



COLD CHAIN
EQUIPMENT

MF SERIES

TEMPERATURE RANGE -15°C to -25°C
VACCINE / ICEPACK FREEZERS



| DIMENSIONS | MF 114 | MF 214 | MF 314 |
|---|------------------|------------------|------------------|
| Height, mm | 910 | 910 | 910 |
| Width, mm | 720 | 1120 | 1560 |
| Depth, mm with handle | 700 | 700 | 700 |
| Gross weight, kg (incl. packaging) | 69,90 | 93 | 117,2 |
| Net weight, kg | 62,2 | 71,30 | 80 |
| Packed dimensions HxWxD, mm | 1025x785x727 | 1025x1185x727 | 1025x1620x727 |
| Shipping volume m3 | 0,58 | 0,88 | 1,21 |
| SPECIFICATIONS | | | |
| Gross volume, L | 105 | 171 | 281 |
| Icepack freezing capacity, kg/24h | 7,2 | 7,2 | 7,2 |
| Icepack storage capacity, pcs | 64 x 0,6 L | 160 x 0,6L | 256 x 0,6L |
| Temperature range (+43°C AMB) | -15° to -25°C | -15° to -25°C | -15° to -25°C |
| Hold-over time, hours (+43°C AMB) | 2,8 | 2,9 | 4,0 |
| Energy consumption - stable, kWh/24h | 2,24 | 3,00 | 4,23 |
| Energy consumption - cool down, kWh/24h | 2,41 | 2,96 | 4,29 |
| Refrigerant | R600a | R600a | R600a |
| WHO PQS code | E003/024 | E003/025 | E003/023 |
| Climate class | T | T | T |
| FEATURES | | | |
| Storage baskets, no | 2 | 2 | 3 |
| Temperature control | Automatic | Automatic | Automatic |
| Lock + keys | YES | YES | YES |
| Adjustable legs | YES, 10 cm | YES, 10cm | YES, 10cm |
| Junction box | YES | YES | YES |
| Safety thermostat | NO | NO | NO |
| Appliance plugs | E, F, G | E, F, G | E, F, G |
| Industrial grade locking mechanism | YES | YES | YES |
| Fridge-tag 2E | YES | YES | YES |
| LOADING QUANTITIES | | | |
| Qty. per 20' / 40' container | 44 / 92 | 24 / 60 | 18 / 42 |
| Qty. per truck (EU standard) | 108 | 72 | 48 |
| VOLTAGE REGULATION RANGE | | | |
| 220-240V/50/60Hz | 110-278V/50/60Hz | 110-278V/50/60Hz | 110-278V/50/60Hz |
| 100-127V/50/60Hz | 82-159V/50/60Hz | 82-159V/50/60Hz | 82-159V/50/60Hz |



**COLD CHAIN
EQUIPMENT**

ICELINED REFRIGERATOR SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS A AC



