

TECHNICAL PRODUCT SUBMITTAL

Squire Indirect water heater



Model SIVS220GE

| | | |
|---|----------------|----------|
| Storage Capacity | litres | 1020 |
| EFFICIENCY DATA-Part L2 | | |
| Insulation Thickness | mm | 100 |
| Insulation Type | | Foliflex |
| Standing Loss | kWh/day | 3.5 |
| EFFICIENCY DATA-ErP and Energy Label | | |
| Ecodesign Energy Label rating | | N/A |
| Standing Loss | W | 146 |
| GENERAL DATA | | |
| Max draw off capacity (first hour) at 50°C temperature rise | l/hr | 2897 |
| Heat-up Time at 50°C temperature rise | min | 29 |
| Dimensions (height) | mm | 2005 |
| Dimensions (diameter) | mm | 1100 |
| Hot Outlet Connection (inches) | BSP | 1½" |
| Cold Feed Connection (inches) | BSP | 1½" |
| Coil Connection (inches) | BSP | 1¼" |
| Weight (empty) | kg | 336 |
| Weight (full) | kg | 1356 |
| Minimum Working Pressure | bar | 0.5 |
| Maximum Working Pressure | bar | 10.0 |
| COIL DATA | | |
| Coil Rating (75/55°C) | kW | 121 |
| Coil Surface Area | m ² | 4.82 |
| Flow Rate (75/55°C) | l/sec | 1.73 |
| Pressure Loss | kPa | 25.9 |
| Maximum Coil Temperature | °C | 110 |
| Maximum Coil Pressure | bar | 16 |

Squire Indirect water heaters must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of www.lochinvar.ltd.uk

Particular attention should be made to:-

- Dimensions and clearances
- Vented and Unvented installation requirements
- Maintenance

ErP and Warranty

ErP Data including Product Fiche and Energy Labels where applicable and Warranty information are also available at www.lochinvar.ltd.uk

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Squire Indirect water heater



| Legend | Description | Unit | SIVS100GE | SIVS110GE | SIVS130GE | SIVS165GE | SIVS220GE |
|--------|----------------------------|------|-----------|-----------|-----------|-----------|-----------|
| A | Total height | mm | 1710 | 2045 | 1840 | 2035 | 2005 |
| D | Diameter (with insulation) | mm | 740 | 760 | 910 | 930 | 1100 |
| G | Coil outlet | mm | 260 | 260 | 310 | 310 | 350 |
| H | Coil inlet | mm | 1015 | 1205 | 1150 | 1210 | 1310 |
| M | Cold water inlet | mm | 70 | 70 | 85 | 85 | 95 |
| N | Hot water outlet | mm | 1655 | 1995 | 1805 | 2000 | 1965 |
| P | Inspection opening | mm | 330 | 330 | 420 | 420 | 450 |
| R | Building return | mm | 1100 | 1290 | 1240 | 1300 | 1400 |
| S | Sensor point | mm | 500 | 500 | 655 | 655 | 705 |
| T | T&P connection | mm | 1365 | 1700 | 1480 | 1675 | 1605 |

| Legend | Description | Unit | SIVS100GE | SIVS110GE | SIVS130GE | SIVS165GE | SIVS220GE |
|--------|-----------------------------|----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Cold water inlet connection | BSP Inch | R 1½ | R 1½ | R 1½ | R 1½ | R 1½ |
| 2 | Hot water outlet connection | BSP Inch | R 1½ | R 1½ | R 1½ | R 1½ | R 1½ |
| 3 | Coil outlet | BSP Inch | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ |
| 4 | Coil inlet | BSP Inch | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ |
| 5 | Building return | BSP Inch | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ |
| 6 | Inspection opening | mm | 115 | 115 | 180 | 180 | 180 |
| 7 | Connection T&P | BSP Inch | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ |
| 8 | Sensor point | BSP Inch | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ | Rp ¾ |
| 10 | Anode | BSP Inch | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ | Rp 1¼ |

