Refra®

GFX 42
SDC 90

# BUFFER TANKS & CALORIFIERS

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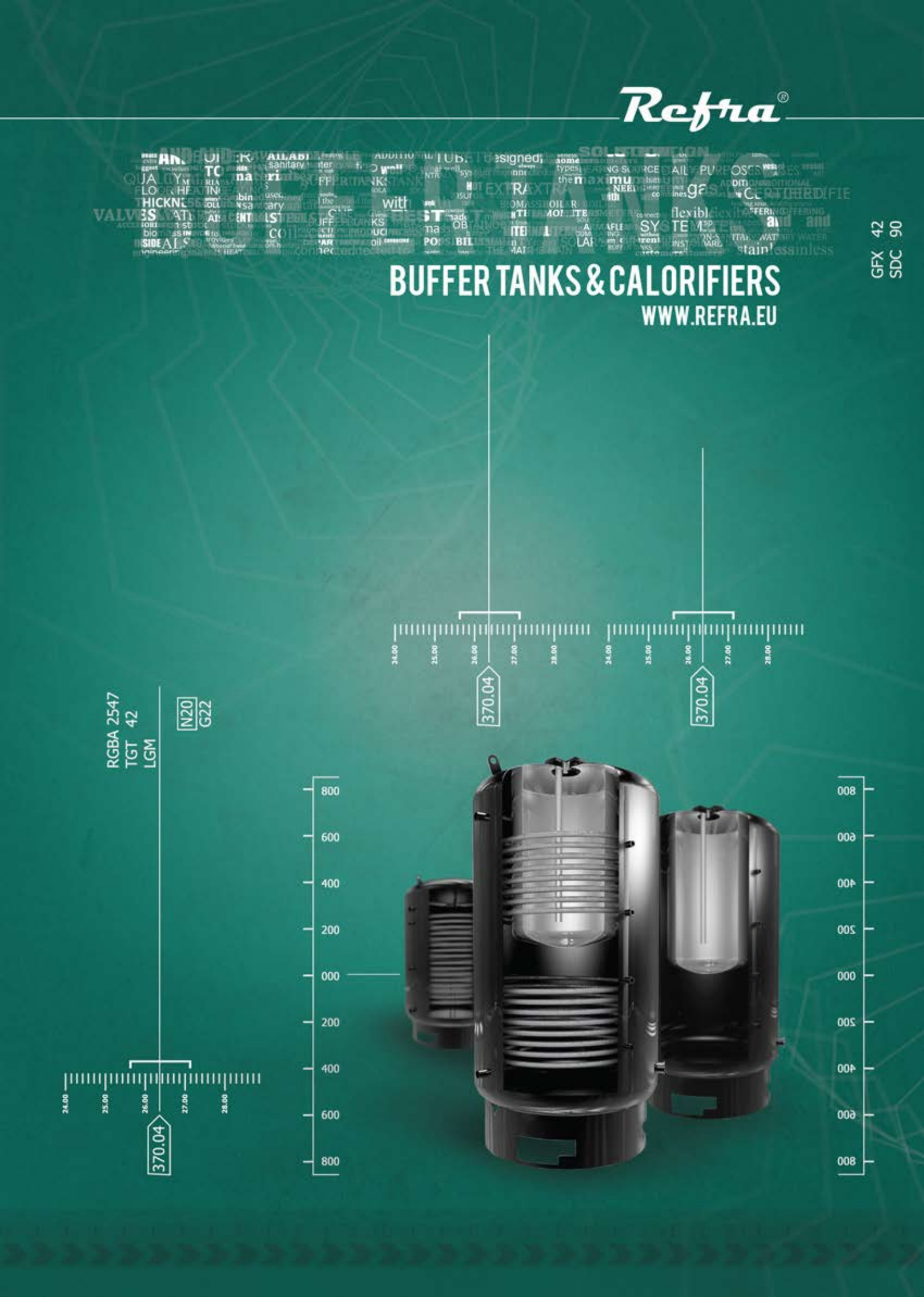


# BUFFER TANKS & CALORIFIERS

## SIMPLE

**Material:** Carbon steel S355, powder coated; AISI 304; AISI 316
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +80°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C (after 1st hour)


| Model | Volume |
|---|---|
| | *Litres* |
| FG0-V200D65PL50 | 200 |
| FG0-V300D65PL50 | 300 |
| FG0-V400D65PL50 | 400 |
| FG0-V500D65PL50 | 500 |
| FG0-V600D65PL50 | 600 |
| FG0-V800D85PL50 | 800 |
| FG0-V1000D85PL50 | 1000 |
| FG0-V1200D110PL50 | 1200 |
| FG0-V1400D110PL50 | 1400 |
| FG0-V1500D110PL50 | 1500 |
| FG0-V1600D110PL50 | 1600 |
| FG0-V1800D110PL50 | 1800 |
| FG0-V2000D110PL50 | 2000 |

