The Solahart Streamline closed circuit system is a split system solar water heater with roof mounted slimline collectors and a ground mounted outdoor storage tank. It is suitable for use in low to high solar gain areas. The closed circuit design protects the system from freezing, making it suitable for regions prone to frost.

The Streamline closed circuit system offers a choice of either the Solahart Kf or J collector. Both model collectors feature Solahart’s revolutionary multi-flow collector panel which uses a huge 35 risers to extract the maximum amount of energy from the sun. The ultra-high efficiency absorber of the Kf collector with its Black Chrome selective surface maximises the absorption of available solar energy providing even more savings.

The system is equipped with a gas booster which senses when boosting is required to ensure continuous hot water regardless of the weather. The water heater also offers the convenience of dual temperature outlets, so tempered water can be delivered to the bathrooms and hot water can be delivered to the kitchen and laundry.

Key Features:
- Stylish slimline design
- Solar connections to top of the tank makes for simpler and tidier installation
- Dual temperature outlets
- Variable flow through solar collectors to maximise solar gain
- Choice of collectors to suit high to low solar gain areas
- Suitable for frost prone areas
- 5 star efficiency with instantaneous gas boosting
- Natural gas and propane models available
- Flexible installation options

Key Benefits:
- Save 50% to 80% on your water heating energy consumption*
- Continuous hot water regardless of the weather
- Can qualify for valuable government environmental incentives*
- Reduced energy use saves on CO₂ emissions every year*
- Peace of mind with Solahart’s 5/3/1 year warranty*
- Space efficient and flexibility with installation

* Warranty Details: 5/3/1 - 5 year cylinder and collectors, 3 year labour on cylinder, 1 year parts and labour, 1 year labour on collectors, applies to a single family domestic dwelling only. All other applications have a 3/1/1 warranty - 3 year cylinder, 1 year collectors, 1 year parts and labour.

* Savings of 50%-80% shown are based on Australian Government approved TRNSYS simulation modelling. Savings and incentives will vary depending upon your location, type of Solahart system installed, orientation and inclination of the solar collectors, type of water heater being replaced, hot water consumption and fuel tariff. Maximum financial savings off your hot water bill are achievable when replacing an electric water heater on continuous tariff.
Streamline Closed Circuit ‘DJV’ & ‘DKV’ - Gas Boosted Systems

These systems are suitable for frost areas.

**DJV & DKV Systems**

<table>
<thead>
<tr>
<th>Model</th>
<th>271</th>
<th>272</th>
<th>273</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tank Model</td>
<td>DBV</td>
<td>DBV</td>
<td>DBV</td>
</tr>
<tr>
<td>Collector DJV Series</td>
<td>J</td>
<td>J</td>
<td>J</td>
</tr>
<tr>
<td>Collector DKV Series</td>
<td>Kf</td>
<td>Kf</td>
<td>Kf</td>
</tr>
<tr>
<td>No. of collectors</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

**Solar Storage Tank**

<table>
<thead>
<tr>
<th>Tank Model</th>
<th>DBV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage capacity</td>
<td>litres</td>
</tr>
<tr>
<td>US gal</td>
<td>71</td>
</tr>
<tr>
<td>Installation</td>
<td>outdoor</td>
</tr>
<tr>
<td>Boost capacity (at 25°C rise)</td>
<td>litres/min</td>
</tr>
<tr>
<td>US gal/min</td>
<td>6.9</td>
</tr>
<tr>
<td>Weight empty</td>
<td>kg</td>
</tr>
<tr>
<td>lbs</td>
<td>368</td>
</tr>
<tr>
<td>Weight full</td>
<td>kg</td>
</tr>
<tr>
<td>lbs</td>
<td>963</td>
</tr>
</tbody>
</table>

**Gas Boosted Specifications**

- **Booster type**: electronic instantaneous
- **Booster size**: litres / min | 26 |
- **Supply voltage ***: volts | 220 - 250 |
- **Min. flow rate**: litres / min | 3.0 |
| US gal / min | 0.8 |
- **Frost protection**: standard
- **Thermal input**:
  - natural gas MJ/h | 199 |
  - propane MJ/h | 199 |
- **Gas connection**:
  - maximum kPa | 3.5 |
  - minimum – natural kPa | 1.13 |
  - minimum – propane kPa | 2.75 |

* A weather proof General Power Outlet (GPO) is required within 1.2m of the water heater

**Water Supply**

- **TPR valve setting** kPa | 1000 psi | 145 |
- **ECV setting** kPa | 850 psi | 125 |
- **Max. supply pressure**
  - with ECV kPa | 680 psi | 100 |
  - without ECV kPa | 800 psi | 115 |
- **Min. supply pressure** kPa | 140 psi | 20 |
- **Water connections**
  - cold RP/420 |
  - hot RP/420 |
  - warm RP/420 |
- **Closed circuit** solar DN15 compression fitting

*Expansion Control Valve (ECV) is not supplied.

**Collector**

| Aperture (heating) area | m² | 1.87 | ft² | 20 |
| Dimensions length | mm | 1937 | in | 76.3 |
| width | mm | 1022 | in | 40.3 |
| height | mm | 77 | in | 3.0 |
| Capacity | litres | 3.5 |
| US gal | 0.9 |
| Weight empty | kg | 42 |
| lbs | 93 |
| full | kg | 46 |
| lbs | 101 |
| Working pressure | kPa | 80 |
| psi | 12 |
| Absorber surface | Kf | Chromonyx selective surface |
| Absorber surface | J | Black polyester powder coat |
| Absorber material | Steel |
| Riser material | Steel |
| Number of risers | 35 |
| Tray material | 0.6 mm Aluminium |
| Insulation material | 55 mm polyester blanket |
| Glass | 3.2 mm tempered low iron |

**Collector Installation**

| Roof area dimensions | 1 | 2 | 3 |
| Length | m | 2.0 | 2.0 | 2.0 |
| in | 78.8 | 78.8 | 78.8 |
| Width | m | 1.2 | 2.3 | 3.4 |
| in | 47.2 | 90.6 | 133.9 |

**Solar Kits - J & Kf Collectors**

- Collector kit - 1 collector (12104298) | 1 | 0 | 0 |
- Collector kit - 2 collectors (12104299) | 0 | 1 | 1 |
- Collector add on kit (12104300) | 0 | 0 | 1 |

**Dimensions**

![Diagram showing dimensions and clearances](image)

Specifications are subject to change without notice.

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