

HAAKE C/DC open-bath circulators very rigid baths made from modified polyphenyleneoxide (PPO) that are thermally resistant up to 100°C. Used with the temperature control units C10 and DC10, they are inexpensive open-bath circulators to be used with water as the heat transfer

liquid. The baths have integrated grips and supports. They are fitted with bridge plates for locating the temperature control unit. A range of accessories is available to adapt the units to suit specific applications.

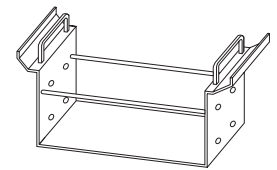


Comes with
 Directable **nozzle**
 All C10-combinations include a **checking thermometer** 0 to 100°C, division 0.5°C.

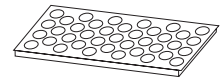
Optional accessories **Order-No.**
Tap water cooling coil **333-0589**
 Instead of water cooling, an **immersion cooler EK20** can be used with baths P14 and P21 (see page 26/27)
Set for external circulation to upgrade the baths **333-0586**
Lifting platform for C10-P14 and DC10-P14 **333-0583**

Optional accessories **Order-No.**
Lifting platform for C10-P21 and DC10-P21 **333-0582**
 Plastic balls as **floating bath cover** (recommended above 60°C) **827-0310**
Bath cover for P5 **333-0618**
Bath cover for P14 **333-0619**
Bath cover for P21 **333-0620**
Racks for bath P5 (fits 2 in the bath) for:
 18 tubes, 16 mm Ø **333-0500**
 26 **micro centrifuge tubes**, 1.5 ml, 10 mm Ø **333-0501**
 6 **centrifuge tubes**, 50 ml, 30 mm Ø **333-0502**

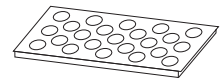
Optional accessories **Order-No.**
Basic rack without inserts (fits 1 x into P14; 2 x in P21) **333-0129**



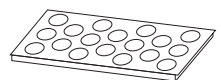
inserts for tubs into basic rack for 86 of 10 mm Ø **333-0130**



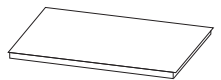
for 46 of 16 mm Ø **333-0131**



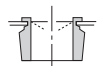
for 23 of 25 mm Ø **333-0132**



without holes **333-0151**



plastic **snappers** to reduce the hole Ø in the inserts from
 16 to 3..10 mm, 50 pieces **333-0134**
 25 to 6..17 mm, 25 pieces **333-0135**



| Technical specifications acc. to DIN 12876 | | C10-P5 | DC10-P5 | C10-P14 | DC10-P14 | C10-P21 | DC10-P21 |
|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Working temperature range | °C | 25..100 | 25..100 | 22..100 | 22..100 | 22..100 | 22..100 |
| with tap water cooling | °C | 20..100 | 20..100 | 20..100 | 20..100 | 20..100 | 20..100 |
| with other cooling | °C | 0..100 | 0..100 | 0..100 | 0..100 | 0..100 | 0..100 |
| Temperature accuracy | +/-K | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 |
| Heater capacity 230V / 115V | kW | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 | 2.0/1.2 |
| Pump: Pressure / Flow rate max. | mbar/l/min | 300/17 | 300/17 | 300/17 | 300/17 | 300/17 | 300/17 |
| Bath opening: WxLxD | cm | 13x17x16 | 13x17x16 | 30x19x16 | 30x19x16 | 30x38x16 | 30x38x16 |
| Bath volume | l | 3.5 | 3.5 | 8..14 | 8..14 | 13..21 | 13..21 |
| Overall dimensions: WxLxH | cm | 16x33x36 | 16x33x36 | 33x38x36 | 33x38x36 | 33x54x36 | 33x54x36 |
| Net weight | kg | 4.8 | 4.8 | 6 | 6 | 6.3 | 6.3 |
| Total wattage 230V / 115V | VA | 1550/1050 | 2050/1250 | 1550/1050 | 2050/1250 | 1050/1050 | 2050/1250 |
| Order-No. for 230V / 50..60Hz | | 425-1821 | 426-1821 | 425-1831 | 426-1831 | 425-1841 | 426-1841 |
| for 115V / 60Hz | | 425-1822 | 426-1822 | 425-1832 | 426-1832 | 425-1842 | 426-1842 |
| ExtraPlus rating (see page 35) | | + | ++ | + | ++ | + | ++ |

Open-Bath Circulators
C10- and DC10-W12P,
C10- and DC10-W18P

These transparent baths allow clear viewing during processing.

