

# Колбы мерные CARL ROTH DURAN, ROTILABO

## Технические характеристики

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**Архангельск** (8182)63-90-72  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
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**Тула** (4872)74-02-29  
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**Уфа** (347)229-48-12  
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**Чебоксары** (8352)28-53-07  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Чита** (3022)38-34-83  
**Якутск** (4112)23-90-97  
**Ярославль** (4852)69-52-93

**Россия** (495)268-04-70

**Казахстан** (772)734-952-31

**Киргизия** (996)312-96-26-47



# Volumetric flasks



## Volumetric flasks class A

Isolab. Material: Borosilicate glass 3.3.

Certificate of conformity with batch identification. Calibrated to IN.  
Acc. to DIN EN ISO 1042.

Delivery incl. HDPE stopper.

### Clear glass

Blue graduations.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|----------|-----------|--|
| 5         | ±0,025         | 10/19                       | Y274.1   | 2 unit(s) |  |
| 10        | ±0,025         | 7/16                        | Y275.1   | 2 unit(s) |  |
| 10        | ±0,025         | 10/19                       | Y276.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | Y277.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | Y278.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | Y279.1   | 2 unit(s) |  |
| 50        | ±0,060         | 14/23                       | Y280.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | Y281.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | Y282.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | Y283.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | Y284.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | Y285.1   | 2 unit(s) |  |
| 1,000     | ±0,400         | 24/29                       | Y286.1   | 2 unit(s) |  |
| 2,000     | ±0,600         | 29/32                       | Y287.1   | 2 unit(s) |  |
| 5,000     | ±1,200         | 34/35                       | Y288.1   | 1 unit(s) |  |

### Brown glass

White graduated.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|----------|-----------|--|
| 5         | ±0,025         | 10/19                       | Y290.1   | 2 unit(s) |  |
| 10        | ±0,025         | 10/19                       | Y292.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | Y293.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | Y294.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | Y295.1   | 2 unit(s) |  |
| 50        | ±0,060         | 14/23                       | Y296.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | Y297.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | Y298.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | Y299.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | Y300.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | Y301.1   | 2 unit(s) |  |
| 1,000     | ±0,400         | 24/29                       | Y302.1   | 2 unit(s) |  |



## Volumetric flasks BLAUBRAND® class A

BRAND. Material: Borosilicate glass 3.3.

Conformity-certified with batch number and an enclosed batch certificate per packaging unit. Calibrated to IN.  
Acc. to DIN EN ISO 1042.

Delivery incl. plastic stopper.

### Clear glass, PP stopper

Blue graduations.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|----------|-----------|--|
| 5         | 0,04           | 10/19                       | 1KX5.1   | 2 unit(s) |  |
| 10        | 0,025          | 7/16                        | 1KX6.1   | 2 unit(s) |  |
| 10        | 0,04           | 10/19                       | 1KX7.1   | 2 unit(s) |  |
| 20        | 0,04           | 10/19                       | 1KX8.1   | 2 unit(s) |  |
| 20        | 0,06           | 12/21                       | 1KX9.1   | 2 unit(s) |  |
| 25        | 0,04           | 10/19                       | 1KXA.1   | 2 unit(s) |  |
| 25        | 0,06           | 12/21                       | 1KXC.1   | 2 unit(s) |  |
| 50        | 0,06           | 12/21                       | 1KXE.1   | 2 unit(s) |  |
| 50        | 0,1            | 14/23                       | 1KXH.1   | 2 unit(s) |  |
| 100       | 0,1            | 12/21                       | 1KXK.1   | 2 unit(s) |  |
| 100       | 0,1            | 14/23                       | 1KXL.1   | 2 unit(s) |  |
| 150       | 0,15           | 14/23                       | 1KXN.1   | 2 unit(s) |  |
| 200       | 0,15           | 14/23                       | 1KXP.1   | 2 unit(s) |  |
| 250       | 0,15           | 14/23                       | 1KXT.1   | 2 unit(s) |  |
| 500       | 0,25           | 19/26                       | 1KXX.1   | 2 unit(s) |  |
| 1,000     | 0,4            | 24/29                       | 1KXY.1   | 1 unit(s) |  |
| 1,000     | 0,6            | 29/32                       | 1KY0.1   | 1 unit(s) |  |
| 2,000     | 0,6            | 29/32                       | 1KY1.1   | 1 unit(s) |  |

