


## Reaction Blocks to be used with Stirring Hotplates


### Digital Stirring Hotplate



- Fast, precise temperature control from 0 to 370 °C
- Accurate stirring from 30 to 1.700 rpm
- Integral timer, 1 minute to 99 hours, 59 minutes, automatically turns heater off after the elapsed time
- Auto-reverse option for enhanced mixing
- Maintains set rpm even with viscosity changes
- Chemical- and scratch-resistant, ceramic-coated top, CerAlTop™, 135 mm diameter, aluminum alloy plate
- Bright white LED display for high-contrast easy reading
- Illuminated icons for heat, probe, setpoint, timer and autoreverse

| Cat. No.      | Description   | Cs. |
|---------------|---|-----|
| CG-1997-V-50E | Complete Digital Hotplate Kit with Temperature Probe, Vertical Support Rod, Boss Head and Support / Holding Rod | 1   |
| CG-1997-V-10E | Digital Hotplate with Temperature Probe only  | 1   |


### One Size Reaction Blocks for Vials



- Designed to fit directly on 135 mm dia. circular top of a hotplate stirrer
- Aluminum construction offers excellent heat transfer without interfering with magnetic stirring
- Anodized for increased strength, durability and chemical resistance
- A thermowell is provided for insertion of a temperature sensor

| Cat. No.   | Description   | Cs. |
|------------|---|-----|
| CG-1991-01 | Reaction Block for 20 ml scintillation vials, 28 mm x 60 mm, black, 17 positions, 24 mm hole depth  | 1   |
| CG-1991-02 | Reaction Block for 30 ml scintillation vials, 28 mm x 73 mm, green, 17 positions, 30 mm hole depth  | 1   |
| CG-1991-03 | Reaction Block for 40 ml scintillation vials, 28 mm x 98 mm, orange, 17 positions, 43 mm hole depth | 1   |
| CG-1991-04 | Reaction Block for 4 ml vials, 15 mm x 45 mm, gold, 48 positions, 19 mm hole depth                  | 1   |
| CG-1991-05 | Reaction Block for 8 ml vials, 17 mm x 60 mm, blue, 34 positions, 25 mm hole depth                  | 1   |
| CG-1991-06 | Reaction Block for 16 ml vials, 21 mm x 70 mm, red, 21 positions, 32 mm hole depth                  | 1   |

### TRI-Block™, Reaction Block for Vials



- Designed to fit directly on 135 mm dia. circular top of a hotplate stirrer
- Aluminum construction offers excellent heat transfer without interfering with magnetic stirring
- Anodized for increased strength, durability and chemical resistance
- A thermowell is provided for insertion of a temperature sensor

| Cat. No.     | Description   | Cs. |
|--------------|---|-----|
| CG-1991-T-10 | Tri-Block™ Reaction Block, 11 positions each for 4 ml and 8 ml vials, 7 positions for 20 ml vials | 1   |

## PIE-Blocks, Reaction Blocks for Vials and Flasks



- Designed to fit directly on 135 mm diameter circular top of a hotplate stirrer
- Safety holder allows up to four pie wedges on one hotplate and securely locks them together
- Interchangeable pie wedges and blocks permit various sized vials and flasks on one hotplate
- Aluminum construction offers excellent heat transfer without interfering with magnetic stirring
- Anodized for increased strength, durability and chemical resistance
- Colour coded for quick and easy identification
- A thermowell is provided for insertion of a temperature sensor

