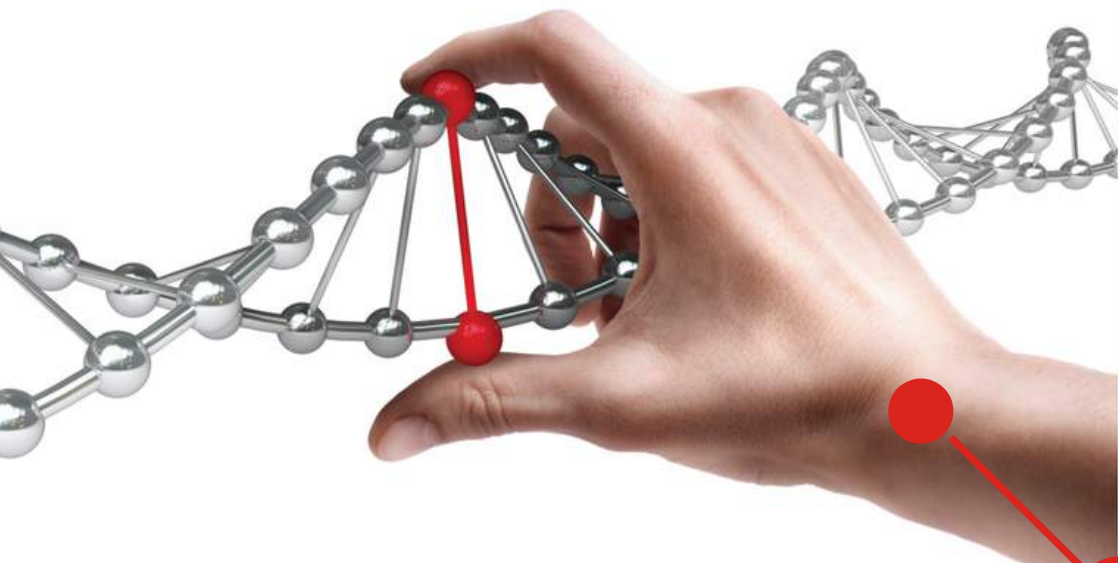


LABORATORY EQUIPMENT



- **CENTRIFUGES**
- **INCUBATORS**
- **HOMOGENISERS**
- **SHAKERS & STIRRERS**
- **WATER BATHS**

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CENTRIFUGES

CENTRIC CF 220

- Ergonomic and user-friendly clinical centrifuge.
- Provided with eight place angle rotor for tubes from 3 ml to 15 ml.
- Easy clean, stainless steel chamber.
- Large illuminated LCD display for clear visibility of set parameters.



| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|--------------------------------|----------------|--------------|
| CENTRIC CF 220 | | |
| 230V / 50 - 60 Hz | 442742 | 232.005 |
| CENTRIC CF 220 | | |
| 230V / 50 - 60 Hz | 466524 | 232.005/UK |
| CENTRIC CF 220 120V | | |
| 120V / 50 - 60 Hz | 445418 | 1232.005 |
| CENTRIC CF 220 IVD | | |
| 230V / 50 - 60 Hz | 465561 | 232.005/IVD |
| CENTRIC CF 220 IVD 120V | | |
| 120V / 50 - 60 Hz | 465562 | 1232.005/IVD |

| TECHNICAL DATA | CENTRIC CF 220 |
|----------------------------------|---|
| Max. rotation speed | 200 to 6.000 rpm in steps of 100 rpm |
| Max. centrifugal force | 100 do 4.180 x g in steps of 100 x g |
| Max. capacity | 8 x 15 ml |
| Time | 10s to 99:50min, in steps of 10s, continuous run at HOLD function |
| Programs | 100 |
| Acceleration & Deceleration | 10 / 10 levels |
| Noise level (at max. speed) | ≤ 59 dBA |
| Fast spin with preselected speed | Yes |
| Permitted ambient conditions | Temperature: 2°C to 35°C, Humidity: 75%, non-condensing |
| Operation control | Microprocessor |
| Motor type | Brushless induction motor, maintenance free |
| Dimensions (W x D x H) | 280 x 370 x 226 mm |
| Weight | 13,9 kg |

CENTRIFUGES

CENTRIC MF 220

- Ergonomic and user-friendly, multi-purpose centrifuge.
- Provided with seven different rotors, for processing tubes from 1,5-2,0 ml microtubes, up to 50 ml conical tubes.
- Easy clean, stainless steel chamber.
- Large illuminated LCD display for clear visibility of set parameters.



| TECHNICAL DATA | CENTRIC MF 220 |
|----------------------------------|---|
| Max. rotation speed | 200 to 15.500 rpm in steps of 100 rpm |
| Max. centrifugal force | 100 to 25.785 x g in steps of 100 x g |
| Max. capacity | 6 x 50 ml |
| Time | 10s to 99:50min, in steps of 10s, continuous run at HOLD function |
| Programs | 100 |
| Acceleration & Deceleration | 10 / 10 levels |
| Noise level (at max. speed) | ≤ 59 dBA |
| Fast spin with preselected speed | Yes |
| Permitted ambient conditions | Temperature: 2°C to 35°C, Humidity: 75% non-condensing |
| Operation control | Microprocessor |
| Motor type | Brushless induction motor, maintenance free |
| Dimensions (W x D x H) | 280 x 370 x 226 mm |
| Weight | 14,4 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|--------------------------------|----------------|--------------|
| CENTRIC MF 220 | | |
| 230V / 50 - 60 Hz | 442743 | 232.010 |
| CENTRIC MF 220 | | |
| 230V / 50 - 60 Hz | 466525 | 232.010/UK |
| CENTRIC MF 220 120V | | |
| 120V / 50 - 60 Hz | 445419 | 1232.010 |
| CENTRIC MF 220 IVD | | |
| 230V / 50 - 60 Hz | 465564 | 232.010/IVD |
| CENTRIC MF 220 IVD 120V | | |
| 120V / 50 - 60 Hz | 465565 | 1232.010/IVD |

CENTRIC MF 220 ACCESSORIES



ANGLE ROTOR WITH TRANSPARENT PLASTIC LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 15500 rpm.
- Max. centrifugal force: 22830 x g.
- **RA 24/2 - Order ref. No.: 437480**



ANGLE ROTOR WITH TRANSPARENT PLASTIC LID

- 12 x 5,0 ml.
- Max. tube dimensions: $\phi 17 \times 54$ mm.
- Max. speed: 15500 rpm.
- Max. centrifugal force: 25785 x g.
- **RA 12/5 - Order ref. No.: 403055**