### Clear glass, HPDE stopper

Blue graduations.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|----------|-----------|--|
| 5,000     | 1,2            | 34/35                       | 1KY2.1   | 1 unit(s) |  |
| 10,000    | 2,0            | 45/40                       | 1KY3.1   | 1 unit(s) |  |

### Brown glass, PP stopper

White graduations.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|----------|-----------|--|
| 5         | 0,04           | 10/19                       | 1KY4.1   | 2 unit(s) |  |
| 10        | 0,04           | 10/19                       | 1KY5.1   | 2 unit(s) |  |
| 20        | 0,04           | 10/19                       | 1KY6.1   | 2 unit(s) |  |
| 20        | 0,04           | 12/21                       | 1KY7.1   | 2 unit(s) |  |
| 25        | 0,04           | 10/19                       | 1KY8.1   | 2 unit(s) |  |
| 25        | 0,06           | 12/21                       | 1KY9.1   | 2 unit(s) |  |
| 50        | 0,1            | 12/21                       | 1KYA.1   | 2 unit(s) |  |
| 50        | 0,1            | 14/23                       | 1KYC.1   | 2 unit(s) |  |
| 100       | 0,1            | 14/23                       | 1KYE.1   | 2 unit(s) |  |
| 200       | 0,15           | 14/23                       | 1KYH.1   | 2 unit(s) |  |
| 250       | 0,15           | 14/23                       | 1KYK.1   | 2 unit(s) |  |
| 500       | 0,25           | 19/26                       | 1KYL.1   | 2 unit(s) |  |
| 1,000     | 0,4            | 24/29                       | 1KYN.1   | 1 unit(s) |  |

# Volumetric flasks



## Volumetric flasks DURAN®

DWK Life Sciences. Material: DURAN® glass, clear.

Calibrated to IN. Acc. to DIN 12 600. Temperature stable up to 250 °C without change in volume.

**Delivery incl.** PE stopper, temperature-stable from -40 to +80 °C.

### Class A, with batch certificate

With blue graduations and white ring marking. Conformity certified, with mark of conformity and enclosed **batch certificate**.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 1         | ±0,025         | 7/16                        | 65          | AHL8.1   | 2 unit(s) |  |
| 2         | ±0,025         | 7/16                        | 70          | AHL9.1   | 2 unit(s) |  |
| 5         | ±0,040         | 10/19                       | 70          | AHN0.1   | 2 unit(s) |  |
| 10        | ±0,040         | 10/19                       | 90          | AHN1.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | 110         | AHN2.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | 110         | AHN3.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | 140         | AHN4.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | 170         | AHN5.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | 170         | AHN6.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | 210         | AHN7.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | 220         | AHN8.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | 260         | AHN9.1   | 2 unit(s) |  |
| 1,000     | ±0,400         | 24/29                       | 300         | AHP0.2   | 2 unit(s) |  |
| 1,000     | ±0,600         | 29/32                       | 300         | AHP1.2   | 2 unit(s) |  |
| 2,000     | ±0,600         | 29/32                       | 370         | AHP2.2   | 2 unit(s) |  |
| 5,000     | ±1,200         | 34/35                       | 475         | AHP3.1   | 1 unit(s) |  |

### Class A, with individual certificate

With blue graduations and white ring marking. Conformity certified, with mark of conformity and enclosed **individual certificate**.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 1         | ±0,025         | 7/16                        | 65          | AHP4.1   | 2 unit(s) |  |
| 2         | ±0,025         | 7/16                        | 70          | AHP5.1   | 2 unit(s) |  |
| 5         | ±0,040         | 10/19                       | 70          | AHP6.1   | 2 unit(s) |  |
| 10        | ±0,040         | 10/19                       | 90          | AHP7.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | 110         | AHP8.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | 110         | AHP9.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | 140         | AHT0.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | 170         | AHT1.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | 170         | AHT2.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | 210         | AHT3.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | 220         | AHT4.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | 260         | AHT5.1   | 2 unit(s) |  |
| 1,000     | ±0,400         | 24/29                       | 300         | AHT6.2   | 2 unit(s) |  |
| 1,000     | ±0,600         | 29/32                       | 300         | AHT7.2   | 2 unit(s) |  |
| 2,000     | ±0,600         | 29/32                       | 370         | AHT8.2   | 2 unit(s) |  |
| 5,000     | ±1,200         | 34/35                       | 475         | AHT9.1   | 1 unit(s) |  |