| Cat. No.     | Description  | Included in CG-1991-P-01 | Cs. |
|--------------|--|--------------------------|-----|
| CG-1991-P-01 | PIE-Block system, supplied with one safety holder and six pie wedges (CG-1991-P-05, -P-10 to -P-15)    |                          | 1   |
| CG-1991-P-05 | PIE-Block safety holder only, anodized green   | Yes                      | 1   |
| CG-1991-P-10 | Pie-Wedge for 20 ml scintillation vials, 28 mm x 60 mm, anodized black, 4 positions, 24 mm hole depth  | Yes                      | 1   |
| CG-1991-P-11 | Pie-Wedge for 30 ml scintillation vials, 28 mm x 73 mm, anodized green, 4 positions, 30 mm hole depth  | Yes                      | 1   |
| CG-1991-P-12 | Pie-Wedge for 40 ml scintillation vials, 28 mm x 98 mm, anodized orange, 4 positions, 43 mm hole depth | Yes                      | 1   |
| CG-1991-P-13 | Pie-Wedge for 4 ml vials, 15 mm x 45 mm, anodized gold, 9 positions, 19 mm hole depth                  | Yes                      | 1   |
| CG-1991-P-14 | Pie-Wedge for 8 ml vials, 17 mm x 60 mm, anodized blue, 8 positions, 25 mm hole depth                  | Yes                      | 1   |
| CG-1991-P-15 | Pie-Wedge for 16 ml vials, 21 mm x 70 mm, anodized red, 4 positions, 32 mm hole depth                  | Yes                      | 1   |
| CG-1991-P-19 | Pie-Wedge for 2 - 5 ml microwave vials, anodized turquoise, 8 positions                                | No                       | 1   |
| CG-1991-P-20 | Pie-Wedge for 10 - 20 ml microwave vials, anodized berry, 4 positions                                  | No                       | 1   |
| CG-1991-P-23 | Pie-Wedge for 0,5 - 2 ml tapered microwave vials, anodized purple, 8 positions                         | No                       | 1   |
| CG-1991-P-30 | Pie-Block for one 10 ml round bottom flask, anodized gold  | No                       | 1   |
| CG-1991-P-32 | Pie-Block for one 25 ml round bottom flask, anodized blue  | No                       | 1   |
| CG-1991-P-34 | Pie-Block for one 50 ml round bottom flask, anodized red   | No                       | 1   |
| CG-1991-P-36 | Pie-Block for one 100 ml round bottom flask, anodized black  | No                       | 1   |

## Reaction Blocks for NMR Tubes



- NMR Reaction Heating Block is designed to rest on a round or square top of a hotplate stirrer
- Offers a clean and safe alternative for heating NMR tubes in oil baths
- Aluminum construction offers excellent heat transfer

| Cat. No.     | Description   | Cs. |
|--------------|---|-----|
| CG-1991-N-10 | Reaction Heating Block for 5 mm NMR tubes, anodized clear, 10 positions | 1   |

## OPTITHERM® Reaction Blocks for Round Bottom and Recovery Flasks



- Designed to fit directly on 135 mm diameter circular top of a hotplate stirrer
- A safe and cost effective solution for replacing your existing oil bath and heating mantles
- PTFE shield on the unit reduces the exterior exposed surface temperature by as much as 100 °C
- Aluminum construction offers excellent heat transfer without interfering with magnetic stirring
- Anodized inserts for increased strength, durability and chemical resistance
- Colour-coded inserts for quick and easy identification
- Flask inserts must be purchased separately

| Cat. No.     | Description   | For use with | Cs. |
|--------------|---|--------------|-----|
| CG-1992-10   | OPT100 Reaction Block, for 100 ml round bottom flasks or with inserts below   |              | 1   |
| CG-1992-50   | OPT500 Reaction Block, for 500 ml round bottom flasks or with inserts below   |              | 1   |
| CG-1992-60   | OPT1000 Reaction Block, for 1000 ml round bottom flasks or with inserts below |              | 1   |
| CG-1992-12   | 10 ml round bottom flask insert, anodized gold                                | OPT100       | 1   |
| CG-1992-14   | 25 ml round bottom flask insert, anodized blue                                | OPT100       | 1   |
| CG-1992-16   | 50 ml round bottom flask insert, anodized red                                 | OPT100       | 1   |
| CG-1992-53   | 200 ml round bottom flask insert, anodized turquoise                          | OPT500       | 1   |
| CG-1992-54   | 250 ml round bottom flask insert, anodized clear                              | OPT500       | 1   |
| CG-1992-55   | 300 ml round bottom flask insert, anodized black                              | OPT500       | 1   |
| CG-1992-58   | 500 ml round bottom flask insert, anodized berry                              | OPT1000      | 1   |
| CG-1992-R010 | 10 ml recovery flask insert, anodized orange                                  | OPT100       | 1   |
| CG-1992-R025 | 25 ml recovery flask insert, anodized green                                   | OPT100       | 1   |
| CG-1992-R050 | 50 ml recovery flask insert, anodized blue                                    | OPT100       | 1   |
| CG-1992-R100 | 100 ml recovery flask insert, anodized yellow                                 | OPT500       | 1   |
| CG-1992-R200 | 200 ml recovery flask insert, anodized red                                    | OPT500       | 1   |
| CG-1992-R500 | 500 ml recovery flask insert, anodized berry                                  | OPT1000      | 1   |