| DIMENSIONS | VLS 174A AC | VLS 204A AC | VLS 304A AC | VLS 354A AC | VLS404A AC | VLS 504A AC |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Height, mm | 950 | 910 | 910 | 910 | 910 | 910 |
| Width, mm | 550 | 720 | 920 | 1120 | 1260 | 1560 |
| Depth, mm with handle | 650 | 700 | 700 | 700 | 700 | 700 |
| Gross weight, kg (incl. packaging) | 84,70 | 116,4 | 132,20 | 148,4 | 159 | 193,7 |
| Net weight, kg | 63,80 | 91,4 | 104,80 | 118 | 127,2 | 172 |
| Packed dimensions HxWxD, mm | 1055x610x675 | 1025x785x727 | 1025x980x727 | 1025x1185x727 | 1025x 320x727 | 1025x1620x727 |
| Shipping volume m3 | 0,43 | 0,58 | 0,73 | 0,88 | 0,98 | 1,21 |
| SPECIFICATIONS | | | | | | |
| Gross volume, L | 50 | 113 | 157 | 209 | 235 | 314 |
| Net volume, L | 38 | 60 | 98 | 127 | 145 | 242 |
| Temperature range (+43°C AMB) | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C |
| Hold-over time, hours (+43°C AMB) | 57,52 | 54 | 55,5 | 54,7 | 55 | 55,3 |
| Energy consumption - stable, kWh/24h | 0,504 | 0,57 | 0,60 | 0,62 | 0,67 | 0,64 |
| Energy consumption - cool down, kWh/24h | N/A | 0,58 | 0,69 | 0,64 | 0,69 | N/A |
| Refrigerant | R600a | R600a | R600a | R600a | R600a | R600a |
| Freeze protection, grade | A | A | A | A | A | A |
| Climate class | T | T | T | T | T | T |
| WHO PQS code | E003/120 | E003/109 | E003/110 | E003/111 | E003/112 | E003/113 |
| FEATURES | | | | | | |
| Storage baskets, no. top | 1 | 2 | 3 | 4 | 4 | 6 |
| Storage baskets, no. bottom | 1 | 1 | 2 | 3 | 3 | 4 |
| Temperature control | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Lock + keys | YES | YES | YES | YES | YES | YES |
| Junction box | YES | YES | YES | YES | YES | YES |
| Adjustable legs | YES, 10cm | YES, 10cm | YES, 10cm | YES, 10cm | YES, 10cm | YES, 10cm |
| Safety thermostat | YES | YES | YES | YES | YES | YES |
| Appliance plugs | E, F, G | E, F, G | E, F, G | E, F, G | E, F, G | E, F, G |
| Industrial grade locking mechanism | YES | YES | YES | YES | YES | YES |
| EMS as an option | YES | YES | YES | YES | YES | YES |
| LOADING QUANTITIES | | | | | | |
| Qty. per 20' / 40/ container | 44 / 92 | 44 / 92 | 36 / 72 | 26 / 60 | 24 / 50 | 18 / 42 |
| VOLTAGE REGULATION RANGE | | | | | | |
| 220-240V 50/60Hz | 110-278V 50/60Hz | 110-278V 50/60Hz | 110-278V 50/60Hz | 110-278V 50/60Hz | 110-278V 50/60Hz | 110-278V 50/60Hz |
| 100-127V 50/60Hz | 82-159V 50/60Hz | 82-159V 50/60Hz | 82-159V 50/60Hz | 82-159V 50/60Hz | 82-159V 50/60Hz | 82-159V 50/60Hz |



COLD CHAIN
EQUIPMENT

TRUE COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C



| DIMENSIONS | | VLS 096A RF SDD |
|--------------------------------------|--|-----------------|
| Height, mm | | 940 |
| Width, mm | | 1510 |
| Depth, mm with handle | | 750 |
| Gross weight, kg (incl. packaging) | | 190 |
| Net weight, kg | | 150 |
| Packed dimensions HxWxD, mm | | 1065x1560x785 |
| Shipping volume m3 | | 1,31 |
| REFRIGERATOR SPECIFICATIONS | | |
| Gross volume, L | | 147 |
| Net volume, L | | 110 |
| Temperature range (+43°C AMB) | | +2°C to +8°C |
| Autonomy, hours (+43°C AMB) | | 114,33 |
| Refrigerant | | R600a |
| Freeze protection, grade | | A |
| Climate class | | T |
| WHO PQS code | | E003/132 |
| FREEZER SPECIFICATIONS | | |
| Gross volume, L | | 50 |
| Water pack storage capacity, L | | 28 x 0.6 |
| Water pack freezing capacity, kg/24h | | 2.4 |
| Temperature range (+43°C AMB) | | -15° to -25°C |
| Refrigerant | | R290 + R600a |
| FEATURES | | |
| Storage baskets, no | | 2 |
| Temperature control | | Automatic |
| Lock + keys | | YES |
| Junction box | | YES |
| Adjustable legs | | YES, 10cm |
| Safety thermostat | | YES |
| Charging port | | USB A 5V |
| EMS as option | | YES |
| Industrial grade locking mechanism | | YES |
| Automatic drainage system | | YES |
| LOADING QUANTITIES | | |
| Qty. per 20' / 40' container | | 12 / 22 |
| *incl. solar panels | | |