### Class B

With white labelling and white ring marking.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 5         | ±0,08          | 10/19                       | 70          | AHX0.1   | 2 unit(s) |  |
| 10        | ±0,08          | 10/19                       | 90          | AHX1.1   | 2 unit(s) |  |
| 20        | ±0,08          | 10/19                       | 110         | AHX2.1   | 2 unit(s) |  |
| 25        | ±0,08          | 10/19                       | 110         | AHX3.1   | 2 unit(s) |  |
| 50        | ±0,12          | 12/21                       | 140         | AHX4.1   | 2 unit(s) |  |
| 100       | ±0,20          | 14/23                       | 170         | AHX5.1   | 2 unit(s) |  |
| 200       | ±0,30          | 14/23                       | 210         | AHX6.1   | 2 unit(s) |  |
| 250       | ±0,30          | 14/23                       | 220         | AHX7.1   | 2 unit(s) |  |
| 500       | ±0,50          | 19/26                       | 260         | AHX8.1   | 2 unit(s) |  |
| 1,000     | ±0,80          | 24/29                       | 300         | AHX9.2   | 2 unit(s) |  |
| 2,000     | ±1,20          | 29/32                       | 370         | AHY0.2   | 2 unit(s) |  |
| 5,000     | ±2,40          | 34/35                       | 475         | AHY1.1   | 1 unit(s) |  |



## Volumetric flasks DURAN® class A, USP<31>

DWK Life Sciences. Material: DURAN® glass, clear.

With blue graduations and white ring marking. Calibrated to IN. Acc. to DIN 12 600. USP<31> compliant, conformity certification and USP individual certificate enclosed. Temperature-stable up to +250 °C without change in volume.

**Delivery incl.** PE stopper, temperature-stable from -40 to +80 °C.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 5         | ±0,02          | 10/19                       | 70          | AHY2.1   | 2 unit(s) |  |
| 10        | ±0,02          | 10/19                       | 90          | AHY3.1   | 2 unit(s) |  |
| 25        | ±0,03          | 10/19                       | 110         | AHY4.1   | 2 unit(s) |  |
| 50        | ±0,05          | 12/21                       | 140         | AHY5.1   | 2 unit(s) |  |
| 100       | ±0,08          | 14/23                       | 170         | AHY6.1   | 2 unit(s) |  |
| 200       | ±0,10          | 14/23                       | 210         | AHY7.1   | 2 unit(s) |  |
| 250       | ±0,12          | 14/23                       | 220         | AHY8.1   | 2 unit(s) |  |
| 500       | ±0,15          | 19/26                       | 260         | AHY9.1   | 2 unit(s) |  |
| 1,000     | ±0,30          | 24/26                       | 300         | AKA0.2   | 2 unit(s) |  |
| 2,000     | ±0,50          | 29/32                       | 370         | AKA1.2   | 2 unit(s) |  |



# Volumetric flasks



## Volumetric flasks with glass stopper, class A

Hirschmann. Material: DURAN® glass.

Certificate of conformity with batch identification. Calibrated to IN. With standard ground glass joint. Acc. to DIN EN ISO 1042.

Delivery incl. hollow glass stoppers.class

### Clear glass

Blue graduations.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 5         | ±0,025         | 7/16                        | 70          | CNY0.1   | 2 unit(s) |  |
| 5         | ±0,040         | 10/19                       | 70          | CNY1.1   | 2 unit(s) |  |
| 10        | ±0,025         | 7/16                        | 90          | CNY2.1   | 2 unit(s) |  |
| 10        | ±0,040         | 10/19                       | 90          | CNY3.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | 110         | CNY4.1   | 2 unit(s) |  |
| 20        | ±0,060         | 12/21                       | 105         | CNY5.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | 110         | CNY6.1   | 2 unit(s) |  |
| 25        | ±0,060         | 12/21                       | 110         | CNY7.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | 140         | CNY8.1   | 2 unit(s) |  |
| 50        | ±0,080         | 14/23                       | 140         | CNY9.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | 170         | CPA0.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | 170         | CPA1.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | 210         | CPA2.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | 220         | CPA3.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | 260         | CPA4.1   | 2 unit(s) |  |
| 1,000     | ±0,600         | 19/32                       | 300         | CPA5.1   | 1 unit(s) |  |
| 1,000     | ±0,400         | 24/29                       | 300         | CPA6.1   | 1 unit(s) |  |
| 2,000     | ±0,600         | 29/32                       | 370         | CPA7.1   | 1 unit(s) |  |
| 5,000     | ±1,200         | 34/35                       | 470         | CPA8.1   | 1 unit(s) |  |
| 10,000    | ±2,000         | 45/40                       | 570         | CPA9.1   | 1 unit(s) |  |