## COMBI-1

**Material:** Carbon steel S355; Stainless steel AISI 304 or AISI 316
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +60°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C


| Model | Volume | Diameter, D | Height, H | Dimensions, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | *Litres* | *mm* | *mm* | *H1* | *H2* | *H3* | *H4* | *H5* | *H6* | *H7* |
| FH4-V200D65PL50 | 200 | 650 | 900 | 80 | 310 | 320 | 372 | 449 | 527 | 604 |
| FH4-V300D65PL50 | 300 | | 1200 | | | | 396 | 549 | 701 | 854 |
| FH4-V400D65PL50 | 400 | | 1500 | | | | 430 | 650 | 870 | 1090 |
| FH4-V500D65PL50 | 500 | | 1800 | | | | 468 | 763 | 1058 | 1353 |
| FH4-V600D65PL50 | 600 | | 2100 | | | | 505 | 875 | 1245 | 1615 |
| FH4-V800D85PL50 | 800 | 850 | 1750 | | 350 | 360 | 495 | 765 | 1035 | 1305 |
| FH4-V1000D85PL50 | 1000 | | 2100 | | | | 539 | 896 | 1254 | 1611 |
| FH4-V1200D110PL50 | 1200 | 1100 | 1600 | | 400 | 410 | 511 | 714 | 916 | 1119 |
| FH4-V1400D110PL50 | 1400 | | 1800 | | | | 536 | 789 | 1041 | 1294 |
| FH4-V1500D110PL50 | 1500 | | 1960 | | | | 556 | 849 | 1141 | 1434 |
| FH4-V1600D110PL50 | 1600 | | 2050 | | | | 568 | 883 | 1198 | 1513 |
| FH4-V1800D110PL50 | 1800 | | 2250 | | | | 593 | 958 | 1323 | 1688 |
| FH4-V2000D110PL50 | 2000 | | 2420 | | | | 614 | 1021 | 1429 | 1836 |

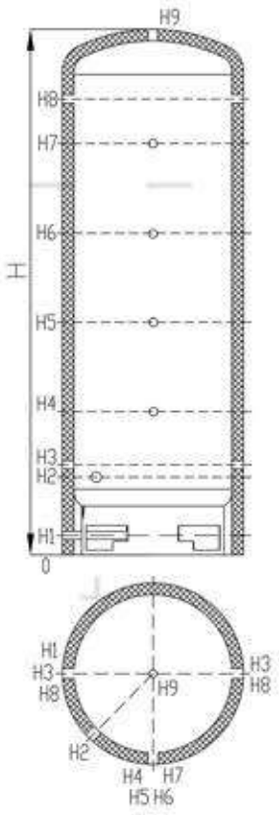
* Heat source biomas/gas boiler

** Sanitary water according UNI CTI 8065

**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

| | | | | | |
|---|---|---|---|---|---|
| 1 | Drain | 4 | Thermometer | 7 | Thermomanometer |
| 2 | Electrical heater | 5 | Anode | 8 | Hot water (circulation) |
| 3 | Cold water (circulation) | 6 | Manomether | 9 | Hot water outlet |