A water cooling coil is necessary for working temperatures below 25°C. These units can also be adapted for external circulation by adding a pump set.

Open-Bath Circulators with a built-in recirculation pump
C10-W5P, DC10-W5P

These circulators are used for the simultaneous temperature control of external systems such as a photometer and the insertion of flasks or test tubes within the circulator's own bath.

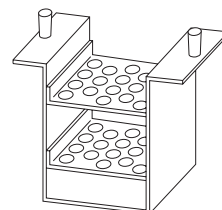
A powerful, two-stage pressure pump is available as a standard feature.

Comes with

C10-W5P and DC10-W5P:
Each 2 **nozzles** for tubing with 8 and 12 mm i. Ø, **set for external circulation and tap water cooling coil.**
C10-W5P: plus **checking thermometer** 0 bis 100°C
W12P and W18P: **Bath bridge** to fix the circulator onto the bath and a **directable nozzle.**

Optional accessories **Order-No.**

| | |
|--|-----------------|
| Tap water cooling coil for W12P/W18P | 333-0589 |
| Plastic balls as floating bath cover | 827-0310 |
| Lifting platforms for W12P | 333-0583 |
| for W18P | 333-0582 |
| Set for external circulation for W12P/W18P | 333-0586 |
| Reservoir drain for W12P/W18P | 333-0499 |
| Racks for W5P-bath (to be used max. 3 per bath) for: 18 tubes, 16 mm Ø | 333-0500 |
| 26 micro centrifuge tubes , 1.5 ml, 10 mm Ø | 333-0501 |
| 6 centrifuge tubes , 50 ml, 30 mm Ø | 333-0502 |



| Technical specifications acc. to DIN 12876 | | C10-W5P | DC10-W5P | C10-W12P | DC10-W12P | C10-W18P | DC10-W18P |
|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Working temperature range with tap water cooling | °C | 30..60 | 30..60 | 25..60 | 25..60 | 25..60 | 25..60 |
| with other cooling | °C | 20..60 | 20..60 | 20..60 | 20..60 | 20..60 | 20..60 |
| Temperature accuracy | +/-K | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 | 0.02 |
| Heater capacity 230V / 115V | kW | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 | 2.0/1.2 |
| Pump: Pressure / Flow rate max. | mbar/l/min | 300/12.5 | 300/12.5 | 300/17 | 300/17 | 300/17 | 300/17 |
| Bath opening: WxLxD | cm | 12x24x15 | 12x24x15 | 30x17x15 | 30x17x15 | 30x34x15 | 30x34x15 |
| Bath volume | l | 4.6 | 4.6 | 8..12 | 8..12 | 12..19 | 12..19 |
| Overall dimensions: WxLxH | cm | 17x40x34 | 17x40x34 | 31x34x34 | 31x34x34 | 31x51x34 | 31x51x34 |
| Net weight | kg | 6 | 6.2 | 7 | 7.2 | 8.2 | 8.4 |
| Total wattage 230V / 115V | VA | 1550/1050 | 2050/1250 | 1550/1050 | 2050/1250 | 1550/1050 | 2050/1250 |
| Order-No. for 230V / 50..60Hz | | 425-1051 | 426-1051 | 425-1121 | 426-1121 | 425-1181 | 426-1181 |
| for 115V / 60Hz | | 425-1052 | 426-1052 | 425-1122 | 426-1122 | 425-1182 | 426-1182 |
| ExtraPlus-Rating (see page 35) | | + | ++ | + | ++ | + | ++ |

The high-quality stainless steel used on the bath interior and exterior is characteristic of these circulators. The handles and drain nozzle enable easy handling.

