

Site Preparation Form

Product Name: **Thermo Scientific Herasafe KS Class II, Type A2 BSC** Item Description: **Class II, Type A2 Biological Safety Cabinet**
Model #: **Herasafe KS9** Manufacturer: **Thermo Fisher Scientific**
Order #: **51022485**

A. CONSTRUCTION

Interior side and rear walls:
316 stainless steel, No. 4 finish 19 gauge 1 mm
* side walls laminated safety glass

Exterior
Powder-coated cold rolled steel 19 gauge 1 mm

Worksurface
316 stainless steel, No. 4 finish 16 gauge 1.5 mm

B. ELECTRICAL POWER REQUIREMENTS

Electrical Specifications
120 Volts 60 Hertz 7.3 Amps 1 # of Phases

Power Consumption, Operational Mode:
170 Watts Heat Output: 580 BTU/Hr

Power Consumption, Reduced Flow Mode:
40 Watts Heat Output: 137 BTU/Hr

Motor type DC

GFI electrical receptacles Yes Two GFI duplex located on side walls

Total number of receptacles / plugs required to operate cabinet. 1

Length of line cord 9 Feet 6 inches

C. EXHAUST REQUIREMENTS

Airflow Specifications, recirculating

Face Velocity 105 FPM
Window aperture 10 Inch
Air Exhaust, non ducted 216 CFM

Airflow Specifications, thimble ducted

Air Exhaust 280 CFM
Duct diameter 8 Inch

* NSF/ANSI 49 requires the use of low-flow exhaust alarms for thimble ducted Class II, Type A2 BSCs.

D. SPATIAL REQUIREMENTS

Equipment exterior dimensions (inches): 39.4 Width 31.5 Depth 62.4 Height

Equipment "work area" (inches): 35.4 Width 24.8 Depth 30.7 Height

Equipment clearances for access or airflow (inches): 6.0 Top 0 Sides 0 Rear

Equipment weight (lbs): 375 Net 419 Shipping

E. ALARM CONTACTS

Four contacts are available inside the electrical enclosure at the top of the cabinet marked for EXTERNAL FAN that signal when the cabinet is energized (blowers on or in reduced flow) or de-energized (blowers off).

PE - for ground
NO - for normally open
NC - for normally closed

C - for common

F. SERVICE CONNECTIONS

Clearances for standard side wall service connections (inches):

6.0 | Left

6.0 | Right

Standard service utility ports available:

2 | Left

2 | Right

Options for 3 pre-plumbed connections to top or bottom of cabinet:

Right rear wall taps p/n	<u>51900982</u>
Left rear wall taps p/n	<u>51900981</u>
Right and Left rear wall taps p/n	<u>N/A</u>

Options for service valves, all with 3/8" male pipe thread connection:

Standard Valves (for side connection only):

- 1911308** Combustible gas, 75 psi
- 1911309** Non-combustible gas, 80 psi
- 1911310** Vacuum valve, 75 psi
- 1911311** Water valve, 75 psi

Valves for pre-plumbed option (top or bottom connection):

- 1911304** Combustible gas, 75 psi
- 1911305** Non-combustible gas, 75 psi
- 1911306** Vacuum valve, 75 psi
- 1911307** Water valve, 80 psi

G. Accessories / Options

Required

- 51900642 Cross-beam UV light
- 50116443 Adjustable height base stand, OR
- 50119096 Electrical adjustable height base stand

Recommended

- 50078796 Thimble duct exhaust transition
- 191780 External exhaust alarm (for use with thimble duct)
- * see sales brochure for additional worktray configurations