

**SONNENKRAFT®**



Backup tanks,  
hot water tanks

THE FUTURE OF ENERGY

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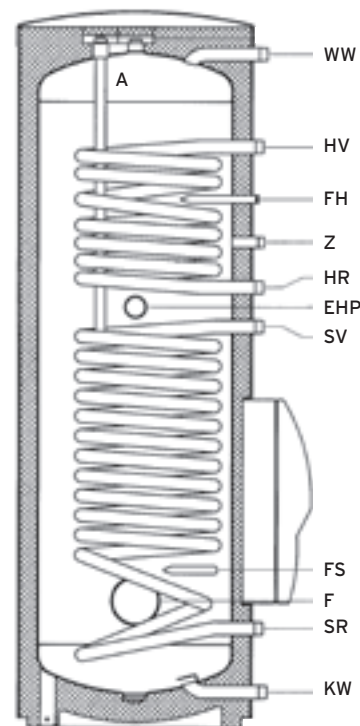
## COMPACT tank SKL

The COMPACT tank SKL is easy to install and has an optimum price/performance ratio. Tank is fitted with insulated solar pumping station with deaerator and flow indicator and two loop solar control unit.

### Specifications SKL

|  | Unit                | SKL300          | SKL400   | SKL500   |
|--|---------------------|-----------------|----------|----------|
| Contents                                       | l                   | 300             | 400      | 500      |
| Diameter, insulated                            | mm                  | 600             | 700      | 700      |
| Height, insulated                              | mm                  | 1834            | 1631     | 1961     |
| Tilted height excl. tank cap                   | mm                  | 1930            | 1745     | 2082     |
| Weight   | kg                  | 140             | 160      | 175      |
| Permissible water pressure                     | bar                 | 10              | 10       | 10       |
| Permissible heating pressure                   | bar                 | 10              | 10       | 10       |
| Permissible solar loop pressure                | bar                 | 10              | 10       | 10       |
| Permissible operating temp. water              | °C                  | 95              | 95       | 95       |
| Permissible operating temp. heating            | °C                  | 110             | 110      | 110      |
| Permissible operating temp. solar loop         | °C                  | 110             | 110      | 110      |
| Upper heating area / post-heating register     | m <sup>2</sup>      | 0.81            | 1.00     | 1.28     |
| Lower heating area / solar register            | m <sup>2</sup>      | 1.49            | 1.83     | 2.11     |
| Solar heat exchanger volume                    | l                   | 10.4            | 12.8     | 14.7     |
| Heating system heat exchanger volume           | l                   | 5.6             | 6.9      | 8.9      |
| Performance indicator N <sub>L</sub> top       | N <sub>L</sub> / kW | 2.5 / 27        | 5.7 / 31 | 8.9 / 40 |
| Performance indicator N <sub>L</sub> bottom    | N <sub>L</sub> / kW | 4.1 / 45        | 9.4 / 51 | 16 / 65  |
| Idle losses                                    | kWh/24h             | 2,6             | 2,9      | 3,3      |
| Heating flow HV                                | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 1488            | 1354     | 1604     |
| Heating return HR                              | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 1120            | 1006     | 1114     |
| Solar flow SV                                  | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 1028            | 895      | 940      |
| Solar return flow SR                           | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 254             | 220      | 220      |
| Hot water WW                                   | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 1725            | 1523     | 1855     |
| Cold water KW                                  | R                   | 1"              | 1"       | 1"       |
|  | mm                  | 90              | 55       | 55       |
| Circulation Z                                  | R                   | 3/4"            | 3/4"     | 3/4"     |
|  | mm                  | 1243            | 1111     | 1264     |
| Sensor thermometer wells                       | mm                  | ø16x200         | ø16x200  | ø16x200  |
| Heating FH                                     | mm                  | 1353            | 1223     | 1409     |
| Solar FS                                       | mm                  | 403             | 340      | 340      |
| 1 1/2" Sleeve for electric heating EHP         | mm                  | 1078            | 957      | 1040     |
| Flange F, D <sub>1</sub> / TK / D <sub>A</sub> | mm                  | 110 / 150 / 180 |          |          |
| Anode A  | mm                  | ø26x1100        | ø26x900  | ø26x1100 |

### Connection diagram SKL



### Features of COMPACT tank SKL

- Tank is fitted with solar pumping station deaerator and flow indicator
- Control unit for 2 temperature difference circuits
- Plug and Flow assembly for best cost/performance results
- High-quality enamel
- Direct expandable foam insulation
- Slimline design for optimum temperature stratification
- Integrated protective magnesium anode