ANGLE ROTOR WITH SHIELDS

- 8 x 15 ml.
- Optional adapters A 5 for tubes length from 75 mm to 90 mm.
- Max. tube dimensions: $\phi 17 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 4185 x g, with adapters A 5 4090 x g.
- **RA 8/15 - Order ref. No.: 438526**



ANGLE ROTOR WITH SHIELDS

- 12 x 12 ml, 6 x 15 ml.
- Optional adapters A 5 for tubes length from 75 mm to 90 mm.
- Max. tube dimensions: $\phi 17 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 4185 x g, with adapters A 5 4090 x g.
- **RA 12/12 - Order ref. No.: 447993**

CENTRIC MF 220 ACCESSORIES



ANGLE ROTOR WITH SHIELDS

- 6 x 50 ml conical.
- Max. tube dimensions: $\phi 29 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 4185 x g.
- **RA 6/50 - Order ref. No.: 438545**



HEMATOCRIT ROTOR WITH READING DEVICE

- 24 x glass hematocrit capillares.
- Max. capillares dimensions: $\phi 1,6 \times 75$ mm.
- Max. speed: 15500 rpm.
- Max. centrifugal force: 24710 x g.
- **RH 24 - Order ref. No.: 449568**



ANGLE PCR ROTOR

- 4 x 8 PCR strip.
- Max. tube dimensions: $\phi 9 \times 22$ mm.
- Max. speed: 15500 rpm.
- Max. centrifugal force: 15040 x g.
- **RA 4/PCR - Order ref. No.: 449767**

CENTRIFUGES

CENTRIC 250

- Robust, universal, low noise laboratory centrifuge.
- Designed for use in medical, industrial and scientific laboratories.
- Maintenance-free operation without carbon dust pollution.
- Easy clean interior.
- Fast spin: **a maximum rotational speed of 16.200 RPM gives a centrifugal force of 25.200 x g.**
- Brushless drive system.
- Speed limitation system.
- Automatic rotor recognition system.
- Microprocessor controlled lid locking, cover opening, time and speed.
- Adjustable acceleration and braking system.
- Easy to use with a wide range of programming options, standard settings, error detecting functions, and electronic operating controls.
- User adjustable start-stop features.
- Save up to 100 programs.
- Retains the last run program in memory for an unlimited period for immediate restart.
- Operation parameters can be viewed at a glance and quickly executed via the control panel.



| TECHNICAL DATA | CENTRIC 250 / 250 IVD |
|----------------------------------|---------------------------------------|
| Max. rotation speed | 200 to 16.200 rpm, in steps of 10 rpm |
| Max. centrifugal force | 25.200 x g |
| Time | 0 - 99 min, HOLD function |
| Programs | 100 |
| Acceleration & Deceleration | 0 - 9 (10) levels |
| Noise level (at max. speed) | < 62 dB(A) |
| Fast spin with preselected speed | YES |
| Dimensions (W x D x H) | 250 x 300 x 415 mm |
| Weight | 18 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|-------------------------|----------------|-------------|
| CENTRIC 250 | | |
| 230V / 50 - 60 Hz | 333680 | 472.000 |
| CENTRIC 250 | | |
| 230V / 50 - 60 Hz | 462551 | 472.000/UK |
| CENTRIC 250 120V | | |
| 120V / 50 - 60 Hz | 363393 | 1472.000 |
| CENTRIC 250 IVD | | |
| 230V / 50 - 60 Hz | 401712 | 472.000/IVD |



CENTRIC 250 ACCESSORIES



SWING OUT ROTOR WITH BUCKETS

- 6 x 12 ml.
- Max. tube dimensions: $\phi 17 \times 105$ mm .
- Max. speed: 4400 rpm.
- Max. centrifugal force: 2500 x g
- **RS 6/12 - Order ref. No.: 335845**



ANGLE ROTOR WITH AEROSOL-TIGHT LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm
- Max. speed: 16200 rpm.
- Max. centrifugal force: 25200 x g.
- **RA 24/2 - Order ref. No.: 375944**



ANGLE ROTOR WITH AEROSOL-TIGHT LID

- 16 x 5,0 ml.
- Max. tube dimensions: $\phi 17 \times 54$ mm.
- Max. speed: 14000 rpm.
- Max. centrifugal force: 21450 x g.
- **RA 16/5 - Order ref. No.: 403055**



ANGLE ROTOR WITH SHIELDS

- 8 x 15 ml.
- Optional adapters A 5 for tubes length from 75 mm to 90 mm.
- Max. tube dimensions: $\phi 17 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 4020 x g.
- **RA 8/15 - Order ref. No.: 448909**

CENTRIC 250 ACCESSORIES



ANGLE ROTOR WITH SHIELDS

- 6 x 50 ml conical.
- Max. tube dimensions: $\phi 29 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 3620 x g.
- **RA 6/50 - Order ref. No.: 448912**



ANGLE ROTOR WITH LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 16200 rpm.
- Max. centrifugal force: 25200 x g.
- **RA 24/2 - Order ref. No.: 228442**



ANGLE ROTOR WITH LID

- 30 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 14000 rpm.
- Max. centrifugal force: 21450 x g.
- **RA 30/2 - Order ref. No.: 228451**



ANGLE ROTOR WITH SHIELDS

- 12 x 12 ml, 6 x 15 ml.
- Optional adapters A 5 for tubes length from 75 mm to 90 mm.
- Max. tube dimensions: $\phi 17 \times 120$ mm.
- Max. speed: 6000 rpm.
- Max. centrifugal force: 4020 x g.
- **RA 12/12 - Order ref. No.: 448910**

CENTRIC 250 ACCESSORIES



CYTOLOGY ROTOR

- 8 x Cyto funnels.
- Max. funnel volume: 6 ml.
- Max. speed: 2500 rpm.
- Max. centrifugal force: 630 x g.
- **RC 8 - Order ref. No.: 349769**



ANGLE PRC ROTOR

- 6 x 8 PCR strip.
- Max. tube dimensions: $\phi 9 \times 22$ mm.
- Max. speed: 14000 rpm.
- Max. centrifugal force: 19500 x g.
- **RA 6/PCR - Order ref. No.: 273335**



HEMATOCRIT ROTOR WITH READING DEVICE

- 24 x glass hematocrit capillares.
- Max. capillares dimensions: $\phi 1,6 \times 75$ mm.
- Max. speed: 14000 rpm.
- Max. centrifugal force: 20160 x g.
- **RH 24 - Order ref. No.: 246701**

