glass funnel	funnel diameter	pack quantity
041.03.080	80 mm	1 piece



FUNNELS
"PP" - "analytical"

➤ Manufactured from translucent polypropylene with short stem according to ISO 4798 standard.

➤ 60° cone filtering angle guarantees excellent adaptation of the filter papers.

➤ Internal helicoid ribs increase the filtering speed also prevent back pressure and airlocks.

PP funnel	funnel diameter	pack quantity
041.04.080	80 mm	1 piece



FUNNELS - "powder" - "PP & glass"

➤ Manufactured from polypropylene or from borosilicate glass specially for transferring powders.

➤ Stem guarantees perfect fit to the flask necks and large bore diameter guarantees fast delivery of the material.

funnel diameter	PP funnels	glass funnels	cone NS size	pack quantity
65 mm	041.07.065	041.08.060	14/23	1 piece
80 mm	041.07.080	041.08.080	19/26	1 piece
100 mm	041.07.100	041.08.100	24/29	1 piece
120 mm	041.07.120	041.08.120	29/32	1 piece
150 mm	041.07.150			1 piece



FUNNELS - "polypropylene" - "ribbed"



➤ Manufactured from translucent polypropylene with short stem according to ISO 4798 standard.

➤ Helicoid ribs increase the filtering speed also prevent back pressure and airlocks.

➤ 60° cone angle for perfect adaptation of the filter papers.

catalogue number	funnel diameter	pack quantity
041.05.040	40 mm	1 piece
041.05.060	60 mm	1 piece
041.05.080	80 mm	1 piece
041.05.100	100 mm	1 piece
041.05.120	120 mm	1 piece
041.05.150	150 mm	1 piece

distillation & filtration & separation & sample preparation



FUNNELS HOLDERS "steel" - "without bosshead"

➤ Manufactured from high quality, corrosion resistant chromated steel for holding all kinds of funnels up to 150 mm diameter in the most secure way.

➤ Unique ring shape with a slit offers practical use also with separating funnels.

catalogue number	holder diameter	pack quantity
042.03.040	40 mm	1 piece
042.03.060	60 mm	1 piece
042.03.080	80 mm	1 piece
042.03.100	100 mm	1 piece



FUNNELS HOLDERS "steel" - "with bosshead"

➤ Manufactured from high quality, corrosion resistant chromated steel for holding all kinds of funnels up to 150 mm diameter in the most secure way.

➤ Ring with slit offers use also with separating funnels.

➤ The boss head mounted to the stem enables fast and easy attachment of the funnel holder to the stand rods.

catalogue number	holder diameter	pack quantity
042.04.040	40 mm	1 piece
042.04.060	60 mm	1 piece
042.04.080	80 mm	1 piece
042.04.100	100 mm	1 piece



FUNNELS HOLDER "polypropylene" - "without slit"

➤ Manufactured from polypropylene for holding all kinds of funnels from 60 mm up to 150 mm diameter in the most secure way.

➤ Two tapered wedges in the locking system are used to ensure firm grip on rods of diameter range 10 mm to 13 mm.



Funnel holder without slit consists of 2 parts.

catalogue number

042.05.001

pack quantity

1 piece



FUNNELS HOLDER "polypropylene" - "with slit"

➤ Manufactured from polypropylene for holding all kinds of funnels from 60 mm up to 150 mm diameter in the most secure way.

➤ Specially recommended to be used with separating funnels.

➤ Two tapered wedges in the locking system are used to ensure firm grip on rods of diameter range 10 mm to 13 mm.



Funnel holder with slit consists of 1 part.

catalogue number

042.06.001

pack quantity

1 piece



FUNNELS HOLDER "steel" - "adjustable height"

➤ Manufactured from high quality, corrosion resistant chromated steel for holding all kinds of funnels up to 150 mm diameter in the most secure way.