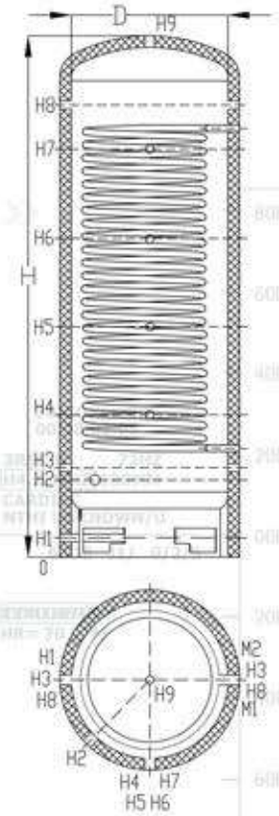
| Diameter, D | Height, H | Dimensions, mm | | | | | | | | | Connections | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *mm* | *mm* | *H1* | *H2* | *H3* | *H4* | *H5* | *H6* | *H7* | *H8* | *H9* | *1* | *2* | *3* | *4-7* | *8-9* |
| 650 | 900 | 80 | 310 | 320 | 372 | 449 | 527 | 604 | 630 | 900 | 3/4" | | 1" | | 1" |
| | 1200 | | | | 396 | 549 | 701 | 854 | 930 | 1200 | | | | | |
| | 1500 | | | | 430 | 650 | 870 | 1090 | 1200 | 1500 | | | | | |
| | 1800 | | | | 468 | 763 | 1058 | 1353 | 1500 | 1800 | | | | | |
| | 2100 | | | | 505 | 875 | 1245 | 1615 | 1800 | 2100 | | | | | |
| 850 | 1750 | 80 | 350 | 360 | 495 | 765 | 1035 | 1305 | 1440 | 1750 | | | | | |
| | 2100 | | | | 539 | 896 | 1254 | 1611 | 1790 | 2100 | | 3/2" | | 1/2" | |
| 1100 | 1600 | 80 | 400 | 410 | 511 | 714 | 916 | 1119 | 1220 | 1600 | 1" | | 3/2" | | 3/2" |
| | 1800 | | | | 536 | 789 | 1041 | 1294 | 1420 | 1800 | | | | | |
| | 1960 | | | | 556 | 849 | 1141 | 1434 | 1580 | 1960 | | | | | |
| | 2050 | | | | 568 | 883 | 1198 | 1513 | 1670 | 2050 | | | | | |
| | 2250 | | | | 593 | 958 | 1323 | 1688 | 1870 | 2250 | | | | | |
| | 2420 | | | | 614 | 1021 | 1429 | 1836 | 2040 | 2420 | | | | | |




**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

| | | | | | |
|---|---|---|---|---|---|
| 1 | Drain | 4 | Thermometer | 7 | Thermomanometer |
| 2 | Electrical heater | 5 | Anode | 8 | Hot water (circulation) |
| 3 | Cold water (circulation) | 6 | Manomether | 9 | Hot water outlet |

| | | | Connections | | | | | | Capacity of primary heat source* | Heat exchanger surface area | Capacity of heat exchanger | Sanitary water production** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H8* | *M1* | *M2* | *1* | *2* | *3* | *4-7* | *8-9* | *10 - 11* | *kW* | *m2* | *kW* | *ltr/h* | *ltr/10 min* |
| 630 | 400 | 540 | 3/4" | 3/2" | 1" | 1/2" | 1" | 1" | 12 | 1,2 | 9,26 | 159 | 73 |
| 930 | | 840 | | | | | | | 18 | 3,6 | 29,31 | 502 | 231 |
| 1200 | | 1110 | | | | | | | 23 | 5,9 | 47,36 | 812 | 373 |
| 1500 | | 1410 | | | | | | | 29 | 8,3 | 67,27 | 1153 | 530 |
| 1800 | | 1710 | | | | | | | 35 | 10,8 | 87,32 | 1497 | 689 |
| 1440 | 450 | 1350 | | | | | | | 47 | 10,1 | 81,77 | 1402 | 645 |
| 1790 | | 1700 | | | | | | | 58 | 14,1 | 43,55 | 747 | 343 |
| 1220 | 500 | 1130 | 1" | | 3/2" | | 3/2" | | 70 | 9,4 | 76,37 | 1309 | 602 |
| 1420 | | 1330 | | | | | | | 82 | 12,4 | 100,59 | 1724 | 793 |
| 1580 | | 1490 | | | | | | | 88 | 14,8 | 119,88 | 2055 | 945 |
| 1670 | | 1580 | | | | | | | 93 | 16,2 | 130,83 | 2243 | 1032 |
| 1870 | | 1780 | | | | | | | 105 | 19,2 | 155,05 | 2658 | 1223 |
| 2040 | | 1950 | | | | | | | 117 | 21,7 | 175,57 | 3010 | 1384 |




**TECHNICAL DATA - HEAT EXCHANGER:**
**Material:** Stainless steel AISI 316L, DN 20
**Maximum working pressure:** 10 bar

# BUFFER TANKS & CALORIFIERS

## COMBI-2

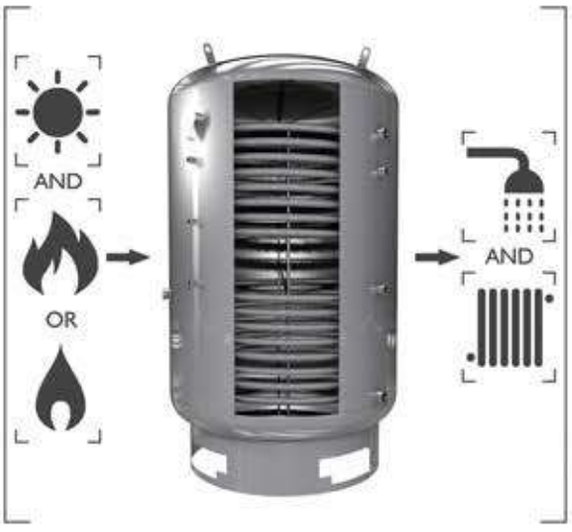
**Material:** Carbon steel S355; Stainless steel AISI 304 or AISI 316
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +60°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C