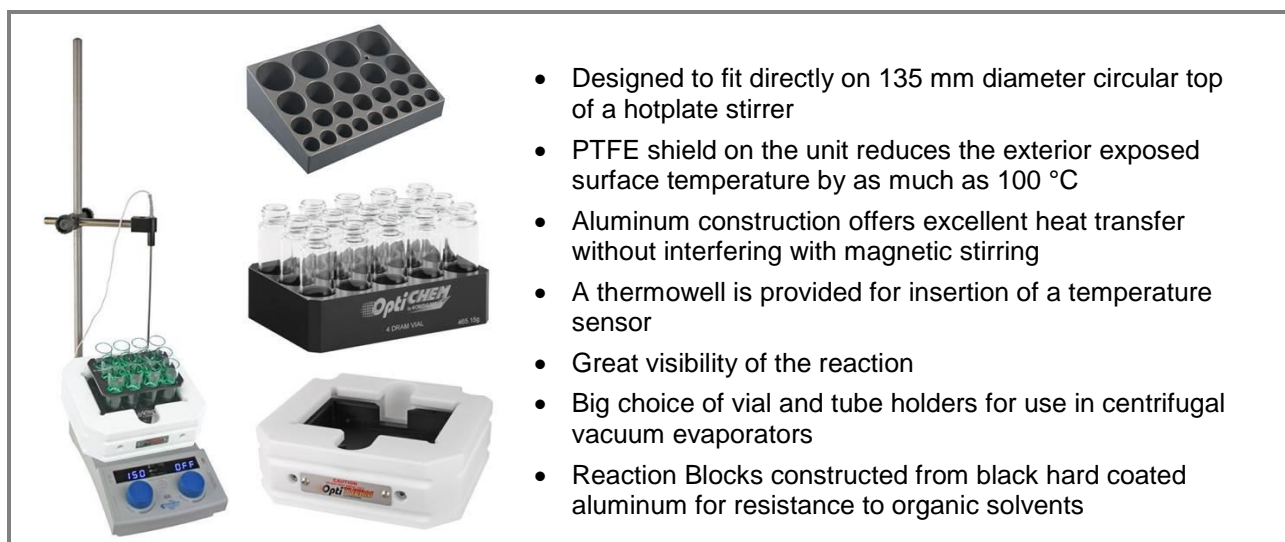
## OptiBlock Reaction Blocks for Parallel Synthesis



- Designed to fit directly on 135 mm diameter circular top of a hotplate stirrer
- Accepts up to eight different vial sizes
- PTFE faced silicone septa pad seals multiple vessels effectively
- Provides syringe access to all vessels
- Works with aggressive solvents

| Cat. No.   | Description   | Cs. |
|------------|---|-----|
| OP-5000-01 | OptiBlock Reaction Block, locking base assembly only  | 1   |
| OP-5000-09 | OptiBlock Reaction Block, top locking plate, 8 x 30 mm, 96 well, green  | 1   |
| OP-5000-10 | OptiBlock Reaction Block, top locking plate, 15 x 45 mm, 4 ml vial, purple  | 1   |
| OP-5000-12 | OptiBlock Reaction Block, top locking plate, 17 x 60 mm, 8 ml vial, gold  | 1   |
| OP-5000-14 | OptiBlock Reaction Block, top locking plate, 21 x 70 mm, 16 ml vial, red  | 1   |
| OP-5000-16 | OptiBlock Reaction Block, top locking plate, 28 x 57 mm, 20 ml vial, blue   | 1   |
| OP-5000-17 | OptiBlock Reaction Block, top locking plate, 28 x 70 mm, 30 ml vial, silver   | 1   |
| OP-5000-18 | OptiBlock Reaction Block, top locking plate, 28 x 95 mm, 40 ml vial, orange   | 1   |
| OP-5000-19 | OptiBlock Reaction Block, top locking plate, 0,5 - 2 ml tapered and 2 - 5 ml round bottom microwave vial, green   | 1   |
| OP-5000-20 | OptiBlock Reaction Block, top locking plate, 10 - 20 ml microwave vial, turquoise   | 1   |
| OP-5000-60 | OptiBlock Reaction Block, PTFE faced silicone septa pads  | 10  |
| OP-5000-K1 | OptiBlock Reaction Block, start up kit, includes: OP-5000-01, -10, -12, -16 (one of each), OP-6600-05, -07, -11 (one of each), and OP-5000-60 (20 pieces) | 1   |