### Trapezoidal shape

Clear glass, blue graduated.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 1         | ±0,025         | 7/16                        | 60          | CPC0.1   | 2 unit(s) |  |
| 2         | ±0,025         | 7/16                        | 70          | CPC1.1   | 2 unit(s) |  |
| 5         | ±0,025         | 7/16                        | 70          | CPC2.1   | 2 unit(s) |  |
| 5         | ±0,040         | 10/19                       | 70          | CPC3.1   | 2 unit(s) |  |
| 10        | ±0,025         | 7/16                        | 90          | CPC4.1   | 2 unit(s) |  |
| 10        | ±0,040         | 10/19                       | 90          | CPC5.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | 110         | CPC6.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | 110         | CPC7.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | 140         | CPC8.1   | 2 unit(s) |  |

### Brown glass

White graduated.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|----------|-----------|--|
| 5         | ±0,025         | 7/16                        | 70          | CPC9.1   | 2 unit(s) |  |
| 5         | ±0,040         | 10/19                       | 70          | CPE0.1   | 2 unit(s) |  |
| 10        | ±0,025         | 7/16                        | 90          | CPE1.1   | 2 unit(s) |  |
| 10        | ±0,040         | 10/19                       | 90          | CPE2.1   | 2 unit(s) |  |
| 20        | ±0,040         | 10/19                       | 110         | CPE3.1   | 2 unit(s) |  |
| 20        | ±0,040         | 12/21                       | 110         | CPE4.1   | 2 unit(s) |  |
| 25        | ±0,040         | 10/19                       | 110         | CPE5.1   | 2 unit(s) |  |
| 25        | ±0,060         | 12/21                       | 110         | CPE6.1   | 2 unit(s) |  |
| 50        | ±0,060         | 12/21                       | 140         | CPE7.1   | 2 unit(s) |  |
| 50        | ±0,080         | 14/23                       | 140         | CPE8.1   | 2 unit(s) |  |
| 100       | ±0,100         | 12/21                       | 170         | CPE9.1   | 2 unit(s) |  |
| 100       | ±0,100         | 14/23                       | 170         | CPH0.1   | 2 unit(s) |  |
| 200       | ±0,150         | 14/23                       | 210         | CPH1.1   | 2 unit(s) |  |
| 250       | ±0,150         | 14/23                       | 220         | CPH2.1   | 2 unit(s) |  |
| 500       | ±0,250         | 19/26                       | 260         | CPH3.1   | 2 unit(s) |  |
| 1,000     | ±0,400         | 24/26                       | 300         | CPH4.1   | 1 unit(s) |  |
| 2,000     | ±0,600         | 29/32                       | 370         | CPH5.1   | 1 unit(s) |  |



A121 °C

## Volumetric flasks with screw cap, class A

Vitlab. Material: PFA. Autoclavable: Yes.

With ring marking individually calibrated to "IN". Tolerance class A acc. to DIN EN ISO 1042. Exposure to temperatures up to 121 °C (autoclaving) will not cause tolerance limits to be permanently exceeded.

### Transparent

High temperature and chemical resistance. Hydrophobic and anti-adhesive, extremely smooth surfaces allow easy cleaning. High purity, ideal for use in trace analysis and for storage of reference solutions. No memory effect.

| Vol. (ml) | Tolerance (ml) | Thread | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|----------------|--------|-------------|----------|-----------|--|
| 10        | ±0,04          | GL 18  | 90          | XY51.1   | 1 unit(s) |  |
| 25        | ±0,04          | GL 18  | 115         | XY52.1   | 1 unit(s) |  |
| 50        | ±0,06          | GL 18  | 150         | XY53.1   | 1 unit(s) |  |
| 100       | ±0,10          | GL 18  | 180         | XY54.1   | 1 unit(s) |  |
| 250       | ±0,15          | GL 25  | 235         | XY55.1   | 1 unit(s) |  |
| 500       | ±0,25          | GL 25  | 270         | XY56.1   | 1 unit(s) |  |

# Volumetric flasks



**A** 121 °C

## Volumetric flasks class A

Vitlab. Material: PMP. Autoclavable: Yes.