**TECHNICAL DATA - HEAT EXCHANGER:**
**Material:** Stainless steel AISI 316L, DN 20
**Maximum working pressure:** 10 bar

1
2
3




| Model | Volume | Diameter, D | Height, H | Weight | Dimensio | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Litres | mm | mm | kg | H1 | H2 | H3 | H4 | H5 | H6 | H7 |
| FH2-V300D65PL50 | 300 | 650 | 1200 | 53 | 80 | 310 | 320 | 396 | 549 | 701 | 854 |
| FH2-V400D65PL50 | 400 | | 1500 | 62 | | | | 430 | 650 | 870 | 1090 |
| FH2-V500D65PL50 | 500 | | 1800 | 72 | | | | 468 | 763 | 1058 | 1353 |
| FH2-V600D65PL50 | 600 | | 2100 | 81 | | | | 505 | 875 | 1245 | 1615 |
| FH2-V800D85PL50 | 800 | 850 | 1750 | 97 | | 350 | 360 | 495 | 765 | 1035 | 1305 |
| FH2-V1000D85PL50 | 1000 | | 2100 | 112 | | | | 539 | 896 | 1254 | 1611 |
| FH2-V1200D110PL50 | 1200 | 1100 | 1600 | 159 | | 410 | 410 | 511 | 714 | 916 | 1119 |
| FH2-V1400D110PL50 | 1400 | | 1800 | 175 | | | | 536 | 789 | 1041 | 1294 |
| FH2-V1500D110PL50 | 1500 | | 1960 | 185 | | | | 556 | 849 | 1141 | 1434 |
| FH2-V1600D110PL50 | 1600 | | 2050 | 195 | | | | 568 | 883 | 1198 | 1513 |
| FH2-V1800D110PL50 | 1800 | | 2250 | 211 | | | | 593 | 958 | 1323 | 1688 |
| FH4-V2000D110PL50 | 2000 | | 2420 | 225 | | | | 614 | 1021 | 1429 | 1836 |

* Heat source biomas/gas boiler

** Ignition time of a buffer tank if 1 heat exchanger returns the

## COMBI-3

**Material of main vessel:** Carbon steel S355, powder coated
**Material of inner vessel:** Stainless steel AISI 304
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +60°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C (after 1st hour)


| Model | Total Volume | Diameter, D | Height, H | Volume V1 | Volume V2 | Weight | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Litres | mm | mm | Litres | Litres | kg | H1 | H2 | H3 |
| FG3-V200D65PL50 | 200 | 650 | 900 | 150 | 50 | 43 | 80 | 310 | 320 |
| FG3-V300D65PL50 | 300 | | 1200 | 225 | 75 | 53 | | | |
| FG3-V400D65PL50 | 400 | | 1500 | 300 | 100 | 62 | | | |
| FG3-V500D65PL50 | 500 | | 1800 | 375 | 125 | 72 | | | |
| FG3-V600D65PL50 | 600 | | 2100 | 450 | 150 | 81 | | | |
| FG3-V800D85PL50 | 800 | 850 | 1750 | 600 | 200 | 97 | | 350 | 360 |
| FG3-V1000D85PL50 | 1000 | | 2100 | 750 | 250 | 112 | | | |
| FG3-V1200D110PL50 | 1200 | 1100 | 1600 | 900 | 300 | 159 | | 400 | 410 |
| FG3-V1400D110PL50 | 1400 | | 1800 | 1050 | 350 | 175 | | | |
| FG3-V1500D110PL50 | 1500 | | 1960 | 1125 | 375 | 185 | | | |
| FG3-V1600D110PL50 | 1600 | | 2050 | 1200 | 400 | 195 | | | |
| FG3-V1800D110PL50 | 1800 | | 2250 | 1350 | 450 | 211 | | | |
| FG3-V2000D110PL50 | 2000 | | 2420 | 1500 | 500 | 225 | | | |