The temperature control units C10 and DC10 are suitable for used with water or a mixture of water and anti-freeze. A large range of accessories such as an immersion cooler, a set for external circulation, test tube racks or lift plates can be used to quickly adapt the circulator for different applications.

The bath depth for all baths is 200 mm to allow both large and long objects to be placed within. The units V15/B and V26/B are fitted with a compressor cooling unit, i.e. are independent of tap water and are therefore environmentally friendly.



Baths with angled clamps are also available for more budget-conscious customers.

Comes with

Bath bridge to attached the circulator onto the bath and a directable nozzle.
All C10-combinations include a **checking thermometer** 0 to 100°C, division 0.5°C.

Optional accessories Order-No.

Tap water **cooling coil** 333-0589
Instead of water cooling, an immersion cooler EK20 or EK30 can be used (see page 26/27)

Set for external circulation to upgrade the baths 333-0586

Lifting platform
for W15, V15 333-0583
for W26, V26 333-0582
for W46 333-0584

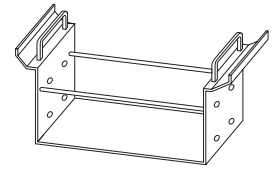
Bath cover out of s/s (fits 1 x onto W15, V15; 2 x onto W26, V26; 4 x onto W46) 333-0225

Plastic balls as floating bath cover 827-0310

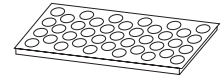
Reservoir drain 333-0499

Optional accessories Order-No.

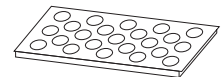
Basic rack without inserts (fits 1 x into W15, V15; 2 x into W26, V26; 4 x into W46) 333-0129



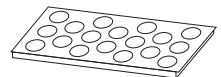
inserts for tubes into basic rack for 86 of 10 mm Ø 333-0130



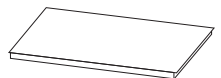
for 46 of 16 mm Ø 333-0131



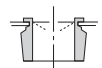
for 23 of 25 mm Ø 333-0132



without holes 333-0151



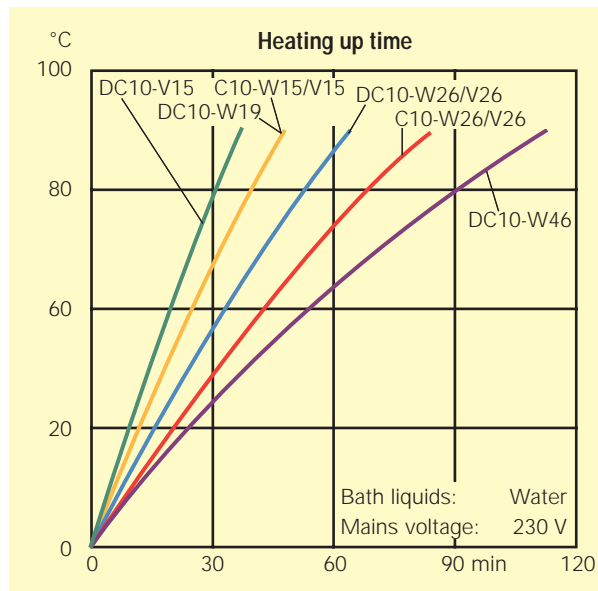
plastic snappers to reduce the hole Ø in the inserts from 16 to 3..10 mm, 50 pieces 333-0134
25 to 6..17 mm, 25 pieces 333-0135