➤ The extendable funnel ring guarantees practical use with different funnel heights.

catalogue number

042.06.010

pack quantity

1 piece

distillation & filtration & separation & sample preparation



FLASKS - "filter"
"glass" - "glass side arm"

- Manufactured from borosilicate glass according to ISO 6556 standard.
- Featured with glass side arm fitting 6-10 mm bore size tubings.
- Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

catalogue number	volume	pack quantity
040.01.100	100 ml	1 piece
040.01.250	250 ml	1 piece
040.01.500	500 ml	1 piece
040.01.901	1000 ml	1 piece
040.01.902	2000 ml	1 piece



FLASKS - "filter"
"glass" - "P.P side arm"

- Manufactured from borosilicate glass according to ISO 6556 standard.
- Featured with GL 14 screw thread P.P side arm fitting 6-10 mm bore size tubings. Side arms can be easily connected or disconnected to the body preventing accidental breakage.

catalogue number	volume	pack quantity
040.02.100	100 ml	1 piece
040.02.250	250 ml	1 piece
040.02.500	500 ml	1 piece
040.02.901	1000 ml	1 piece
040.02.902	2000 ml	1 piece



PROTECTIVE COLLARS
"for filter flasks"

- Manufactured from natural rubber with a special design that keeps the funnel and filtering flask always in center.
- These adapters also provide all-round protection reducing impact damages.
- Also clean seal is created between the flask rim and the funnel neck.

catalogue number	for flask volume	pack quantity
040.05.001	100 ml	1 piece
040.05.002	250 - 500 ml	1 piece
040.05.003	1000 ml	1 piece
040.05.004	2000 ml	1 piece



FUNNELS - "büchner"
"porcelain" - "P.P"

- Porcelain büchner funnels are manufactured from thick and robust glazed porcelain according to DIN 12905 to be used with filter funnels. Support plate with holes holds the filter paper allows maximum filtering speed.
- Polypropylene büchner funnels are manufactured from polypropylene with a perforated filter plate. The upper part can be stacked with the lower part to form a vacuum seal. Upper and lower parts can be separated for efficient cleaning.

funnels porcelain	funnels P.P	inner diameter	pack quantity
042.01.070	042.02.070	75 mm	1 piece
042.01.090	042.02.090	90 mm	1 piece
042.01.110	042.02.110	110 mm	1 piece



distillation & filtration & separation & sample preparation

FUNNELS - "gooch" - "glass" "with sintered glass disc"



➤ Manufactured from heat resistant, durable borosilicate glass with an acid resistant sintered glass disc for filtration.

➤ Guarantees an easy and fast filtering without the need of any kind of filter paper.

➤ Heavy and thick body construction and reinforced rim prevent breakage during washing and transportation.

catalogue number	nominal volume	porosity grade	type	pack quantity
043.01.051	50 ml	1	3 D	1 piece
043.01.052	50 ml	2	3 D	1 piece
043.01.053	50 ml	3	3 D	1 piece
043.01.054	50 ml	4	3 D	1 piece
043.01.071	75 ml	1	11 D	1 piece
043.01.072	75 ml	2	11 D	1 piece
043.01.073	75 ml	3	11 D	1 piece
043.01.074	75 ml	4	11 D	1 piece
043.01.121	125 ml	1	17 D	1 piece
043.01.122	125 ml	2	17 D	1 piece
043.01.123	125 ml	3	17 D	1 piece
043.01.124	125 ml	4	17 D	1 piece
043.01.501	500 ml	1	25 D	1 piece
043.01.502	500 ml	2	25 D	1 piece
043.01.503	500 ml	3	25 D	1 piece
043.01.504	500 ml	4	25 D	1 piece



CRUCIBLES - "gooch" - "glass" - "with sintered glass disc"



➤ Manufactured from heat resistant, durable borosilicate glass with an acid resistant sintered glass disc for filtration.

➤ Guarantees an easy and fast filtering without the need of any kind of filter paper.