* Heat source biomas/gas boiler

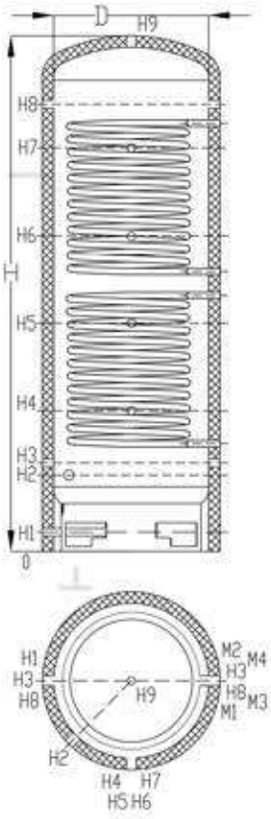
** Heat source for inner vessel heated by the water in main

**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Drain | 4 | Thermometer | 7 | Thermomanometer | 10 - 13 | Internal heat exchanger inlet/outlet |
| | Electrical heater | 5 | Anode | 8 | Hot water (circulation) | | |
| | Cold water (circulation) | 6 | Manomether | 9 | Hot water outlet | | |

| nsions, mm | | | | | | Connections | | | | | | Capacity of primary heat source* | Heat exchanger surface area | Capacity of heat exchanger | Sanitary water production per 1 heat exchanger** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H8 | H9 | M1 | M2 | M3 | M4 | 1 | 2 | 3 | 4-7 | 8-9 | 10-13 | kW | m2 | kW | ltr/h | ltr/10 min |
| 930 | 1200 | 400 | 580 | 670 | 840 | 3/4" | 3/2" | 1" | 1/2" | 1" | 1" | 18 | 1,5 | 12,03 | 206 | 95 |
| 1200 | 1500 | | 715 | 805 | 1110 | | | | | | | 23 | 2,6 | 20,98 | 360 | 165 |
| 1500 | 1800 | | 865 | 955 | 1410 | | | | | | | 29 | 3,8 | 30,87 | 529 | 243 |
| 1800 | 2100 | | 1015 | 1105 | 1710 | | | | | | | 35 | 5,1 | 41,04 | 704 | 324 |
| 1440 | 1750 | 450 | 855 | 945 | 1350 | | | | | | | 47 | 3,3 | 27,00 | 463 | 213 |
| 1790 | 2100 | | 1030 | 1120 | 1700 | 1" | | 3/2" | | 3/2" | | 58 | 4,8 | 38,73 | 664 | 305 |
| 1220 | 1600 | 500 | 770 | 860 | 1130 | | | | | | | 70 | 2,2 | 18,05 | 309 | 142 |
| 1420 | 1800 | | 870 | 960 | 1330 | | | | | | | 82 | 3,1 | 24,69 | 423 | 195 |
| 1580 | 1960 | | 950 | 1040 | 1490 | | | | | | | 88 | 3,7 | 29,93 | 513 | 236 |
| 1670 | 2050 | | 995 | 1085 | 1580 | | | | | | | 93 | 4,1 | 33,04 | 566 | 261 |
| 1870 | 2250 | | 1095 | 1185 | 1780 | | | | | | | 105 | 4,9 | 39,65 | 680 | 313 |
| 2040 | 2420 | | 1180 | 1270 | 1950 | | | | | | | 117 | 5,6 | 45,36 | 778 | 358 |