| Technical specifications acc. to DIN 12876 | | C10-V15/B | DC10-V15/B | C10-V26/B | DC10-V26/B | C10-W15/B |
|--|-----------------|------------|------------|-----------|------------|------------|
| Working temperature range | °C | -5..100 | -5..100 | -10..100 | -10..100 | 25..100 |
| | °C | - | - | - | - | 20..100 |
| | °C | - | - | - | - | -30..100 |
| Temperature accuracy | +/-K | 0.04 | 0.02 | 0.04 | 0.02 | 0.04 |
| Heater capacity 230V / 115V | kW | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 | 2.0/1.2 | 1.5/1.0 |
| Cooling capacity at 20°C | W | 200 | 200 | 250 | 250 | - |
| Pump: Pressure / Flow rate max. | mbar/l/min | 300/17 | 300/17 | 300/17 | 300/17 | 300/17 |
| Bath opening: WxLxD | cm | 30x17.5x20 | 30x17.5x20 | 30x35x20 | 30x35x20 | 30x17.5x20 |
| Bath volume | l | 11..15 | 11..15 | 19..26 | 19..26 | 11..15 |
| Overall dimensions: WxLxH | cm | 36x59x40 | 36x59x40 | 36x75x40 | 36x75x40 | 34x36x40 |
| Net weight | kg | 26.1 | 26.1 | 31 | 31 | 8.3 |
| Total wattage 230V / 115V | VA | 1900/1400 | 2400/1600 | 2000/1500 | 2500/1700 | 1550/1050 |
| Order-No. for 230V / 50..60Hz | | 425-1531 | 426-1531 | 425-1561 | 426-1561 | 425-1161 |
| | for 115V / 60Hz | 425-1532 | 426-1532 | 425-1562 | 426-1562 | 425-1162 |
| ExtraPlus-Rating (see page 35) | | + | ++ | + | ++ | + |



| DC10-W19/B | C10-W26/B | DC10-W26/B | DC10-W46/B |
|------------|-----------|------------|------------|
| 25..100 | 23..100 | 23..100 | 22...100 |
| 20..100 | 20..100 | 20..100 | 20..100 |
| -30..100 | -30..100 | -30..100 | -30..100 |
| 0.02 | 0.04 | 0.02 | 0.02 |
| 2.0/1.2 | 1.5/1.0 | 2.0/1.2 | 2.0/1.2 |
| - | - | - | - |
| 300/17 | 300/17 | 300/17 | 300/17 |
| 30x35x15 | 30x35x20 | 30x35x20 | 30x70x20 |
| 12..19 | 19..26 | 19..26 | 35..46 |
| 34x54x35 | 34x56x40 | 34x56x40 | 36x95x40 |
| 9 | 10.9 | 10.9 | 23.3 |
| 2050/1250 | 1550/1050 | 2050/1250 | 2050/1250 |
| 426-1191 | 425-1261 | 426-1261 | 426-1461 |
| 426-1192 | 425-1262 | 426-1262 | 426-1462 |
| ++ | + | ++ | ++ |



The temperature control unit is attached to the bath vessel by means of a bath bridge. The bridge is equipped with openings designed for the subsequent attachment of an immersion cooler, cooling coil and circulation set for temperature controlling external systems. The units used with the DL30 have an especially large filling range. This enables the frequent exchange of objects with a large volume without triggering level alarms.

The integrated TRS (Turbulence Reduction System) avoids excessive turbulence in the bath via a reduction of the flow rate. Full capacity is available if required.

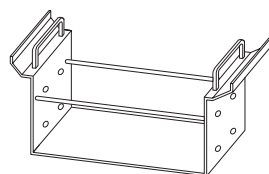
The units V15/B and V26/B are fitted with a compressor cooling unit, i.e. are independent of tap water and are therefore environmentally friendly.

Comes with
Bath bridge to fix the circulator onto the bath and a directable nozzle

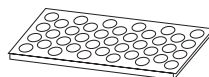


Pumpset (optional)

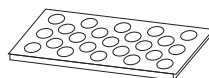
| Optional accessories | Order-No. |
|---|-----------|
| Lifting platforms | |
| for W13, W15 and V15 | 333-0583 |
| for W19, W26, V26 | 333-0582 |
| for W46 | 333-0584 |
| for W45 | 333-0581 |
| Reservoir drain | 333-0499 |
| Set for external circulation to upgrade the baths for DC30-Combinationen | 333-0586 |
| for DL30-Combinationen | 333-0625 |
| Basic rack without inserts (fits 1 x into W13, W15, V15; 2 x into W19, W26, W45; 4 x into W46) | 333-0129 |