CENTRIFUGES

CENTRIC 350

- Robust, universal, low noise laboratory centrifuge.
- Designed for use in medical, industrial and scientific laboratories.
- Maintenance-free operation without carbon dust pollution.
- Easy clean interior.
- Fast spin: **a maximum rotational speed of 15.000 RPM gives the centrifugal force of 21.630 x g.**
- Brushless drive system.
- Speed limitation system.
- Automatic rotor recognition system.
- Microprocessor controlled lid locking, cover opening, time and speed.
- Adjustable acceleration and braking system.
- Easy to use with a wide range of programming options, standard settings, error detecting functions, and electronic operating controls.
- User adjustable start-stop features.
- Save up to 100 programs.
- Retains the last run program in memory for an unlimited period for immediate restart.
- Operation parameters can be viewed at a glance and quickly executed via the control panel.



| TECHNICAL DATA | CENTRIC 350 |
|----------------------------------|---------------------------------------|
| Max. rotation speed | 200 to 15.000 rpm, in steps of 10 rpm |
| Max. centrifugal force | 21.630 x g |
| Time | 0 - 99 min, HOLD function |
| Programs | 100 |
| Acceleration & Deceleration | 0 - 9 (10) levels |
| Noise level (at max. speed) | < 61 dB(A) |
| Fast spin with preselected speed | YES |
| Dimensions (W x D x H) | 325 x 405 x 500 mm |
| Weight | 32 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|-------------------------|----------------|-------------|
| CENTRIC 350 | | |
| 230V / 50 - 60 Hz | 316346 | 473.000 |
| CENTRIC 350 | | |
| 230V / 50 - 60 Hz | 462547 | 473.000/UK |
| CENTRIC 350 120V | | |
| 120V / 50 - 60 Hz | 363209 | 1473.000 |
| CENTRIC 350 IVD | | |
| 230V / 50 - 60 Hz | 380838 | 473.000/IVD |



CENTRIFUGES

CENTRIC 400 R

- Robust, universal, low noise laboratory centrifuge.
- Designed for use in medical, industrial, and scientific laboratories.
- Maintenance-free operation without carbon dust pollution.
- Easy clean interior.
- **Maximum rotational speed of 18.000 RPM gives the centrifugal force of 31.150 x g.**
- Fast Spin & Quick-COOLING® Features with constant temperature fan system.
- Brushless drive system.
- Speed limitation system.
- Automatic rotor recognition system.
- 2-point lid locking.
- Microprocessor controlled cover opening, time and speed.
- Adjustable acceleration and braking system.
- Easy to use with a wide range of programming options, standard settings, error detecting functions, and electronic operating controls.
- User adjustable start-stop features.
- Save up to 100 programmes.
- Retains the last run program in memory for an unlimited period for immediate restart.
- Operation parameters can be viewed at a glance and quickly executed via the control panel.



| TECHNICAL DATA | CENTRIC 400R |
|----------------------------------|---------------------------------------|
| Max. rotation speed | 500 to 18.000 rpm, in steps of 10 rpm |
| Max. centrifugal force | 31.150 x g |
| Temperature set range | -9°C to +40°C |
| Time | 0 - 99 min, HOLD function |
| Programs | 10 |
| Acceleration & Deceleration | 0 - 9 (10) levels |
| Noise level | < 58 dB(A) |
| Fast spin with preselected speed | YES |
| Fast cooling 22°C to 4°C | YES, < 10 min |
| Dimensions (W x D x H) | 350 x 650 x 545 mm |
| Weight | 79 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|---------------------------|----------------|-------------|
| CENTRIC 400 R | | |
| 230V / 50 - 60 Hz | 270100 | 457.500 |
| CENTRIC 400 R | | |
| 230V / 50 - 60 Hz | 462541 | 457.500/UK |
| CENTRIC 400 R 120V | | |
| 120V / 50 - 60 Hz | 354380 | 1457.500 |
| CENTRIC 400 R IVD | | |
| 230V / 50 - 60 Hz | - | 457.500/IVD |

CENTRIC 350 & 400 R ACCESSORIES



FOUR PLACE SWING OUT ROTOR

- 4 x 100 ml.
- Max. tube dimensions: $\phi 44$ x 100 mm.
- Max. speed: 4400 rpm.
- Max. centrifugal force: 3260 x g.
- **RS 4/100 - Order ref. No.: 270212**
- Associated buckets (B 100 Order ref. No.: 168721; B 100 XL Order ref. No.: 322022).

FOUR PLACE SWING OUT ROTOR

- 4 x 200 ml.
- Max. tube dimensions: $\phi 57$ x 105 mm.
- Max. speed: 4400 rpm.
- Max. centrifugal force: 3260 x g.
- **RS 4/200 - Order ref. No.: 383672**
- Associated buckets (B 200 Order ref. No.: 424173).



TWO PLACE SWING OUT ROTOR FOR MT PLATES

- 6 x MTP.
- Max. plate dimensions: 86 x 128 mm.
- Max. speed: 3000 rpm.
- Max. centrifugal force: 1320 x g.
- **RM 2/3 - Order ref. No.: 270848**
- Associated microtitration buckets (BM 3 Order ref. No.: 168790).



ANGLE ROTOR WITH AEROSOL-TIGHT LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11$ x 40 mm.
- Max. speed: 15000 rpm.
- Max. centrifugal force: 21630 x g.
- **RA 24/2 - Order ref. No.: 375944**

CENTRIC 350 & 400 R ACCESSORIES



ANGLE ROTOR WITH AEROSOL TIGHT LID

- 16 x 5,0 ml.
- Max. tube dimensions: $\phi 17 \times 54$ mm.
- Max. speed: 13000 rpm.
- Max. centrifugal force: 18510 x g.
- **RA 16/5 - Order ref. No.: 403055**



ANGLE ROTOR WITH LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 16200 rpm.
- Max. centrifugal force: 25200 x g.
- **RA 24/2 - Order ref. No.: 228442**



ANGLE ROTOR WITH LID

- 30 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 14000 rpm.
- Max. centrifugal force: 21450 x g.
- **RA 30/2 - Order ref. No.: 228451**



ANGLE ROTOR WITH SHIELDS

- 6 x 50 ml conical with adapters A 15.
- Max. tube dimensions: $\phi 29 \times 120$ mm.
- Max. speed: 4400 rpm.
- Max. centrifugal force: 2700 x g.
- **RA 6/50 - Order ref. No.: 448914**