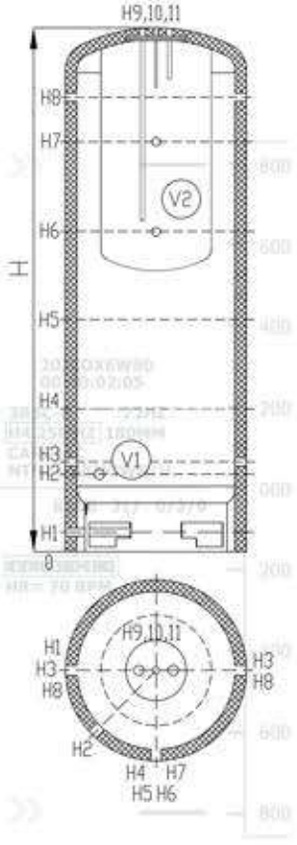
heat




**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

| Dimensions, mm | | | | | | Connections | | | | | | Capacity of primary heat source* | Capacity of secondary heat source** | Ignition time of inner vessel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H4 | H5 | H6 | H7 | H8 | H9, H10, H11 | 1 | 2 | 3 | 4-7 | 8-9 | 10-13 | kW | kW | min |
| 372 | 449 | 527 | 604 | 630 | 900 | 3/4" | 3/2" | 1" | 1/2" | 1" | 1" | 12 | 73,02 | 2,74 |
| 396 | 549 | 701 | 854 | 930 | 1200 | | | | | | | 18 | 97,36 | 3,08 |
| 430 | 650 | 870 | 1090 | 1200 | 1500 | | | | | | | 23 | 121,71 | 3,29 |
| 468 | 763 | 1058 | 1353 | 1500 | 1800 | | | | | | | 29 | 158,22 | 3,16 |
| 505 | 875 | 1245 | 1615 | 1800 | 2100 | | | | | | | 35 | 182,56 | 3,29 |
| 495 | 765 | 1035 | 1305 | 1440 | 1750 | | | | | | | 47 | 182,56 | 4,38 |
| 539 | 896 | 1254 | 1611 | 1790 | 2100 | 1" | | 3/2" | | 3/2" | | 58 | 219,07 | 4,56 |
| 511 | 714 | 916 | 1119 | 1220 | 1600 | | | | | | | 70 | 194,73 | 6,16 |
| 536 | 789 | 1041 | 1294 | 1420 | 1800 | | | | | | | 82 | 219,07 | 6,39 |
| 556 | 849 | 1141 | 1434 | 1580 | 1960 | | | | | | | 88 | 231,24 | 6,49 |
| 568 | 883 | 1198 | 1513 | 1670 | 2050 | | | | | | | 93 | 243,41 | 6,57 |
| 593 | 958 | 1323 | 1688 | 1870 | 2250 | | | | | | | 105 | 279,92 | 6,43 |
| 614 | 1021 | 1429 | 1836 | 2040 | 2420 | | | | | | | 117 | 304,26 | 6,57 |

vessel



# BUFFER TANKS & CALORIFIERS

## COMBI-4

**Material of main vessel:** Carbon steel S355, powder coated
**Material of inner vessel:** Stainless steel AISI 304 or AISI316
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +60°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C (after 1st hour)


| Model | Total Volume | Diameter, D | Height, H | Volume V1 | Volume V2 | Weight | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Litres* | *mm* | *mm* | *Litres* | *Litres* | *kg* | *H1* | *H2* | *H3* | *H4* | *H5* |
| FG3-V200D65PL50 | 200 | 650 | 900 | 150 | 50 | 43 | 80 | 310 | 320 | 372 | 449 |
| FG3-V300D65PL50 | 300 | | 1200 | 225 | 75 | 53 | | | | 396 | 549 |
| FG3-V400D65PL50 | 400 | | 1500 | 300 | 100 | 62 | | | | 430 | 650 |
| FG3-V500D65PL50 | 500 | | 1800 | 375 | 125 | 72 | | | | 468 | 763 |
| FG3-V600D65PL50 | 600 | | 2100 | 450 | 150 | 81 | | | | 505 | 875 |
| FG3-V800D85PL50 | 800 | 850 | 1750 | 600 | 200 | 97 | | 350 | 360 | 495 | 765 |
| FG3-V1000D85PL50 | 1000 | | 2100 | 750 | 250 | 112 | | | | 539 | 896 |
| FG3-V1200D110PL50 | 1200 | 1100 | 1600 | 900 | 300 | 159 | | 400 | 410 | 511 | 714 |
| FG3-V1400D110PL50 | 1400 | | 1800 | 1050 | 350 | 175 | | | | 536 | 789 |
| FG3-V1500D110PL50 | 1500 | | 1960 | 1125 | 375 | 185 | | | | 556 | 849 |
| FG3-V1600D110PL50 | 1600 | | 2050 | 1200 | 400 | 195 | | | | 568 | 883 |
| FG3-V1800D110PL50 | 1800 | | 2250 | 1350 | 450 | 211 | | | | 593 | 958 |
| FG3-V2000D110PL50 | 2000 | | 2420 | 1500 | 500 | 225 | | | | 614 | 1021 |

* Heat source biomas/gas boiler ** Heat source for inner vessel heated by the water in main

## COMBI-5

**Material of main vessel:** Carbon steel S355, powder coated
**Material of inner vessel:** Stainless steel AISI 304 or AISI316
**Thermal insulation:** Soft polyurethane, thickness 50 mm or 100 mm or armaflex 40 mm or 80 mm
**Finishing:** leatherette, red or blue color

**Calculations on following conditions:**
Primary circuit at the heat source: +60°C
In first 10 min and first hour can be taken at 60°C

