

Equipment Specification

Thermal Stores



CLIENT NAME

Shuttleworth College

SITE LOCATION

Old Warden Park
Biggleswade
Bedfordshire
SG18 9DX

PROJECT DESCRIPTION

Public Sector Decarbonization Scheme – Phase 3b

CONSULTANT

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SCOPE OF DELIVERY

Fabricate, deliver and offload in a designated location **two** bespoke thermal stores that meet or exceeds the following specifications and as detailed on drawing *02-15 M-DE-03 T00 Thermal stores* issued on 2023-09-28.

MATERIALS & FABRICATION

Material: Stainless steel grade 1.4301 or 1.4306 (304 or 304L)
Welding Process: Passivate welds & heat affected zones or back-purged with inert gas where inaccessible

DIMENSIONS & RATINGS

Diameter: 1.5m approximately
Overall Height: 3.0m
Volume: 4,400L approximately
Operating pressure: 6.0 bar
Test pressure: 9.0 bar
Operating Temperature: 60°C

CONNECTIONS & INTERNAL ELEMENTS

THST-01

Flanged Connections: 3x DN100 EN1092-1 PN16
Sensor Connections: 4x DN25 female thread 1" BSP
Vent Connection: 1x DN25 female thread 1" BSP
Drain Connection: 1x DN25 male thread 1" BSP
Internal Elements: 1x Velocity head diffuser arrangement

Equipment Specification

Thermal Stores



THST-02

Flanged Connections: 3x DN100 EN1092-1 PN16

Sensor Connections: 4x DN25 female thread 1" BSP

Vent Connection: 1x DN25 female thread 1" BSP

Drain Connection: 1x DN25 male thread 1" BSP

Internal Elements: 2x Velocity head diffuser arrangement

TENDER PROCESS

Tender Submission: tenders@bedford.ac.uk

Submission Date: On or before October 13, 2023

Evaluation: Tender evaluation will include but not be limited to; cost, delivery time, build quality and technical merit

Submission Notes: Tenders are considered invalid if any other parties other than those shown above are included in the mailing list