➤ Heavy and thick body construction and reinforced rim prevent breakage during washing and transportation.

crucibles sint. glass	porosity grade	nominal volume	diameter	pack quantity
043.02.031	1	30 ml	30 mm	1 piece
043.02.032	2	30 ml	30 mm	1 piece
043.02.033	3	30 ml	30 mm	1 piece
043.02.034	4	30 ml	30 mm	1 piece
043.02.051	1	50 ml	40 mm	1 piece
043.02.052	2	50 ml	40 mm	1 piece
043.02.053	3	50 ml	40 mm	1 piece
043.02.054	4	50 ml	40 mm	1 piece



GASKETS - "natural rubber"

➤ Manufactured from natural rubber with conical body form. Designed to fit Buchner funnels and Gooch funnels.

➤ Can be used also reverse cleaning of filter crucibles and as a support to standard funnels.

➤ Conical body form guarantees perfect fitting of funnels, filter funnels and crucibles to the filter flask necks.

➤ Supplied as a set of 7 different size adapters which guarantee perfect fit to all filter funnel necks with different volume sizes.



catalogue number
040.06.001

pack quantity
1 set

CRUCIBLES - "gooch" - "porcelain" - "with perforated base"

➤ Manufactured from glazed porcelain with perforated bottom layer.

➤ The crucible body form guarantees perfect fit to "GUKO" adapters.

crucibles sint. glass	nominal volume	diameter x height	pack quantity
043.08.015	15 ml	29 x 33 mm	6 pieces
043.08.030	25 ml	36 x 45 mm	6 pieces
043.08.050	40 ml	40 x 50 mm	6 pieces

distillation & filtration & separation & sample preparation

VACUUM MANIFOLDS - "stainless steel"



➤ Vacuum manifolds allow filtration of multiple samples either at once or independently by controlling the separate branch valves. Suitable to be used with 47/50 mm diameter membrane filters.

➤ Body and the funnels are manufactured from AISI 304 quality stainless steel to be used at food, beverage, pharmaceutical and water quality laboratories.

➤ The main body is featured with handles on both sides for easy hold and carriage.

➤ Stainless steel funnels has a volume capacity of 500 ml. They can be used for sample volumes from 50 ml up to 500 ml.

➤ Volume graduation inside walls of the funnels offer practical volume indication of the sample.

➤ Attachment and removal of the funnels can be easily achieved with the attached closure clamp.

➤ Closure clamps under each funnel once closed guarantee perfect and vacuum tight sealing.

➤ The stainless steel frit filter support ensures a uniform distribution of the residues.

➤ All parts of vacuum filter set are fully autoclavable. They can also flame sterilized except o-rings.

➤ Vacuum manifolds are supplied with a cap for each funnel.



Volume graduation inside walls of the funnels offer practical volume indication of the sample.



Closure clamps under each funnels once closed guarantee perfect and vacuum tight sealing.



The stainless steel frit filter supports 47/50 mm diameter ensures a uniform distribution.

catalogue number	manifold model	pack quantity
043.05.101	1 station	1 piece
043.05.103	3 stations	1 piece
043.05.106	6 stations	1 piece



FILTER FLASK "for vacuum system"

➤ Manufactured from borosilicate glass according to ISO 6556 standard with a volume of 2000 ml. Featured with GL 14 screw thread polypropylene side arms fitting 6-10 mm bore size tubings.

➤ Side arms can be easily connected or disconnected for easy use.

FILTER BOTTLE "for vacuum system"

➤ Manufactured from borosilicate glass according to ISO 6556 standard with a volume of 5000 ml. Featured with GL 14 screw thread polypropylene side arms fitting 6-10 mm bore size tubings.

➤ Side arms can be easily connected or disconnected for easy use.

filter flask	filter bottle	pack quantity
043.06.001	043.06.011	1 piece





VACUUM FILTER SET

➤ Manufactured from borosilicate glass particularly suitable for analysis of microscopic residues, particle controls and multipurpose filtration application.