Inlet temperature: +10°C
Outlet temperature: +60°C (after 1st hour)


| Model | Total volume | Diameter, D | Height, H | Volume V1 | Volume V2 | Weight | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Litres* | *mm* | *mm* | *Litres* | *Litres* | *kg* | *H1* | *H2* | *H3* | *H4* | *H5* | *H6* |
| FG3-V300D65PL50 | 300 | 650 | 1200 | 225 | 75 | 53 | 80 | 310 | 320 | 396 | 549 | 701 |
| FG3-V400D65PL50 | 400 | | 1500 | 300 | 100 | 62 | | | | 430 | 650 | 870 |
| FG3-V500D65PL50 | 500 | | 1800 | 375 | 125 | 72 | | | | 468 | 763 | 1058 |
| FG3-V600D65PL50 | 600 | | 2100 | 450 | 150 | 81 | | | | 505 | 875 | 1245 |
| FG3-V800D85PL50 | 800 | 850 | 1750 | 600 | 200 | 97 | | 350 | 360 | 495 | 765 | 1035 |
| FG3-V1000D85PL50 | 1000 | | 2100 | 750 | 250 | 112 | | | | 539 | 896 | 1254 |
| FG3-V1200D110PL50 | 1200 | 1100 | 1600 | 900 | 300 | 159 | | 400 | 410 | 511 | 714 | 916 |
| FG3-V1400D110PL50 | 1400 | | 1800 | 1050 | 350 | 175 | | | | 536 | 789 | 1041 |
| FG3-V1500D110PL50 | 1500 | | 1960 | 1125 | 375 | 185 | | | | 556 | 849 | 1141 |
| FG3-V1600D110PL50 | 1600 | | 2050 | 1200 | 400 | 195 | | | | 568 | 883 | 1198 |
| FG3-V1800D110PL50 | 1800 | | 2250 | 1350 | 450 | 211 | | | | 593 | 958 | 1323 |
| FG3-V2000D110PL50 | 2000 | | 2420 | 1500 | 500 | 225 | | | | 614 | 1021 | 1429 |

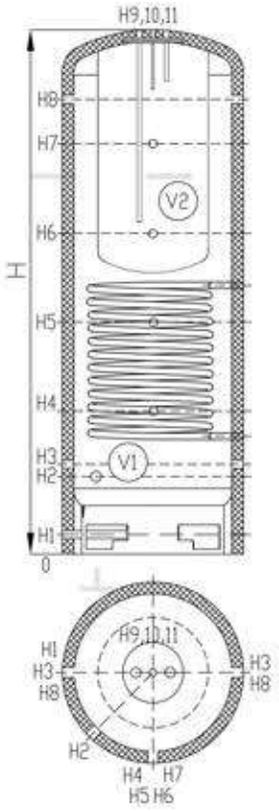
* Heat source biomas/gas boiler ** Heat source for inner vessel heated by the water in main

**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

**TECHNICAL DATA - HEAT EXCHANGER:**
**Material:** Stainless steel AISI 316L, DN 20
**Maximum working pressure:** 10 bar

| Dimensions, mm | | | | | | Connections | | | | | | Capacity of primary heat source* | Capacity (surface area) of inner vessel | Capacity (surface area) of heat exchanger | Ignition time of inner vessel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H6 | H7 | H8 | H9;H10;H11 | M1 | M2 | 1 | 2 | 3 | 4-7 | 8-9 | 10-11 | kW | kW (m2) | kW (m2) | min |
| 527 | 604 | 630 | 900 | | 458 | | | | | | | 12 | 73,02 (0,6) | 1,94 (0,3) | 2,67 |
| 701 | 854 | 930 | 1200 | | 580 | | | | | | | 18 | 97,36 (0,8) | 6,46 (1,0) | 2,89 |
| 870 | 1090 | 1200 | 1500 | 400 | 715 | 3/4" | | 1" | | 1" | | 23 | 121,71 (1,0) | 11,63 (1,8) | 3,00 |
| 1058 | 1353 | 1500 | 1800 | | 865 | | | | | | | 29 | 158,22 (1,3) | 17,45 (2,7) | 2,85 |
| 1245 | 1615 | 1800 | 2100 | | 1015 | | | | | | | 35 | 182,56 (1,5) | 23,26 (3,6) | 2,92 |
| 1035 | 1305 | 1440 | 1750 | 450 | 855 | | | | | | | 47 | 182,56 (1,5) | 16,8 (2,6) | 4,01 |
| 1254 | 1611 | 1790 | 2100 | | 1030 | | 3/2" | | 1/2" | | 1" | 58 | 219,07 (1,8) | 23,91 (3,7) | 4,12 |
| 916 | 1119 | 1220 | 1600 | | 770 | | | | | | | 70 | 194,73 (1,6) | 14,86 (2,3) | 5,73 |
| 1041 | 1294 | 1420 | 1800 | | 870 | | | | | | | 82 | 219,07 (1,8) | 20,03 (3,1) | 5,86 |
| 1141 | 1434 | 1580 | 1960 | 500 | 950 | 1" | | 3/2" | | 3/2" | | 88 | 231,24 (1,9) | 24,56 (3,8) | 5,86 |
| 1198 | 1513 | 1670 | 2050 | | 995 | | | | | | | 93 | 243,41 (2,0) | 27,14 (4,2) | 5,91 |
| 1323 | 1688 | 1870 | 2250 | | 1095 | | | | | | | 105 | 279,92 (2,3) | 32,31 (5,0) | 5,76 |
| 1429 | 1836 | 2040 | 2420 | | 1180 | | | | | | | 117 | 304,26 (2,5) | 37,48 (5,8) | 5,85 |