With ring marking individually calibrated to "IN". Tolerance class A according to DIN EN ISO 1042. With imprinted lot number and batch certificate. Cleaning at max. 60 °C recommended to protect the printing. Exposure to temperatures up to 121 °C (autoclaving) will not cause tolerance limits to be permanently exceeded.

**Delivery incl.** standard ground joint made of PP.

### Transparent

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No.      | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|---------------|-----------|--|
| 10        | ±0,04          | 10/19                       | 90          | <b>XY30.1</b> | 1 unit(s) |  |
| 25        | ±0,04          | 10/19                       | 115         | <b>XY31.1</b> | 1 unit(s) |  |
| 50        | ±0,06          | 12/21                       | 150         | <b>XY32.1</b> | 1 unit(s) |  |
| 100       | ±0,10          | 14/23                       | 180         | <b>XY33.1</b> | 1 unit(s) |  |
| 250       | ±0,15          | 19/26                       | 235         | <b>XY34.1</b> | 1 unit(s) |  |
| 500       | ±0,25          | 19/26                       | 270         | <b>XY35.1</b> | 1 unit(s) |  |
| 1,000     | ±0,40          | 24/29                       | 310         | <b>XY36.1</b> | 1 unit(s) |  |

### Opaque

UV-absorbent for storage of light-sensitive substances.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No.      | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|---------------|-----------|--|
| 10        | ±0,04          | 10/19                       | 90          | <b>XY37.1</b> | 1 unit(s) |  |
| 25        | ±0,04          | 10/19                       | 115         | <b>XY38.1</b> | 1 unit(s) |  |
| 50        | ±0,06          | 12/21                       | 150         | <b>XY39.1</b> | 1 unit(s) |  |
| 100       | ±0,10          | 14/23                       | 180         | <b>XY40.1</b> | 1 unit(s) |  |
| 250       | ±0,15          | 19/26                       | 235         | <b>XY41.1</b> | 1 unit(s) |  |
| 500       | ±0,25          | 19/26                       | 270         | <b>XY42.1</b> | 1 unit(s) |  |
| 1,000     | ±0,40          | 24/29                       | 310         | <b>XY43.1</b> | 1 unit(s) |  |



## Volumetric flasks class B

Vitlab.

With ring marking individually calibrated to "IN". Tolerances in compliance with DIN EN ISO 1042. Temperatures up to 60 °C will not cause tolerance limits to be permanently exceeded.

**Delivery incl.** standard ground joint made of PP.

### Crystal clear

Material: PMP. Autoclavable: Yes.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No.      | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|---------------|-----------|--|
| 25        | ±0,08          | 10/19                       | 115         | <b>8374.1</b> | 1 unit(s) |  |
| 50        | ±0,12          | 12/21                       | 150         | <b>8375.1</b> | 1 unit(s) |  |
| 100       | ±0,20          | 14/23                       | 180         | <b>8377.1</b> | 1 unit(s) |  |
| 250       | ±0,30          | 19/26                       | 235         | <b>8378.1</b> | 1 unit(s) |  |
| 500       | ±0,50          | 19/26                       | 270         | <b>8380.1</b> | 1 unit(s) |  |
| 1,000     | ±0,80          | 24/29                       | 310         | <b>8381.1</b> | 1 unit(s) |  |

### Transparent

Material: PP.

| Vol. (ml) | Tolerance (ml) | Standard ground glass joint | Height (mm) | Art. No.      | Pack Qty. |  |
|-----------|----------------|-----------------------------|-------------|---------------|-----------|--|
| 25        | ±0,08          | 10/19                       | 115         | <b>8364.1</b> | 1 unit(s) |  |
| 50        | ±0,12          | 12/21                       | 150         | <b>8365.1</b> | 1 unit(s) |  |
| 100       | ±0,20          | 14/23                       | 180         | <b>8366.1</b> | 1 unit(s) |  |
| 250       | ±0,30          | 19/26                       | 235         | <b>8368.1</b> | 1 unit(s) |  |
| 500       | ±0,50          | 19/26                       | 270         | <b>8370.1</b> | 1 unit(s) |  |
| 1,000     | ±0,80          | 24/29                       | 310         | <b>8372.1</b> | 1 unit(s) |  |



**A** 121 °C



## Volumetric flasks ROTILABO® with scaled neck

ROTH SELECTION. Material: Borosilicate glass 3.3. Autoclavable: Yes. With heavy duty rim. Brown graduated.

