

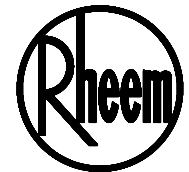
| Solar Loline Commercial Components Required | |
|---|----------------------|
| DESCRIPTION | RHEEM P/No: |
| Solar Control Unit – Heavy Duty (1 per system) supplied with cold sensor lead (5m) and tank sensor lead (5m) | 299303 |
| Sensor Extension Lead 4 core 20m (As and if required) | 057305 |
| Connector Sensor Kit MK2 – NPT (1 kit per system) Kit contains 1 each Cold Sensor Adaptor Assy 1" BSP, Hot Sensor Connector, Frost Sensor Union, O'-ring (3), Compression Nut 3/4", Compression Olive 3/4", Hot/Frost Sensor Lead 30m | 299304 |
| Air Eliminator Kit (1 kit per array) Kit contains 1 each Automatic Air Eliminator, Tee Fitting, Reducing Bush | 299159 |
| End Plug Kit – NPT (1 kit per array) Kit contains Nut M33 (2), Blanking Disc (2), O'-ring (2) | 299153 |
| Collector In/Out Kit 3/4" – NPT (1 kit per array) Kit contains Adaptor Collector M33 x 3/4" (2), O'-ring (2), Compression Nut 3/4" (2), Compression Olive 3/4" (2) | 299155 |
| Expansion Tube Kit – NPT (1 kit for every 8 collectors in an array) Kit contains Expansion Tube 3/4" (2), Fitting union 3/4" flared (4), O'-ring (4), | 299305 |
| Connector Kit – NPT (1 kit per 4 collectors) Kit contains Union L (8), O'-ring (16) | 299152 |
| Circulator – Grundfos UPS20-60N or Grundfos UPS32-80N | 56860242 56860243 |
| Collector Angle (1 per 2 collectors – pitched roof) | 191613 |
| Collector Strap (2 per collector – pitched roof) | 191801 |
| Variable Pitch Frame (2 panel – flat roof) | 12106871 |
| Variable Pitch Frame (1 panel – flat roof) | 12106870 |

NOTES

- SOLAR FLOW AND RETURN PIPES TO BE SIZED AS SPECIFIED BY RHEEM.
- FLOW AND RETURN LINES TO BE INSULATED WITH CLOSED CELL POLYMER INSULATION. MINIMUM THICKNESS 13mm CAPABLE OF WITHSTANDING THE TEMPERATURE OF THE WATER GENERATED BY THE SOLAR COLLECTORS UNDER STAGNATION CONDITIONS UP TO 150°C. INSULATION MUST BE WEATHER PROOF & UV RESISTANT IF EXPOSED.
- MAXIMUM NUMBER OF COLLECTORS IN AN ARRAY IS TWENTY FOUR (24).
- IF THERE ARE MORE THAN 8 COLLECTORS PER ARRAY, EXPANSION TUBES ARE REQUIRED AT EVERY EIGHTH (OR FEWER) COLLECTOR.
- FROST SENSOR (DETAIL H) TO BE POSITIONED AT THE BOTTOM OF A COLLECTOR, IN ANY ARRAY, AS NEAR AS PRACTICAL TO THE CENTRE OF THE ARRAY IF LESS THAN 9 COLLECTORS ARE USED IN THE ARRAY, OR AS NEAR AS PRACTICAL TO THE CENTRE OF A SECTION OF COLLECTORS IF AN EXPANSION TUBE IS USED.
- MAXIMUM SOLAR STORAGE TANKS IN A BANK IS 10, MULTIPLE BANKS CAN BE INSTALLED.
- A MINIMUM OF 900mm SHOULD BE LEFT IN FRONT OF THE SOLAR STORAGE TANK OR BOOSTER WATER HEATER FOR ACCESS, SERVICING AND TANK REMOVAL.
- AUX ELECTRIC WATER HEATER. 5 WATTS REQUIRED PER COLLECTOR.
- 240VAC CONTACTOR. 6kW RATING.

LEGEND

- STOP COCK
- NON RETURN VALVE
- PRESSURE LIMITING VALVE (IF REQUIRED)
- EXPANSION CONTROL VALVE
- GATE VALVE OR BALL VALVE
- CIRCULATOR
- UNION
- TUNDISH
- DIRECTION OF FLOW
- 3 WAY POSITIONAL VALVE



RHEEM COMMERCIAL SOLAR LOLINE DESIGN SINGLE ARRAY
3 WAY VALVE, FROST SENSOR, AUX HEATER, NPT200 COLLECTORS