vessel

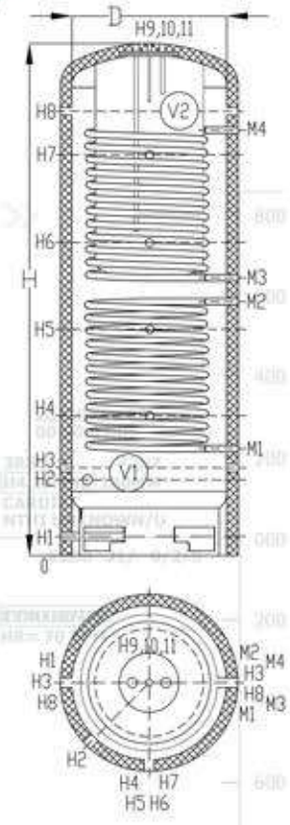



**Maximum working pressure:** 6 bar
**Minimum/Maximum working temperature:** -20°C/+95°C

**TECHNICAL DATA - HEAT EXCHANGER:**
**Material:** Stainless steel AISI 316L, DN 20
**Maximum working pressure:** 10 bar

| Dimensions, mm | | | | | | | Connections | | | | | | Capacity of primary heat source* | Capacity (surface area) of inner vessel | Capacity (surface area) of heat exchanger | Ignition time of inner vessel |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H7 | H8 | H9 | M1 | M2 | M3 | M4 | 1 | 2 | 3 | 4-7 | 8-9 | 10-14 | kW | kW (m2) | kW (m2) | min |
| 854 | 930 | 1200 | | 580 | 670 | 840 | | | | | | | 18 | 97,36 (0,8) | 6,46 (1,0) | 2,72 |
| 1090 | 1200 | 1500 | 400 | 715 | 805 | 1110 | | | | | | | 23 | 121,71 (1,0) | 11,63 (1,8) | 2,76 |
| 1353 | 1500 | 1800 | | 865 | 955 | 1410 | 3/4" | | 1" | | 1" | | 29 | 158,22 (1,3) | 17,45 (2,7) | 2,59 |
| 1615 | 1800 | 2100 | | 1015 | 1105 | 1710 | | | | | | | 35 | 182,56 (1,5) | 23,26 (3,6) | 2,62 |
| 1305 | 1440 | 1750 | 450 | 855 | 945 | 1350 | | | | | | | 47 | 182,56 (1,5) | 16,8 (2,6) | 3,70 |
| 1611 | 1790 | 2100 | | 1030 | 1120 | 1700 | | | | | | | 58 | 219,07 (1,8) | 23,91 (3,7) | 3,75 |
| 1119 | 1220 | 1600 | | 770 | 860 | 1130 | | 3/2" | | 1/2" | | 1" | 70 | 194,73 (1,6) | 14,86 (2,3) | 5,35 |
| 1294 | 1420 | 1800 | | 870 | 960 | 1330 | | | | | | | 82 | 219,07 (1,8) | 20,03 (3,1) | 5,40 |
| 1434 | 1580 | 1960 | 500 | 950 | 1040 | 1490 | 1" | | 3/2" | | 3/2" | | 88 | 231,24 (1,9) | 24,56 (3,8) | 5,35 |
| 1513 | 1670 | 2050 | | 995 | 1085 | 1580 | | | | | | | 93 | 243,41 (2,0) | 27,14 (4,2) | 5,37 |
| 1688 | 1870 | 2250 | | 1095 | 1185 | 1780 | | | | | | | 105 | 279,92 (2,3) | 32,31 (5,0) | 5,22 |
| 1836 | 2040 | 2420 | | 1180 | 1270 | 1950 | | | | | | | 117 | 304,26 (2,5) | 37,48 (5,8) | 5,27 |

vessel



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