CENTRIC 350 & 400 R ACCESSORIES



CYTOLOGY ROTOR

- *For Centric 350 only.*
- 12 x Cyto funnels.
- Max. funnel volume: 6 ml.
- Max. speed: 2500 rpm.
- Max. centrifugal force: 860 x g.
- **RC 12 - Order ref. No.: 349771**



ANGLE PCR ROTOR

- 6 x 8 PCR strip.
- Max. tube dimensions: $\phi 9 \times 22$ mm.
- Max. speed: 13000 rpm.
- Max. centrifugal force: 16810 x g.
- **RA 6/PCR - Order ref. No.: 273335**



HEMATOCRIT ROTOR WITH READING DEVICE

- *For Centric 350 only.*
- 24 x glass hematocrit capillares.
- Max. capillares dimensions: $\phi 1,6 \times 75$ mm.
- Max. speed: 13000 rpm.
- Max. centrifugal force: 17380 x g.
- **RH 24 - Order ref. No.: 246701**

DOMEL[®]



SMART LOCK

PATENTED SOLUTION

Rotor exchange without tools



CENTRIFUGES

CENTRIC CF 48/48 R

- Classic, simple, low speed centrifuge.
- Compact design and easy to use.
- With 4x400 ml swing out rotor.
- Excellent capacity to space ratio and enhanced ergonomics.
- Motorised lid opening.
- Save up to 10 programs.
- Smart light illuminated handle to indicate end of run.



| TECHNICAL SPECIFICATIONS | | |
|-------------------------------------|--|--------------------|
| Model | CENTRIC CF48 | CENTRIC CF48-R |
| Power supply | 230V / 50Hz | |
| Max. speed / RCF Swing-out rotor | 4.500 rpm / 3.820 x g | |
| Max. capacity Swing-out rotor | 4 x 400 ml | |
| Control system | microprocessor | |
| Speed range | 500 to 4.500 rpm | |
| Speed precision | 20 rpm | |
| Temperature control range | - | -20°C to +40°C |
| Time | 0 - 99h50 and continuous | |
| Acceleration / Deceleration | 10 / 10 | |
| Program settings | 10 programs | |
| Lid opening | motorized | |
| Motor type | induction | |
| Certification | EC marked: IEC 1010-1; IEC 1010-2-020 directives | |
| Dimensions (HxWxD) | 280 x 420 x 520 mm | 280 x 420 x 750 mm |
| Crating (HxWxD) | 460 x 610 x 650 mm | 460 x 610 x 890 mm |
| Weight (Net/Crated) | 50 / 56 kg | 70 / 79 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|------------------------------|----------------|------------|
| CENTRIC CF 48 | | |
| 230V / 50 - 60 Hz | 407365 | 230.550 |
| CENTRIC CF 48 | | |
| 230V / 50 - 60 Hz | 466519 | 230.550/UK |
| CENTRIC CF 48 R | | |
| 230V / 50 - 60 Hz | 407366 | 230.600 |
| CENTRIC CF 48 R | | |
| 230V / 50 - 60 Hz | 466520 | 230.600/UK |
| CENTRIC CF 48 120 V | | |
| 120V / 50 - 60 Hz | 428492 | 1230.550 |
| CENTRIC CF 48 R 120 V | | |
| 120V / 50 - 60 Hz | 428494 | 1230.600 |

CENTRIC CF 48/48 R ACCESSORIES



TWO PLACE SWING OUT ROTOR FOR MT PLATES

- 6 x MTP.
- Max. plate dimensions: 86 x 128 mm.
- Max. speed: 4100 rpm.
- Max. centrifugal force: 2380 x g.
- **RM 2/6 - Order ref. No.: 424148**
- Associated microtitration buckets (BM 6 Order ref. No.: 424151).



FOUR PLACE SWING OUT ROTOR

- 4 x 400 ml.
- Max. speed: 4500 rpm.
- Max. centrifugal force: 3800 x g.
- **RS 4/400 - Order ref. No.: 424132**
- Associated buckets (B 400 Order ref. No.: 424133).

| Optional inserts for Swing-out rotor 4 x 400 ml | |
|---|-----------------------|
| Inserts for 13 x 1.5/2 ml microtubes | (52 microtubes) |
| Inserts for 14 x 5-7 ml collection tubes | (56 collection tubes) |
| Inserts for 15 x 5-7 ml BD collection tubes | (60 collection tubes) |
| Inserts for 19 x 5-7 ml Terumo coll. tubes | (76 collection tubes) |
| Inserts for 12 x 10 ml collection tubes | (48 collection tubes) |
| Inserts for 7 x 15 ml conical tubes | (28 conical tubes) |
| Inserts for 5 x 20 ml tubes | (20 tubes) |
| Inserts for 3 x 50 ml conical tube | (12 conical tubes) |
| Inserts for 4 x 50 ml BD conical tube | (16 conical tubes) |
| Inserts for 1 x 100 ml tube dia. 52 mm | (4 tubes dia. 52 mm) |
| Inserts for 1 x 150 ml Falcon conical tube | (4 conical tubes) |
| Inserts for 1 x 250 ml tube | (4 tubes) |

CENTRIFUGES

CENTRIC MF 48/48 R

- Compact, versatile, multi-function centrifuge – 4x400 ml.
- Offers precise control of the centrifugation cycle even at low speed: programmable acceleration and braking rates.
- Large range of accessories.
- Offers up to 6 x 100 ml tubes in angle rotors, as well as 76 x 5-7 ml collection tubes and 2 deep well blocks capacity in swing out rotors.
- Enhanced ergonomics including convenient working height, smart lock rapid rotor exchange, and motorised lid opening.
- Save up to 10 programs.
- Smart light illuminated handle to indicate end of run.