| Vol. (ml) | Neck volume (ml) | Height (mm) | Graduations (ml) | Art. No.      | Pack Qty. |  |
|-----------|------------------|-------------|------------------|---------------|-----------|--|
| 50        | + 5              | 155         | 0.2              | <b>ACA7.1</b> | 1 unit(s) |  |
| 100       | + 10             | 205         | 0.2              | <b>ACA8.1</b> | 1 unit(s) |  |
| 200       | + 20             | 245         | 0.2              | <b>ACA9.1</b> | 1 unit(s) |  |
| 250       | + 25             | 280         | 0.5              | <b>ACC0.1</b> | 1 unit(s) |  |
| 500       | + 50             | 320         | 1.0              | <b>ACC1.1</b> | 1 unit(s) |  |
| 1,000     | + 100            | 400         | 1.0              | <b>ACC2.1</b> | 1 unit(s) |  |



# Volumetric flasks



## Volumetric flasks acc. to Kohlrausch class A

Winzer. Material: Borosilicate glass 3.3.

For sugar examinations acc. to Kohlrausch. With ring marking, accuracy within official test tolerance.

| Vol. (ml) | Art. No. | Pack Qty. |  |
|-----------|----------|-----------|--|
| 100       | AAN3.1   | 1 unit(s) |  |
| 200       | AAN4.1   | 1 unit(s) |  |



## Pycnometer acc. to Gay-Lussac

Mariefeld. Material: Borosilicate glass 3.3.

For determining the density of non-volatile, low-viscosity liquids. Pear-shaped. With recessed glass stopper, edge Ø at top 9 mm, at bottom 7 mm. Calibrated at 20 °C. Total volume is engraved on the pycnometer, three decimal places, tolerance  $\pm 0.001$  ml.

| Vol. (ml) | Art. No. | Pack Qty. |  |
|-----------|----------|-----------|--|
| 1         | P224.1   | 1 unit(s) |  |
| 2         | P225.1   | 1 unit(s) |  |
| 5         | P226.1   | 1 unit(s) |  |
| 10        | P227.1   | 1 unit(s) |  |
| 25        | P228.1   | 1 unit(s) |  |
| 50        | P229.1   | 1 unit(s) |  |
| 100       | P230.1   | 1 unit(s) |  |



## Pycnometer ROTILABO® acc. to Reischauer

ROTH SELECTION. Material: Borosilicate glass 3.3.

With graduation in the neck. Acc. to DIN ISO 3507.

| Vol. (ml) | Standard ground glass joint | Height (mm) | Art. No. | Pack Qty. |  |
|-----------|-----------------------------|-------------|----------|-----------|--|
| 25        | 10/13                       | 105         | TP46.1   | 1 unit(s) |  |
| 50        | 10/13                       | 115         | TP47.1   | 1 unit(s) |  |



## Pycnometer acc. to Gay-Lussac with thermometer

Lenz. Material: Borosilicate glass 3.3.

Calibrated to IN. With thermometer and side capillaries with conical ground joint NS 7/16. Thermometer with blue Toluene filling, measuring range 10-35 °C, graduation 0.2 °C. Volume data in cm<sup>3</sup> (3 decimal places).

Delivery incl. individual certificate.

| Vol. (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|-----------------------------|----------|-----------|--|
| 10        | 10/19                       | EXP7.1   | 1 unit(s) |  |
| 25        | 10/19                       | EXP8.1   | 1 unit(s) |  |
| 50        | 10/19                       | EXP9.1   | 1 unit(s) |  |
| 100       | 10/19                       | EXY0.1   | 1 unit(s) |  |



## Pycnometer ROTILABO®

Winzer. Material: Borosilicate glass 3.3.

For bituminous masses and minerals. With ring marking. Non-calibrated.

| Vol. (ml) | Standard ground glass joint | Art. No. | Pack Qty. |  |
|-----------|-----------------------------|----------|-----------|--|
| 500       | 45/40                       | AAN8.1   | 1 unit(s) |  |
| 1,000     | 60/46                       | AAN9.1   | 1 unit(s) |  |
| 2,000     | 60/46                       | AAP0.1   | 1 unit(s) |  |



A121 °C

## Fermentation saccharometer acc. to Einhorn

Hecht. Material: Soda-lime glass. Autoclavable: Yes.

For determining the sugar content in liquids. With indelibly branded white graduations (0.2-5 ml).

Delivery incl. measuring glass with ring marking at 10 ml.

| Vol. (ml) | Art. No. | Pack Qty. |  |
|-----------|----------|-----------|--|
| 5         | CKY9.1   | 1 unit(s) |  |

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