## OPTICHEM<sup>®</sup> Reaction Blocks for Centrifugal Vacuum Evaporator Blocks



| Cat. No.   | Description   | Cs. |
|------------|---|-----|
| OP-6700-01 | Heater Block Adapter  | 1   |
| OP-6600-04 | Reaction Block for 8 x 30 mm Shell vial inserts, 96 positions   | 1   |
| OP-6600-03 | Reaction Block for 12 x 32 mm HPLC flat bottom vials, 48 positions  | 1   |
| OP-6600-05 | Reaction Block for 15 x 45 mm 4 ml flat bottom vials, 24 positions  | 1   |
| OP-6600-07 | Reaction Block for 17 x 60 mm 8 ml flat bottom vials, 24 positions  | 1   |
| OP-6600-09 | Reaction Block for 21 x 70 mm 16 ml flat bottom vials, 15 positions   | 1   |
| OP-6600-11 | Reaction Block for 28 x 57 mm 20 ml scintillation vials and 28 x 70 mm 30 ml scintillation flat bottom vials, 11 positions  | 1   |
| OP-6600-12 | Reaction Block for 28 x 70 mm 40 ml scintillation vials and 28 x 95 mm 60 ml scintillation flat bottom vials, 11 positions, two tier design   | 1   |
| OP-6600-18 | Reaction Block for 14 mm OD haystack sample storage vials, 24 positions   | 1   |
| OP-6600-20 | Reaction Block for 16 x 83 mm 0,5 - 2 ml tapered microwave vials, 24 positions, two tier design   | 1   |
| OP-6600-21 | Reaction Block for 16 x 83 mm 2 - 5 ml round bottom microwave vials, 24 positions, two tier design  | 1   |
| OP-6600-22 | Reaction Block for 28 x 83 mm 10 - 20 ml round bottom microwave vials, 8 positions, two tier design   | 1   |
| OP-6600-30 | Reaction Block for 10 x 75 mm round bottom tubes, 70 positions  | 1   |
| OP-6600-34 | Reaction Block for 12 x 75 mm round bottom tubes, 40 positions  | 1   |
| OP-6600-36 | Reaction Block for 13 x 100 mm round bottom tubes, 24 positions, two tier design  | 1   |
| OP-6600-38 | Reaction Block for 16 x 100 mm round bottom tubes, 24 positions, two tier design  | 1   |
| OP-6600-40 | Reaction Block for 18 x 100 mm round bottom tubes, 24 positions, two tier design  | 1   |
| OP-6600-42 | Reaction Block for 25 x 100 mm round bottom tubes, 12 positions, two tier design  | 1   |
| OP-6600-90 | Multi-Vial Reaction Block, 25 positions<br>4 positions for 20 - 30 ml vials, 5 positions for 8 ml vials or 2 - 5 ml microwave vials, 7 positions for 4 ml vials, 9 positions for 12 x 32 mm autosampler vials | 1   |

**Price:** Prices in Euro per unit, excluding VAT.

**Freight charges:** Germany: We charge Euro 20.00 for delivery. Large delivery on a palette: please enquire. Below a net order value of Euro 100.00 an additional charge of Euro 8.00 will apply. Other countries: Please contact us for further information.

**Payment terms:** 30 days net or against pro forma invoice.

Prices are subject to change without notice. Prices supersede all prices in previous documents. No responsibility is taken for the accuracy of the information.

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