COLD CHAIN
EQUIPMENT

SOLAR REFRIGERATOR SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS A SDD



| DIMENSIONS | VLS 024A SDD | VLS 054A SDD | VLS 094A SDD | VLS 154A SDD |
|---|------------------|------------------|-----------------|-------------------|
| Height, mm | 950 | 910 | 910 | 910 |
| Width, mm | 550 | 720 | 920 | 1260 |
| Depth, mm with handle | 650 | 700 | 700 | 700 |
| Gross weight, kg (incl. packaging) | 67,8 | 110,5 | 127,9 | 133,8 |
| Net weight, kg | 52,8 | 85 | 107 | 103,8 |
| Packed dimensions HxWxD, mm | 1055 x 610 x 675 | 1025 x 785 x 727 | 1025 x 980x 727 | 1025 x 1320 x 727 |
| Shipping volume m3 | 0,43 | 0,58 | 0,73 | 0,98 |
| SPECIFICATIONS | | | | |
| Gross volume, L | 33 | 108 | 151 | 248 |
| Net volume, L | 25,5 | 55,5 | 92 | 170 |
| Temperature range (+43°C AMB) | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C |
| Autonomy, hours (+43°C AMB) | 82 | 72,4 | 72,5 | 73,4 |
| Energy consumption - stable, kWh/24h | 0.25 | 0.35 | 0.24 | 0.56 |
| Energy consumption - cool down, kWh/24h | 0.25 | 0.69 | 0.45 | 0.55 |
| Refrigerant | R600a | R600a | R600a | R600a |
| Freeze protection, grade | A | A | A | A |
| Climate class | T | T | T | T |
| WHO PQS code | E003/069 | E003/106 | E003/107 | E003/108 |
| FEATURES | | | | |
| Storage baskets, no. top | 1 | 2 | 1 | 4 |
| Storage baskets, no. bottom | 0 | 1 | 1 | 0 |
| Temperature control | Automatic | Automatic | Automatic | Automatic |
| Lock + keys | YES | YES | YES | YES |
| Junction box | YES | YES | YES | YES |
| Adjustable legs | YES, 10cm | YES, 10cm | YES, 10cm | YES, 10cm |
| Safety thermostat | YES | YES | YES | YES |
| Appliance plugs | E, F, G | E, F, G | - | - |
| Charging port | USB A 5V | USB A 5V | USB A 5V | USB A 5V |
| Industrial grade locking mechanism | YES | YES | YES | YES |
| EMS as option | YES | YES | YES | YES |
| LOADING QUANTITIES | | | | |
| Qty. per 20' / 40' container | 23 / 60 | 28 / 60 | 22 / 48 | 22 / 48 |
| *incl. solar panels | | | | |



COLD CHAIN
EQUIPMENT

ICELINED COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS RF AC



| DIMENSIONS | | VLS 064 RF AC |
|--------------------------------------|--|------------------|
| Height, mm | | 910 |
| Width, mm | | 720 |
| Depth, mm with handle | | 700 |
| Gross weight, kg (incl. packaging) | | 104,5 |
| Net weight, kg | | 81,5 |
| Packed dimensions HxWxD, mm | | 1025 x 785 x 727 |
| Shipping volume m3 | | 0,58 |
| SPECIFICATIONS | | |
| Gross volume, L | | 75 |
| Net volume, L | | 52,5 |
| Temperature range (+43°C AMB) | | +2°C to +8°C |
| Icepack freezing capacity, kg/24h | | 1,6 |
| Icepack storage capacity, pcs | | 6 x 0,6 L |
| Hold-over time, hours (+43°C AMB) | | 45 |
| Energy consumption - stable, kWh/24h | | 0,63 |
| Refrigerant | | R600a |
| Freeze protection, grade | | A |
| Climate class | | T |
| WHO PQS code | | E003/070 |
| FEATURES | | |
| Storage baskets, no | | 1 |
| Temperature control | | Automatic |
| Lock + keys | | YES |
| Junction box | | YES |
| Adjustable legs | | YES, 10cm |
| Safety thermostat | | YES |
| Appliance plugs | | E, F, G |
| Industrial grade locking mechanism | | YES |
| Fridge-tag 2E | | YES |
| EMS as option | | YES |
| LOADING QUANTITIES | | |
| Qty. per 20' / 40' container | | 44 / 92 |
| VOLTAGE REGULATION RANGE | | |
| 220-240V/50/60Hz | | 110-278V/50/60Hz |
| 100-127V/50/60Hz | | 82-159V/50/60Hz |