| TECHNICAL SPECIFICATIONS | | |
|-----------------------------|--|-------------------------|
| Model | CENTRIC MF48 | CENTRIC MF48-R |
| Power supply | 230 V / 50 Hz 120 V / 60 Hz | |
| Max. speed / RCF | 4.500 rpm / 3.820 x g | |
| Swing-out rotor | 12.600 rpm / 17.800 x g | 14.000 rpm / 20.800 x g |
| Angle rotor | | |
| Max. capacity | 4 x 400 ml | |
| Swing-out rotor | 6 x 100 ml | |
| Angle rotor | | |
| Control system | microprocessor | |
| Speed range | 500 to 12.600 rpm | 500 to 14.000 rpm |
| Speed precision | 20 rpm | |
| Temperature control range | - | -20°C to +40°C |
| Time | 0 - 99h50 and continuous | |
| Acceleration / Deceleration | 10 / 10 | |
| Program settings | 10 programs | |
| Lid opening | motorized | |
| Motor type | induction | |
| Certification | EC marked: IEC 1010-1; IEC 1010-2-020 directives | |
| Dimensions (HxWxD) | 280 x 420 x 520 mm | 280 x 420 x 750 mm |
| Crating (HxWxD) | 460 x 610 x 650 mm | 460 x 610 x 890 mm |
| Weight (Net/Crated) | 50 / 56 kg | 70 / 79 kg |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|------------------------------|----------------|------------|
| CENTRIC MF 48 | | |
| 230V / 50 - 60 Hz | 403189 | 230.000 |
| CENTRIC MF 48 | | |
| 230V / 50 - 60 Hz | 466522 | 230.000/UK |
| CENTRIC MF 48 R | | |
| 230V / 50 - 60 Hz | 403190 | 230.500 |
| CENTRIC MF 48 R | | |
| 230V / 50 - 60 Hz | 466523 | 230.500/UK |
| CENTRIC MF 48 120 V | | |
| 120V / 50 - 60 Hz | 428491 | 1230.000 |
| CENTRIC MF 48 R 120 V | | |
| 120V / 50 - 60 Hz | 409921 | 1230.500 |

CENTRIC MF 48/48 R ACCESSORIES



TWO PLACE SWING OUT ROTOR FOR MT PLATES

- 6 x MTP.
- Max. plate dimensions: 86 x 128 mm.
- Max. speed: 4100 rpm.
- Max. centrifugal force: 2380 x g.
- **RM 2/6 - Order ref. No.: 424148**
- Associated microtitration buckets (BM 6 Order ref. No.: 424151).



FOUR PLACE SWING OUT ROTOR

- 4 x 400 ml.
- Max. speed: 4500 rpm.
- Max. centrifugal force: 3800 x g.
- **RS 4/400 - Order ref. No.: 424132**
- Associated buckets (B 400 Order ref. No.: 424133).

| Optional inserts for Swing-out rotor 4 x 400 ml | |
|---|-----------------------|
| Inserts for 13 x 1.5/2 ml microtubes | (52 microtubes) |
| Inserts for 14 x 5-7 ml collection tubes | (56 collection tubes) |
| Inserts for 15 x 5-7 ml BD collection tubes | (60 collection tubes) |
| Inserts for 19 x 5-7 ml Terumo coll. tubes | (76 collection tubes) |
| Inserts for 12 x 10 ml collection tubes | (48 collection tubes) |
| Inserts for 7 x 15 ml conical tubes | (28 conical tubes) |
| Inserts for 5 x 20 ml tubes | (20 tubes) |
| Inserts for 3 x 50 ml conical tube | (12 conical tubes) |
| Inserts for 4 x 50 ml BD conical tube | (16 conical tubes) |
| Inserts for 1 x 100 ml tube dia. 52 mm | (4 tubes dia. 52 mm) |
| Inserts for 1 x 150 ml Falcon conical tube | (4 conical tubes) |
| Inserts for 1 x 250 ml tube | (4 tubes) |

CENTRIC MF 48/48 R ACCESSORIES



ANGLE ROTOR WITH LID

- 24 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 12600 / 14000 rpm.
- Max. centrifugal force: 17000 / 20800 x g.
- **RA 24/2 - Order ref. No.: 424153**

ANGLE ROTOR WITH LID

- 30 x 1,5/2,0 ml.
- Optional adapters for PCR tubes.
- Max. tube dimensions: $\phi 11 \times 40$ mm.
- Max. speed: 12500 rpm.
- Max. centrifugal force: 17990 x g.
- **RA 30/2 - Order ref. No.: 424154**



ANGLE ROTOR WITH LID

- 10 x 10,0 ml.
- Max. tube dimensions: $\phi 17 \times 105$ mm.
- Max. speed: 12600 / 13000 rpm.
- Max. centrifugal force: 17000 / 18130 x g.
- **RA 10/10 - Order ref. No.: 424159**



ANGLE ROTOR

- 8 x 50 ml conical.
- Optional adapters for 15 ml conical tubes.
- Max. tube dimensions: $\phi 29 \times 120$ mm.
- Max. speed: 10500 / 11300 rpm.
- Max. centrifugal force: 12900 / 15000 x g.
- **RA 8/50 - Order ref. No.: 424155**

CENTRIC MF 48/48 R ACCESSORIES



ANGLE ROTOR

- 6 x 100 ml.
- Max. tube dimensions: $\phi 39 \times 115$ mm.
- Max. speed: 10500 / 11300 rpm.
- Max. centrifugal force: 12900 / 15000 x g.
- **RA 6/100 - Order ref. No.: 424156**



ANGLE ROTOR WITH SHIELDS

- 32 x 15 ml conical.
- Max. tube dimensions: $\phi 17 \times 120$ mm.
- Max. speed: 4400 rpm.
- Max. centrifugal force: 2380 x g.
- **RA 32/15 - Order ref. No.: 424811**

CENTRIFUGES

CENTRIC CF 108 R/GR

- Compact yet high-capacity centrifuge (4x750 ml).
- Available as bench-top or floor standing version.
- Ergonomic design for easy loading and thorough decontamination.
- The SMART Lock system allows quick dismounting of the rotor to decontaminate the chamber.
- High visibility of the centrifugation chamber.
- Smart light illuminated handle to indicate end of run thus optimising the frequency of centrifugation runs and quality of the analyses



| TECHNICAL SPECIFICATIONS | | |
|-------------------------------------|--|--|
| Model | CF108-R Refrigerated Bench Top | CF108-GR Refrigerated Floor Standing |
| Power supply | 230 V / 50 Hz 120 V / 60 Hz | |
| Max. speed / RCF Swing-out rotor | 4.500 rpm / 4.600 x g | |
| Max. capacity Swing-out rotor | 4 x 750 ml | |
| Control system | microprocessor | |
| Speed range | 500 to 4.500 rpm | |
| Speed precision | 20 rpm | |
| Temperature control range | -20°C to +40°C | |
| Time | 0 - 99h50 and continuous | |
| Acceleration / Deceleration | 10 / 10 | |
| Program settings | 10 programs | |
| Lid opening | motorized | |
| Motor type | induction | |
| Certification | EC marked: IEC 1010-1; IEC 1010-2-020 directives | |
| Dimensions (HxWxD) | 323 x 744 x 671 mm | 893 x 536 x 671 mm |
| Crating (HxWxD) | 545 x 890 x 821 mm | 1118 x 736 x 821 mm |
| Weight (Net/Crated) | 118 / 130 kg | 130 / 145 kg |