➤ Thick wall, heavy base and reinforced rim prevent breakage during washing and transportation.

➤ Suitable to be used with 47/50 mm diameter membrane filters.

➤ Supplied with filter funnel of 300 ml volume capacity, support base with sintered disc, vacuum connection side arm, connecting clamp and 1000 ml flask.

catalogue number	vacuum flask	pack quantity
043.03.001	1000 ml	1 piece



VACUUM FLASK

➤ Manufactured from borosilicate glass with thick walls resistant to vacuum applications with NS 29/32 reverse joint.

catalogue number	flask volume	pack quantity
043.03.005	1000 ml	1 piece
043.03.007	2000 ml	1 piece



CLAMP

➤ Manufactured from aluminium for tight closure of the support base with sinter plate to the filter funnel.

catalogue number	pack quantity
043.03.002	1 piece



FILTER FUNNEL

➤ Manufactured from borosilicate glass for excellent fit to the top of the support part.

catalogue number	funnel volume	pack quantity
043.03.003	300 ml	1 piece
043.03.006	500 ml	1 piece



SUPPORT BASE

➤ Manufactured from borosilicate glass with excellent fit to the bottom of the filter funnel with a glass filter disc plate.

catalogue number	pack quantity
043.03.004	1 piece

distillation & filtration & separation & sample preparation



FILTER PAPERS - "quantitative"

- Quantitative papers are recommended for analytical and gravimetric analysis.
- Manufactured first from high quality 100% cellulose fibres. They are further treated with dilute acid to remove any remaining organic or inorganic impurities. As the last step they are washed and cleaned with demineralised water.
- They guarantee low ash content around less than 0,01% and around 95% alpha-cellulose amount.

M. Nagel cat. no	ISOLAB cat. no	color code	filtration speed	diameter	pack quantity
105.01.110	105.11.110	blue	slow	110 mm	100 pieces
105.02.110	105.12.110	white	medium	110 mm	100 pieces
105.03.110	105.13.110	black	fast	110 mm	100 pieces
105.01.125	105.11.125	blue	slow	125 mm	100 pieces
105.02.125	105.12.125	white	medium	125 mm	100 pieces
105.03.125	105.13.125	black	fast	125 mm	100 pieces



FILTER PAPERS - "general purpose"

- Manufactured from high quality 100% cellulose with a good humidity resistance and relatively high absorption capacity.
- Suitable for general laboratory filtrations. Alternatively, can also be used as a bench protector or pharmaceutical product preparation.

catalogue number	paper dimensions	paper specifications	pack quantity
107.40.140	40 x 40 cm	60 gr / m ²	250 pieces
107.58.158	58 x 58 cm	60 gr / m ²	250 pieces



FILTER PAPERS - "qualitative"

- Qualitative papers are recommended for routine separation work.
- They are manufactured from high quality 100% cellulose fibres for consistent filtration speed, loading capacity and wet strength.
- They guarantee low ash content around less than 0,1% and around 59% alpha-cellulose amount.

M. Nagel cat. no	ISOLAB cat. no	grade	filtration speed	diameter	pack quantity
106.01.110	106.11.110	No:2	slow medium	110 mm	100 pieces
106.02.110	106.12.110	No:1	medium	110 mm	100 pieces
106.03.110	106.13.110	No:4	fast	110 mm	100 pieces
106.01.125	106.11.125	No:2	slow medium	125 mm	100 pieces
106.02.125	106.12.125	No:1	medium	125 mm	100 pieces
106.03.125	106.13.125	No:4	fast	125 mm	100 pieces



FORCEPS - "for filter papers"

- Manufactured from high quality, chemical and corrosion resistant AISI 304 grade stainless steel.
- Most commonly used forceps for placing and picking filter papers during filtering process.
- Robust and seamless construction guarantees long life cycle.
- Grid lines on the middle part enable safe and easy handling.