COLD CHAIN
EQUIPMENT

SOLAR COMBI SERIES

TEMPERATURE RANGE +2°C to +8°C

VLS RF SDD



| DIMENSIONS | VLS 026 RF SDD | VLS 056 RF SDD | VLS 076 RF SDD |
|--------------------------------------|-------------------|-------------------|-------------------|
| Height, mm | 950 | 950 | 950 |
| Width, mm | 1110 | 1110 | 1110 |
| Depth, mm with handle | 650 | 650 | 700 |
| Gross weight, kg (incl. packaging) | 141 | 133 | 162 |
| Net weight, kg | 110 | 100 | 125 |
| Packed dimensions HxWxD, mm | 1065 x 1168 x 677 | 1065 x 1168 x 677 | 1073 x 1338 x 725 |
| Shipping volume m ³ | 0,84 | 0,84 | 1,04 |
| REFRIGERATOR SPECIFICATIONS | | | |
| Gross volume, L | 35 | 49 | 111 |
| Net volume, L | 20 | 36 | 61 |
| Temperature range (+43°C AMB) | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C |
| Autonomy, hours (+43°C AMB) | 73,2 | 72 | 89,32 |
| Refrigerant | R600a | R600a | R600a |
| Freeze protection, grade | A | A | A |
| Climate class | T | T | T |
| WHO PQS code | E003/091 | E003/092 | E003/119 |
| FREEZER SPECIFICATIONS | | | |
| Gross volume, L | 34 | 34 | 34 |
| Water pack storage capacity, L | 29 x 0.6 | 29 x 0.6 | 29 x 0.6 |
| Water pack freezing capacity, kg/24h | 1.8 | 1.8 | 1.8 |
| Temperature range (+43°C AMB) | -15° to -25°C | -15° to -25°C | -15° to -25°C |
| Refrigerant | R290 + R600a | R290 + R600a | R290 + R600a |
| FEATURES | | | |
| Storage baskets, no | 1 | 1 | 2 |
| Temperature control | Automatic | Automatic | Automatic |
| Lock + keys | YES | YES | YES |
| Junction box | YES | YES | YES |
| Adjustable legs | YES, 10cm | YES, 10cm | YES, 10cm |
| Safety thermostat | YES | YES | YES |
| Charging port | USB A 5V | USB A 5V | USB A 5V |
| Industrial grade locking mechanism | YES | YES | YES |
| EMS as option | YES | YES | YES |
| LOADING QUANTITIES | | | |
| Qty. per 20' / 40' container | 13 / 36 | 13 / 36 | 10/30 |
| *incl. solar panels | | | |



COLD CHAIN
EQUIPMENT

SOLAR FREEZER SERIES

TEMPERATURE RANGE -15°C to -25°C

VLS SDD



| DIMENSIONS | | VFS 048 SDD |
|---|--|------------------|
| Height, mm | | 950 |
| Width, mm | | 550 |
| Depth, mm with handle | | 650 |
| Gross weight, kg (incl. packaging) | | 73 |
| Net weight, kg | | 58 |
| Packed dimensions HxWxD, mm | | 1055 x 610 x 675 |
| Shipping volume m3 | | 0,43 |
| SPECIFICATIONS | | |
| Gross volume, L | | 34 |
| Net volume, L | | 25.5 |
| Autonomy, hours (+43°C AMB) | | 48 |
| Energy consumption - stable, kWh/24h | | N/A |
| Energy consumption - cool down, kWh/24h | | N/A |
| Freeze protection, grade | | A |
| Climate class | | T |
| WHO PQS code | | E003/099 |
| FREEZER SPECIFICATIONS | | |
| Water pack storage capacity, L | | 29 x 0.6 |
| Water pack freezing capacity, kg/24h | | 1.6 |
| Temperature range (+43°C AMB) | | -15° to -25°C |
| Refrigerant | | R290 + R600a |
| FEATURES | | |
| Storage baskets, no | | 0 |
| Temperature control | | Automatic |
| Lock + keys | | YES |
| Junction box | | YES |
| Adjustable legs | | YES, 10cm |
| Safety thermostat | | YES |
| Charging port | | USB A 5V |
| Appliance plugs | | E, F, G |
| Industrial grade locking mechanism | | YES |
| LOADING QUANTITIES | | |
| Qty. per 20' / 40' container | | 23/60 |
| *incl. solar panels | | |