 **SMART LOCK**



| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|--------------------------------|----------------|------------|
| CENTRIC CF 108 R | | |
| 230V / 50 - 60 Hz | 412022 | 231.000 |
| CENTRIC CF 108 R | | |
| 230V / 50 - 60 Hz | 466516 | 231.000/UK |
| CENTRIC CF 108 GR | | |
| 230V / 50 - 60 Hz | 412023 | 231.500 |
| CENTRIC CF 108 GR | | |
| 230V / 50 - 60 Hz | 466517 | 231.500/UK |
| CENTRIC CF 108 R 120 V | | |
| 120V / 50 - 60 Hz | 418839 | 1231.000 |
| CENTRIC CF 108 GR 120 V | | |
| 120V / 50 - 60 Hz | 428490 | 1231.500 |

CENTRIC CF 108 R/GR ACCESSORIES



FOUR PLACE SWING OUT ROTOR

- 4 x 750 ml.
- Max. speed: 4500 rpm.
- Max. centrifugal force: 4600 x g.
- **RS 4/400 - Order ref. No.: 424161**
- Associated buckets (B 750 Order ref. No.: 424162).
- Associated Microtitration buckets (BM 750 Order ref. No.: 424812).

| Optional inserts for Swing-out rotor 4 x 750 ml | |
|---|------------------------|
| Insert for 22 x 5-7ml collection tubes | (88 collection tubes) |
| Insert for 27 x 5-7ml BD collection tubes | (108 collection tubes) |
| Insert for 31 x 5-7ml Terumo collection tubes | (124 collection tubes) |
| Insert for 20 x 10-15ml collection tube | (80 collection tubes) |
| Insert for 15 x 15ml conical tubes | (60 conical tubes) |
| Insert for 7 x 50ml conical tube | (28 conical tubes) |
| Insert for 1 x 250ml tube flat bottom | (4 flat bottom tubes) |
| Insert for 1 x 250ml Corning conical tube | (4 conical tubes) |
| Insert for 1 x 250ml Falcon conical tube | (4 conical tubes) |
| Insert for 1 x 500ml conical tube | (4 conical tubes) |

INCUBATORS

ANALOG 10L INCUBATOR

- Compact, economically priced benchtop incubator.
- Ideal for microbiology or hematology.
- Door with large window.
- Metal housing and door frame.
- Corrosion resistant, aluminium chamber.
- Single shelf included – can be adjusted to two levels.
- Hydraulic thermostat for precise temperature control.
- Superior temperature stability and uniformity to other incubators in its class.
- Heating elements incorporated into bottom and sides of chamber.
- Grommet hole in the top of the unit to hold thermometer for accurate temperature setting.



TECHNICAL SPECIFICATIONS

| | |
|----------------------------|--------------------------------|
| Model | Mini Incubator |
| Voltage | 230V, 50/60Hz 120V, 50/60Hz |
| Power | 70W |
| Temperature range | Ambient + 5°C to 60°C |
| Controls | Analog |
| Stability | ±0,6°C at 37°C |
| Accuracy | ±5°C |
| Capacity | 10 liters |
| Ambient operation range | 4°C to 40°C |
| Net weight | 8,3kg |
| Chamber dimensions (WxDxH) | 230 x 220 x 200mm |
| Dimensions (WxDxH) | 285 x 280 x 335mm |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|---------------------------------|----------------|------------|
| INCUBATOR 10 Analog | | |
| 230V / 50 - 60 Hz | 273826 | 780.400 |
| INCUBATOR 10 Analog 120V | | |
| 120V / 50 - 60 Hz | 273830 | 1780.400 |

HOMOGENISERS

MILLMIX 20

- Efficient disintegration, homogenisation and mixing in seconds.
- Suitable for use in forensic science, pharmacy, microbiology, biotechnology, veterinary, chemistry, geology, metallurgy, ecology, food and beverage, and nutrition applications.
- Broad range of standard and custom designed jars and tube holders (largest jar capacity 2x50 ml).
- Easy to use one knob controller.
- Prominent LED display.
- Maintenance free as the DC brushless motor is digitally controlled.



Broad range of jars and tube holders

- Hard steel and stainless-steel jars.
- Tungsten Carbide jars.
- Rounded POM Jars.
- Squared POM Jars.
- Customised to meet specific customer requirements.

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|---|----------------|------------|
| MILLMIX 20 | | |
| 230V / 50 - 60 Hz | 289728 | 670.000 |
| MILLMIX 20 (Stainless steel Pharmaceutical) | | |
| 230V / 50 - 60 Hz | 314117 | 670.800 |
| MILLMIX 20 120V | | |
| 120V / 50 - 60 Hz | 308251 | 1670.000 |

| TECHNICAL SPECIFICATIONS | |
|--------------------------|--|
| Model | MILLMIX 20 |
| Voltage | 230 V / 50-60 Hz 115 V / 50-60 Hz |
| Power | 200VA |
| Time | 5s - 99 min 50 sec, up to 10min in steps of 1sec, above in steps of 10s, HOLD function |
| Vibrating frequency | 3 - 30Hz, in steps of 0,1Hz 30Hz equals 3600 strokes/min |
| Stroke | 32mm |
| Max. Sample size | ~ 20mm |
| Max. volume | 2 x 50ml |
| Recommended load | Up to 2 x 600g |
| Net weight | 42kg |
| Dimensions | 365 x 425 x 225mm |

| Grinding jar (nominal vol) | App. sample amount | App. feed size | Balls |
|----------------------------|--------------------|----------------|---------|
| 1,5 ml | 0,5 ml | 1 mm | φ 3 mm |
| 1,5 ml | 0,5 ml | 1 mm | φ 5 mm |
| 5,0 ml | 2,0 ml | 2 mm | φ 7 mm |
| 10 ml | 4,0 ml | 4 mm | φ 10 mm |
| 25 ml | 10,0 ml | 10 mm | φ 15 mm |
| 50 ml | 20,0 ml | 15 mm | φ 25 mm |