catalogue number	total length	pack quantity
048.04.001	120 mm	1 piece



PUMPS - "vacuum & pressure"

- Ideal pumps for all kinds of filtration applications and also for air sampling, suspended solid tests, vacuum distillation, gel drying, chromatography applications.
- Can be used simultaneously both as a vacuum pump and as a pressure pump for pressure supply.
- Piston driven, belt free motor does not need any oil or lubricant and offers continuous oil free pumping.
- Siliconised rubber feet holds the pumps on the bench surface.
- Unique design of the pump guarantees maintenance free and long life cycle with minimum noise level less than 50dB.
- Filter barrier in the air exchange compartment of the pump enables clean air cycling at all times.
- Vacuum and pressure indicator at model 622.12.001 shows operational vacuum and pressure values at all times.
- Thermal protection system for overheating guarantees automatic stop in case of over heat during process.

catalogue number	maximum flow rate	maximum vacuum	maximum pressure	tube thread	motor power	total weight	vacuum & pressure indicator	dimensions
622.11.001	15 L/min.	250 mbar	30 Psi	6 mm	75 watt	4 kg	non	195x98x156 mm
622.12.001	30 L/min.	200 mbar	30 Psi	6 mm	160 watt	8 kg	yes	210x160x235 mm



WATER JET PUMP "polypropylene"

- Manufactured from polypropylene for continuous filtering applications.
- Suitable to operate under 10 kg/cm² water pressure.
- Featured with a non-return valve that eliminates water back flow.
- Easily dismantled for effective cleaning.
- Can be used also as a simple vacuum pump.

catalogue number	pack quantity
040.10.001	1 piece



NON-RETURN VALVE - "polypropylene"

- Manufactured from polypropylene for usage with tubing connections and vacuum systems.
- Prevents water back flow when the pressure declines. Useful for any tubing system and vacuum line.
- Max. safe working pressure at ambient temperature: 2,0 bar. Min. safe working pressure at ambient temperature: 0,07 bar.

catalogue number	tube diameter	pack quantity
040.10.005	8 - 11 mm	1 piece

distillation & filtration & separation & sample preparation



FUNNELS - "separating"
"squib" - "graduated"

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS size	pack quantity
031.02.050	50 ml	NS 19/26	1 piece
031.02.100	100 ml	NS 19/26	1 piece
031.02.250	250 ml	NS 29/32	1 piece
031.02.500	500 ml	NS 29/32	1 piece
031.02.901	1000 ml	NS 29/32	1 piece
031.02.902	2000 ml	NS 29/32	1 piece



FUNNELS - "separating"
"conical" - "graduated"

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS size	pack quantity
031.04.050	50 ml	NS 19/26	1 piece
031.04.100	100 ml	NS 19/26	1 piece
031.04.250	250 ml	NS 29/32	1 piece
031.04.500	500 ml	NS 29/32	1 piece
031.04.901	1000 ml	NS 29/32	1 piece
031.04.902	2000 ml	NS 29/32	1 piece



FUNNELS - "separating"
"cylindrical" - "graduated"

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS size	pack quantity
031.06.050	50 ml	NS 19/26	1 piece
031.06.100	100 ml	NS 19/26	1 piece
031.06.250	250 ml	NS 29/32	1 piece
031.06.500	500 ml	NS 29/32	1 piece
031.06.901	1000 ml	NS 29/32	1 piece



**FUNNELS - "dropping"
"conical" - "graduated"**

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS	cone NS	pack quantity
032.01.050	50 ml	19/26	29/32	1 piece
032.01.100	100 ml	19/26	29/32	1 piece
032.01.250	250 ml	29/32	29/32	1 piece
032.01.500	500 ml	29/32	29/32	1 piece
032.01.901	1000 ml	29/32	29/32	1 piece