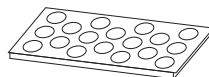
inserts for tubes into basic rack for 86 of 10 mm Ø 333-0130



for 46 of 16 mm Ø 333-0131



for 23 of 25 mm Ø 333-0132



without holes 333-0151



| Optional accessories | Order-No. |
|---|-----------|
| plastic snappers to reduce the hole Ø in the inserts from 16 to 3..10 mm, 50 pieces | 333-0134 |
| 25 to 6..17 mm, 25 pieces | 333-0135 |



Tap water **cooling coil** for DC30-Combinationen 333-0589

Tap water **cooling coil** for DL30-Combinationen 333-0595

Instead of water cooling, an immersion cooler EK20 or EK30 can be used (see page 26/27)

bath cover made from stainless steel (fits 1 x onto W13, W15, V15; 2 x onto W19, W26, V26; 4 x onto W46) 333-0225

bath cover made from stainless steel (fits 2 x onto W45) 333-0648



Lifting platform (optional)

| Technical specifications acc. to DIN 12876 | | DL30-V15/B | DL30-V26/B | DC30-W13/B | DL30-W15/B |
|--|-----------|------------|------------|------------|------------|
| Working temperature range with tap water cooling | °C | -5..150 | -10..150 | 25..200 | 25..200 |
| with other cooling | °C | - | - | 20..200 | 20..200 |
| Temperature accuracy | +/-K | 0.01 | 0.01 | 0.01 | 0.01 |
| Heater capacity 230V / 115V | kW | 2.0/1.2 | 2.0/1.2 | 2.0/1.2 | 2.0/1.2 |
| Cooling capacity at 20°C | W | 200 | 250 | - | - |
| Pump: Pressure / Flow rate max. | mbar//min | 300/17 | 300/17 | 300/17 | 300/17 |
| Bath opening: WxLxD | cm | 30x17.5x20 | 30x35x20 | 30x17.5x15 | 30x17.5x20 |
| Bath volume | l | 8..15 | 14..26 | 7..12 | 8..15 |
| Overall dimensions: WxLxH | cm | 36x59x40 | 36x75x40 | 34x36x35 | 34x36x40 |
| Net weight | kg | 27 | 32 | 8.8 | 9 |
| Total wattage 230V / 115V | VA | 2400/1500 | 2500/1700 | 2050/1250 | 2050/1250 |
| Order-No. for 230V / 50..60Hz | | 427-3531 | 427-3561 | 426-3141 | 427-3161 |
| for 115V / 60Hz | | 427-3532 | 427-3562 | 426-3142 | 427-3162 |
| ExtraPlus-Rating (see page 35) | | +++ | +++ | +++ | +++ |



DL30-W45/B

DL30-V26/B

DL30-V15/B

DC30-W19/B
(DC30-W13/B)

DL30-W15/B

| DC30-W19/B | DL30-W26/B | DL30-W46/B | DL30-W45/B |
|------------|------------|------------|------------|
| 25..200 | 23..200 | 22..200 | 22..200 |
| 20..200 | 20..200 | 20..200 | 20..200 |
| -50..200 | -50..200 | -50..200 | -50..200 |
| 0.01 | 0.01 | 0.01 | 0.01 |
| 2.0/1.2 | 2.0/1.2 | 2.0/1.2 | 2.0/1.2 |
| - | - | - | - |
| 300/17 | 300/17 | 300/17 | 300/17 |
| 30x35x15 | 30x35x20 | 30x70x20 | 30x35x30 |
| 12..19 | 14..26 | 27..46 | 30..42 |
| 34x54x35 | 34x54x40 | 36x95x40 | 36x54x51 |
| 9 | 11.2 | 24 | 23 |
| 2050/1250 | 2050/1250 | 2050/1250 | 2050/1250 |
| 426-3191 | 427-3261 | 427-3461 | 427-3451 |
| 426-3192 | 427-3262 | 427-3462 | 427-3452 |
| +++ | +++ | +++ | +++ |



HAAKE DC30-W26/B
with cooler
HAAKE EK30