

# TECHNICAL PRODUCT SUBMITTAL

## Squire Indirect water heater



### Model SIVT165GE

Storage Capacity	litres	730
<b>EFFICIENCY DATA-Part L2</b>		
Insulation Thickness	mm	90
Insulation Type		Foliflex
Standing Loss	kWh/day	3.0
<b>EFFICIENCY DATA-ErP and Energy Label</b>		
Ecodesign Energy Label rating		N/A
Standing Loss	W	126
<b>GENERAL DATA</b>		
Max draw off capacity (first hour) at 50°C temperature rise (Top coil only)	l/hr	1345
Heat-up Time at 50°C temperature rise (Top coil only)	min	22
Dimensions (height )	mm	2035
Dimensions (diameter)	mm	930
Hot Outlet Connection (inches)	BSP	1½"
Cold Feed Connection (inches)	BSP	1½"
Coil Connection (inches)	BSP	1¼"
Weight (empty)	kg	262
Weight (full)	kg	992
Minimum Working Pressure	bar	0.5
Maximum Working Pressure	bar	10.0
<b>COIL DATA</b>		
Coil Rating Lower/Upper (80/60°C)	kW	81/57
Coil Surface Area Lower/Upper	m <sup>2</sup>	2.66/1.86
Flow Rate Lower/Upper (80/60°C)	l/sec	0.96/0.67
Pressure Loss Lower/Upper	kPa	5.0/1.8
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](http://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](http://www.lochinvar.ltd.uk)

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Legend	Description	Unit	SIVT100GE	SIVT110GE	SIVT130GE	SIVT165GE	SIVT220GE
A	Total height	mm	1710	2045	1840	2035	2005
D	Diameter (with insulation)	mm	740	760	910	930	1100
G	Coil outlet (Bottom)	mm	260	260	310	310	350
H	Coil inlet (Bottom)	mm	775	920	910	970	950
J	Coil outlet (Top)	mm	945	1090	1090	1150	1130
K	Coil inlet (Top)	mm	1280	1470	1390	1570	1490
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	860	1000	1000	1080	1040
S	Sensor point	mm	500	500	655	655	705
T	T&p connection	mm	1365	1700	1480	1675	1605

Legend	Description	Unit	SIVT100GE	SIVT110GE	SIVT130GE	SIVT165GE	SIVT220GE
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 1	Rp 1	Rp 1¼	Rp 1¼	Rp 1¼
4	Coil inlet	BSP Inch	Rp 1	Rp 1	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	Connection Anode	BSP Inch	Rp 1¼	Rp 1¼	Rp 1¼	Rp 1¼	Rp 1¼

