# 7. Hot Water Calorifier Flow & Return Temperature Record

Year: 2014

Hot water calorifier no. 1 Sadia hot water Calorifier

Location: Site maintenance office

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 62.4 | 41.0 | 42.5 | 21.0 | 21.9 | 65.5 | 60.0 | 63.6 | 60.5 | | | |
| **Return °C** | 54.3 | 39.4 | 38.0 | 20.0 | 21.4 | 54.1 | 55.0 | 60.6 | 56.5 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no.2 State hot water heater 220lts (2)

Location: kitchen (external boiler house)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 58.9 | 62.7 | 68.3 | 64.5 | 56.0 | 37.5 | 64.8 | 63.1 | 69.0 | | | |
| **Return °C** | 45.5 | 59.4 | 60.4 | 54.0 | 54.3 | 52.8 | 57.8 | 53.0 | 60.0 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | | PS | | | |

Year: 2014

Hot water calorifier no.3 State hot water heater 220lts (1)

Location: kitchen (external boiler house)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 56.0 | 73.1 | 74.0 | 64.7 | 66.7 | 66.8 | 63.5 | 73.2 | 72.0 | | | |
| **Return °C** | 45.5 | 59.4 | 60.4 | 54.0 | 54.3 | 52.8 | 57.8 | 60.0 | 60.0 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Note: Record temperatures (°C).
Note any that fall outside 60°C (flow) and 50°C (return) as an out of tolerance and take appropriate action.

PRESTON Water Treatment

Year: 2014

Hot water calorifier no. 4 Sadia hot water heater 15lts LWH

Location: roof space above reception (old school building)
*outlet temperature at tea point

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 59.5 | 54.0 | 54.8 | 57.5 | 57.4 | 56.5 | 54.8 | 55.4 | 58.2 | | | |
| **Return °C** | | | | | | | | | | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 5 Hot water heater LWH

Location: cleaner's cupboard (old school building)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | No | 56.3 | 54.7 | 60.0 | 60.2 | 55.3 | 57.0 | 55.5 | 54.6 | | | |
| **Return °C** | Access | | | | | | | | | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

FREESTON
Water Treatment

Year: 2014

Hot water calorifier no. 6 Instantaneous electric hot water heater LWH

Location: staff wc (old school building)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 51.0 | 52.2 | 51.2 | 53.5 | N/A | 54.3 | N/A | N/A | N/A | | | |
| **Return °C** | | | | | | | | | | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 8 AO Smith hot water calorifier 278lts

Location: Scola boilerhouse

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 67.5 | 65.2 | 68.0 | 65.1 | 63.0 | 68.0 | 66.0 | 68.0 | 66.0 | | | |
| **Return °C** | 62.6 | 62.5 | 62.4 | 58.5 | 60.0 | 62.8 | 60.0 | 61.0 | 61.7 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 9 hot water calorifier 270lts

Location: gym plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 64.1 | 63.7 | 63.0 | 62.4 | 63.0 | 63.6 | 64.0 | 64.0 | 63.6 | | | |
| **Return °C** | 59.5 | 59.2 | 59.8 | 57.0 | 61.0 | 62.2 | 60.0 | 61.5 | 61.2 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

FREESTON
Water Treatment

Year: 2014

Hot water calorifier no. 10 (1)

Location: sports hall / badminton plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 84.2 | 72.7 | 78.5 | 70.0 | 65.1 | 65.0 | 65.0 | 70.0 | 78.0 | | | |
| **Return °C** | 69.0 | 62.2 | 66.9 | 55.9 | 63.0 | 62.5 | 63.0 | 56.0 | 66.0 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 11 (2)

Location: sports hall / badminton plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 63.0 | 56.3 | 63.2 | 49.0 | 69.5 | 70.6 | 69.3 | 72.5 | 68.1 | | | |
| **Return °C** | 69.0 | 62.2 | 66.9 | 55.9 | 63.0 | 62.5 | 63.0 | 56.0 | 66.0 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 13 Sadia hot water heater 15lts

Location: sports pavilion plant room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| **Return °C** | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| **Stored °C** | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

PRESTON
Water Treatment

Year: 2014

Hot water calorifier no. 15 Sadia hot water heater 25lts

Location: science & maths – store room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 63.5 | 64.2 | 66.0 | 65.5 | 66.2 | 64.2 | 64.9 | 66.5 | 64.1 | | | |
| **Return °C** | | | | | | | | | | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 16 Sadia hot water heater 25lts

Location: science & maths – right hand classroom

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 66.2 | 71.4 | 67.6 | 66.3 | 65.9 | 67.5 | 66.2 | 68.0 | 66.5 | | | |
| **Return °C** | | | | | | | | | | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

Year: 2014

Hot water calorifier no. 18 hot water calorifier)

Location: Rotherly New Nursery Building Boiler Room

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flow °C** | 60.0 | 56.5 | 60.0 | 61.8 | 64.2 | 63.5 | 62.0 | 60.0 | 64.1 | | | |
| **Return °C** | 50.0 | 50.2 | 50.0 | 52.7 | 55.0 | 57.0 | 54.0 | 52.0 | 55.1 | | | |
| **Stored °C** | | | | | | | | | | | | |
| **Initial** | PS | PS | PS | PS | PS | PS | PS | PS | PS | | | |

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