**FUNNELS - "dropping"
"cylindrical" - "graduated"**

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage during washing and transportation.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS	cone NS	pack quantity
032.02.050	50 ml	19/26	29/32	1 piece
032.02.100	100 ml	19/26	29/32	1 piece
032.02.250	250 ml	29/32	29/32	1 piece
032.02.500	500 ml	29/32	29/32	1 piece
032.02.901	1000 ml	29/32	29/32	1 piece



**FUNNELS - "dropping"
"cylindrical" - "graduated"
"with relief tube"**

- Manufactured from heat resistant, durable borosilicate glass with graduation marks printed on the body according to ISO 4800.
- Thick wall and reinforced rim prevent breakage.
- Perfectly grinded NS necks with smooth interior are manufactured according to DIN 12242 standard.
- Volume graduations and inscriptions are printed with white enamel.
- Supplied with P.E stopper and an interchangeable PTFE stopcock which does not require greasing.

catalogue number	volume	neck NS	cone NS	pack quantity
032.03.050	50 ml	19/26	29/32	1 piece
032.03.100	100 ml	19/26	29/32	1 piece
032.03.250	250 ml	29/32	29/32	1 piece
032.03.500	500 ml	29/32	29/32	1 piece
032.03.901	1000 ml	29/32	29/32	1 piece

distillation & filtration & separation & sample preparation

CENTRIFUGE - "mini"



- Compact and easy to use personal centrifuge for quick spin downs, micro-filter cell separations, and HPLC samples.
- Durable transparent and UV resistant polycarbonate lid and ABS resin body.
- DC motor accelerates the rotor to the set speed with low vibration and also with a quiet operation less than 45 dB noise level.
- Starts and reaches a maximum speed of 7.000 rpm in seconds.
- Multi voltage design guarantees stable running and high accuracy of speed.
- Featured with a door interlock system for extra safety.
- For user safety electronic brake immediately stops when lid opens.
- Rotor is seated on a tapered shaft which enables tool-free, fast and easy exchange.
- Supplied with two rotors and adapters to accommodate 0,5 ml and 1,5 ml and 2 ml tubes and also PCR tubes.



6 cavity rotor designed for 1,5 & 2.0 ml tubes directly.



16 cavity rotor designed for 0,2 ml PCR tubes which can also hold 2 x 8 PCR strips.

catalogue no	603.01.001
dimensions / weight (mm / kg)	175 x 140 x 117 / 0,5
voltage (V)	100 - 240
frequency (Hz)	50 / 60
speed (rpm)	7000
maximum RCF (xg)	2680
noise level (dB)	< 45
run time	continuous operation
rotor capacity	0,2 / 0,5 / 1,5 / 2,0 ml x 6 0,2 ml x 16 PCR strips 0,2 ml x 2 PCR 8 strips
standard accessories	16 cavity & 6 cavity rotors & adapters



Easy to start: Close the lid, the rotor starts and instantly reaches 7.000 rpm.



Easy to stop: Open the lid, the electrical brake immediately stops the rotor.

CENTRIFUGE - "mini" - "high speed"



- Ideal centrifuge for fast spins for higher RCF requirement, for PCR protocols, for microfilter cell separations, clinical applications and HPLC protocols.
- Offers memory function up to 10 different programs.
- Featured with an explosion proof and fully enclosed strong inner structure for full safety.
- Brushless DC motor accelerates the rotor to the set speed with low vibration and also with a quiet operation less than 56 dB noise level.
- Air evacuation system ensures free air flow during high speed to prevent samples being over heated.
- User friendly large LCD display enables easy setting and reading of the functional parameters.
- Both RPM and RCF can be set and displayed. The parameters can be modified after the set speed is reached.
- Metal casing with low gravity, provides stable and reliable running at maximum speed.
- Starts and reaches the maximum speed of 15.000 rpm with max 15.100 RCF in seconds. Speed can be set with an accuracy of +/- 20 rpm.
- Timer can be set from 30 seconds to 99 minutes or continuous running. Timer starts once the target speed is reached for more accurate operation time.
- Offers quick spins by pressing and holding the "pulse" key.
- Multi voltage design guarantees stable running and high accuracy of speed.
- Featured with a dual door interlock system for twice safety. Electronic brake immediately stops when lid opens for user safety.
- Lid is released automatically when the rotor stops.
- Rotor is sealed on a tapered shaft which enables tool-free, fast and easy exchange.
- Supplied with a 12 cavity rotor designed for 1,5&2.0 ml tubes directly.