HOMOGENISERS

MILLMIX 20 ACCESSORIES

| | | | | |
|--|---|--|--|---|
| STAINLESS STEEL Jars (volume in ml) | HARD STEEL Jars (volume in ml) | POM Jars (volume in ml) | ZYRCONIUM Jars (volume in ml) | TUNGSTEN CARBIDE Jars (volume in ml) |
| 1,5 / 5 / 10 / 25 / 35 / 50 | 1,5 / 5 / 10 / 25 / 35 / 50 | 50 | 35 | 25 |
| STAINLESS STEEL Balls (ϕ in mm) | HARD STEEL Balls (ϕ in mm) | AGATE Balls (ϕ in mm) | | |
| 3 / 5 / 7 / 10 / 12 / 20 / 25 | 3 / 5 / 7 / 10 / 12 / 25 | 10 | | |
| GLASS Balls (ϕ in μ m) | TUNGSTEN CARBIDE Balls (ϕ in mm) | ZYRCONIUM OXIDE Balls (ϕ in mm) | | |
| 100 / 250 | 3 / 5 / 7 / 15 | 15 | | |
| MICRO TUBE Holders | MICROTITER Holders | TUBE Holders | CUSTOM MADE Holders | |
| 1,5ml/2,0ml: 6, 12 and 24 places 0,2ml: 12 places | PTFE & STAINLESS STEEL 96 well (3x standard or 1x deep well plate) | for 5ml, 15ml and 50ml conical tubes | Special holders for homogenization on customer's request | |

COMMON APPLICATIONS

| Material for examination | Field of use | Adaptor |
|---|-------------------------------|---|
| Granite, Marble, Clay mineral | Geology | Stainless steel, 50ml |
| Chicken bone | Biomedicine | Stainless steel, 50ml |
| Slag | Metallurgy | Stainless steel, 50ml |
| Titanium dioxide | Chemical industry | Tungsten carbide, 25ml |
| Ceramic compacts | Processing of ceramic powders | Tungsten carbide, 25ml |
| Hard material (rust, soil, bacteria, fungi, biofilm) | Molecular biology | POM, 6 x 2ml |
| Soft material (tissue, blood, food, bacteria, fungi, cell, plant) | Molecular biology | POM, 6 x 2ml |
| Dry material (rust, soil, food, plant) | Molecular biology | POM, 6 x 2ml |
| Liquid material (blood, food, drink, bacteria, fungi, cell) | Molecular biology | POM, 6 x 2ml |
| Body fluid samples | Medicine | POM, 6 x 2ml |
| Human blood | Biomedicine | POM, 6 x 2ml |
| Dog mastocytoma | Biomedicine veterinary | POM, 6 x 2ml |
| Oil extraction from fermented broth (clavulanic acid) | Pharmacy | Holder for 10 x 50ml conical tubes (FALCON tubes) |
| Disruption of intestine material, isolation of bacteria | Biology | POM, 6 x 2ml |
| DNA Extraction from Frozen Leaves | Biology | Adaptors for 2 ml screw cup tubes |
| Bone and teeth grinding for DNA researches | Forensic science | Stainless steel, 25ml forensic jar |
| Human hair grinding for DNA researches | Forensic science | Stainless steel, 35ml |
| THC definition, Country of Origin of Cannabis flower | Forensic science | POM, 6 x 2ml |
| THC definition, Country of Origin of Cannabis stalk | Forensic science | Stainless steel, 50ml |
| THC definition, Country of Origin of Cannabis plant | Forensic science | Holder for 10 x 50ml conical tubes (FALCON tubes) |
| Definition of active substance and definition of steroidal type | Forensic science | Stainless steel, 50 |
| Chemical analysis of the heavy metals in food | Nutrition | POM jar, 50ml |

HOMOGENISERS

BAGMIX 400

- High performance, low noise homogeniser for microbiological sample preparation.
- Ensures quick and accurate homogenizing of any sample type including food, agricultural, chemical and cosmetic.
- Adjustable speed, time and blending strength.
- Blending capacity: 80 to 400 ml bags.
- The blending effect is achieved by the alternating movement of two stainless steel paddles inside the plastic chamber.
- Digital control, keypad and LED display.
- Remaining time display.
- Program settings mode (10 programs).
- Adjustable timer: 30 to 210 seconds or continuous operation.
- Adjustable speed (strokes/minute): slow, normal, and fast.
- Easy to clean with removable, autoclavable stainless steel door and paddles, removable blending chamber with an integrated waste drawer.



| TECHNICAL SPECIFICATIONS | |
|--------------------------|--|
| Model | BAGMIX 400 |
| Voltage | 230 V / 50-60 Hz 120 V / 50-60 Hz |
| Power | 200W |
| Time | 30 sec - 210 sec, in 10 sec steps, continuous operation (Hold) |
| Speed | 3 levels: slow, normal, fast (450, 550, 650 strokes per minute, with an empty chamber) |
| Stroke of paddles | 35mm |
| Net weight | 28kg |
| Dimensions | 267 x 368 x 352mm |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|------------------------|----------------|------------|
| BAGMIX 400 | | |
| 230V / 50 - 60 Hz | 328015 | 666.000 |
| BAGMIX 400 120V | | |
| 120V / 50 - 60 Hz | 328023 | 1666.000 |

SHAKERS & STIRRERS

VIBROMIX 50

- Large bench top shaker designed for continuous run and heavy loads.
- Suitable for temperature-controlled environments making it ideal for cold rooms or use in heating incubators.
- The universal platform for Erlenmeyer flasks is ideal for growing microbiological cultures.
- Solidly constructed with coated steel housing to reduce motor noise and ensure stability.
- Powerful brushless motor and counterweight shaking mechanism for smooth and long-term maintenance free operation.
- Orbital shaking, 25mm orbit.
- Variable shaker speed over the entire range.
- Easily set parameters using a single encoder knob.
- Operation can be set as timed or continuous.
- Values available on large, three digit LED display.