User friendly large LCD display enables easy setting and reading of the functional parameters. Both RPM and RCF can be set and displayed.



High strength plastic rotor with excellent balance offers a stable operation. 12 cavity rotor designed for 1,5 & 2.0 ml tubes directly.

catalogue no	603.02.001
dimensions / weight (mm / kg)	255 x 245 x 140 / 6,0
voltage (V)	100 - 240
frequency (Hz)	50 / 60
maximum speed (rpm)	15000
maximum RCF (xg)	15100
speed accuracy (rpm)	± 20
increment (rpm)	100
noise level (dB)	< 56
run time	timer & continuous operation
rotor capacity	1,5 / 2,0 ml x 12
standard accessories	12 cavity rotors
safety devices	door interlock over speed detection over temperature detection automatic internal diagnosis

distillation & filtration & separation & sample preparation



CENTRIFUGE - "clinical"

- Ideal centrifuge for fast separation of serum, plasma, urea, blood samples and other routine applications in medical, research and chemical laboratories.
- Explosion proof and marked as CE, cTUVus, and FCC. MCA test according to IEC/EN61010-2-10.
- Brushless DC motor accelerates the rotor to the set speed with low vibration and also with a quiet operation less than 56 dB noise level.
- User friendly large LCD display enables easy setting and reading of the functional parameters.
- Both RPM and RCF can be set and displayed. The parameters can be modified after the set speed is reached.
- Starts and reaches a maximum speed of 4.500 rpm with max 2.490 RCF in seconds. Speed can be set with an accuracy of +/- 20 rpm.
- Metal casing with low gravity, provides stable and reliable running at maximum speed.
- Timer can be set from 30 seconds to 99 minutes or continuous running. Timer starts once the target speed is reached for more accurate operation time.
- Short spin function is used for quick spins by pressing and holding the "pulse" key.
- Multi voltage design guarantees stable running and high accuracy of speed.
- Featured with a dual door interlock system for twice safety.
- Electronic brake immediately stops when lid opens for user safety. Lid is released automatically when the rotor stops.
- The unique design guarantees stable running and high accuracy of the speed. High strength rotor and excellent balance technology guarantees a quiet and stable operation.
- Delivered complete with a 8 cavity angled rotor and suitable adaptors to be used with 15 ml conical tubes and all kinds of blood collection tubes.

catalogue no	603.05.001
dimensions / weight (mm / kg)	255 x 245 x 140 / 6,0
voltage (V)	220
frequency (Hz)	50
maximum speed (rpm)	4500
speed control (rpm)	increment of 100
maximum RCF (xg)	2490
RCF control (xg)	increment of 100
speed accuracy (rpm)	± 20
noise level (dB)	< 56
run time	30 sec. - 99 min. or continuous
acceleration / braking time (sec)	20 s ↑ 20 s ↓
safety devices	door interlock over - speed detection automatic internal diagnosis
additional features	sound alert function speed / RCF switch short time run function



High strength plastic rotor and excellent balance technology to guarantee a quiet and stable operation.

Delivered complete with a 8 cavity angled rotor and suitable adaptors to be used with 15 ml conical tubes and all kinds of blood collection tubes.



User friendly large LCD display offers easy identification of parameters and shows all informations including accumulated running time and last running parameters.

Both RPM or G-force can be set and displayed. Parameters can be modified after the set speed is achieved.



Featured with a dual door interlock system for twice safety.

Electronic brake immediately stops when lid opens for user safety.

Lid is released automatically when the rotor stops.