TECHNICAL SPECIFICATIONS

| | |
|-------------------------------|--|
| Model | VIBROMIX 50 |
| Voltage | 230 V / 50-60 Hz 120 V / 50-60 Hz |
| Power | 250VA |
| Drive | Brushless DC Motor |
| Speed range/ increment | 50 to 400 rpm / 1 rpm |
| Motion | Orbital, 25mm orbit |
| Timer | 0 to 99 min / in steps of 1 sec or continuous |
| Ambient operating temperature | 4°C to 75°C |
| Max. load | 25kg |
| Net weight | 48kg |
| Dimensions | 600 x 550 x 150mm |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|-----------------------------|----------------|--------------|
| VIBROMIX 50 | | |
| 230V / 50 - 60 Hz. | 283271 | 621.000 |
| VIBROMIX 50 120V | | |
| 120V / 50 - 60 Hz. | 392720 | 1621.000 |
| VIBROMIX 50 IVD | | |
| 230V / 50 - 60 Hz. | 448105 | 621.000/IVD |
| VIBROMIX 50 IVD 120V | | |
| 120V / 50 - 60 Hz. | 448119 | 1621.000/IVD |



| Flask volume | Uni Plato 510 510 x 460mm | Number of flasks | Uni Plato 760 760 x 460mm | Number of flasks |
|--------------|------------------------------|------------------|------------------------------|------------------|
| Mixed setup | Order ref. No: 283432 | various | Order ref. No: 328927 | various |
| 125 ml | | 48 | | 65 |
| 250 ml | | 35 | | 40 |
| 500 ml | | 20 | | 24 |
| 1000 ml | | 12 | | 15 |
| 2000 ml | | 8 | | 12 |

SHAKERS & STIRRERS

ROTAMIX SHP 10

- Compact stirring hot plate designed for laboratory stirring and heating applications.
- Capacity 10 litres.
- Heating plate ϕ 140 mm, protected with Teflon® coating.
- Heats to a maximum temperature of 300°C in 10 minutes.
- Heating power 500 W.
- Quiet motor drive with analog electronics.
- Fully adjustable speed and temperature.
- Speed remains constant, even under varying loads.



TECHNICAL SPECIFICATONS

| | |
|-------------------------------|-----------------------------|
| Model | ROTAMIX SHP 10 |
| Voltage | 230V, 50 - 60Hz |
| Power | 540VA |
| Speed range | 200 to 1200 rpm |
| Stirring plate dimension | Teflon® Φ 140, heating |
| Max. heating temperature | 300°C |
| Max. capacity | 10 liters |
| Ambient operating temperature | 4°C to 65°C |
| Net weight | 4,6kg |
| Dimensions | 170 x 265 x 135mm |

| ORDERING INFORMATION | Order ref. No. | DOMEL code |
|----------------------|----------------|------------|
| ROTAMIX SHP 10 | | |
| 230V / 50 - 60 Hz | 225608 | 890.000 |

WATER BATHS

WATER BATH 6

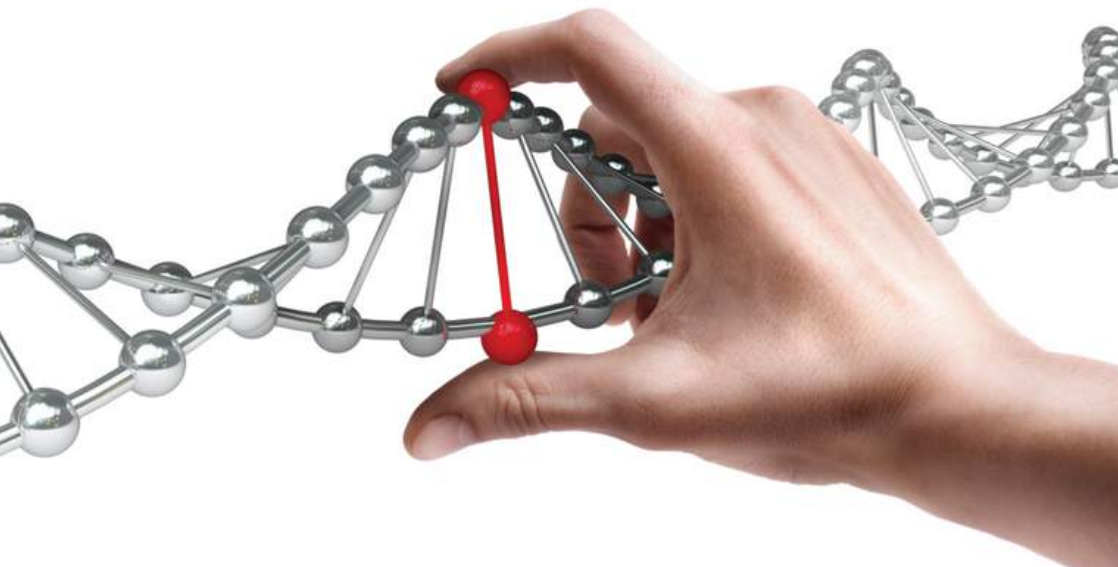
- Small, bench top, digitally controlled water bath (6 litre).
- Powerful heater controlled via LED digital controller.
- Solidly constructed with stainless steel, seamless, corrosion resistant chamber.
- Stainless gable cover included to minimise evaporation.
- Precise temperature control via hydraulic thermostat.
- Optional, non-toxic (non-mercury) thermometer clips onto the gable cover for accurate temperature monitoring.
- Chamber can accommodate plastic tube racks.



| TECHNICAL SPECIFICATONS | | | |
|-------------------------------|--------------------------------------|----------------|------------|
| Model | Digital Water Bath 6l | | |
| Voltage | 230 V / 50-60 Hz 115 V / 50-60 Hz | | |
| Power | 500VA | | |
| Temperature range | Ambient + 5°C to 99°C | | |
| Controls | PID Control | | |
| Temperature accuracy at 37°C | ±0,5°C | | |
| Temperature stability at 37°C | ±0,3°C | | |
| Resolution | 0,1°C | | |
| Chamber volume | 6 liters | | |
| Chamber maximum load | 9 kg | | |
| Net weight | 8,6 kg | | |
| Dimensions | 380 x 290 x 330 mm | | |
| Chamber Dimensions | 300 x 150 x 150 mm | | |
| ORDERING INFORMATION | | Order ref. No. | DOMEL code |
| WATER BATH 6 | | | |
| 230V / 50 - 60 Hz | | 273552 | 785.500 |
| WATER BATH 6 120V | | | |
| 120V / 50 - 60 Hz | | 273564 | 1785.500 |

DOMEL

EUROPEAN LABORATORY EQUIPMENT MANUFACTURER



Ocon Chemicals is a leading supplier of laboratory equipment, chemicals, glassware and consumables, as well as bulk ingredients for a wide range of manufacturing and laboratory environments in Ireland and UK. Our customer base includes Pharma, Medical Device, Bio-processing, Food and Beverage, Healthcare, Education, and Independent Laboratories.

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The logo for OCON chemicals Ltd features the word "OCON" in a large, bold, black sans-serif font. The letter "O" is stylized as a thick black ring. Below "OCON" is the text "chemicals Ltd" in a smaller, black sans-serif font. A horizontal green line runs through the middle of the "O" and the text below it.