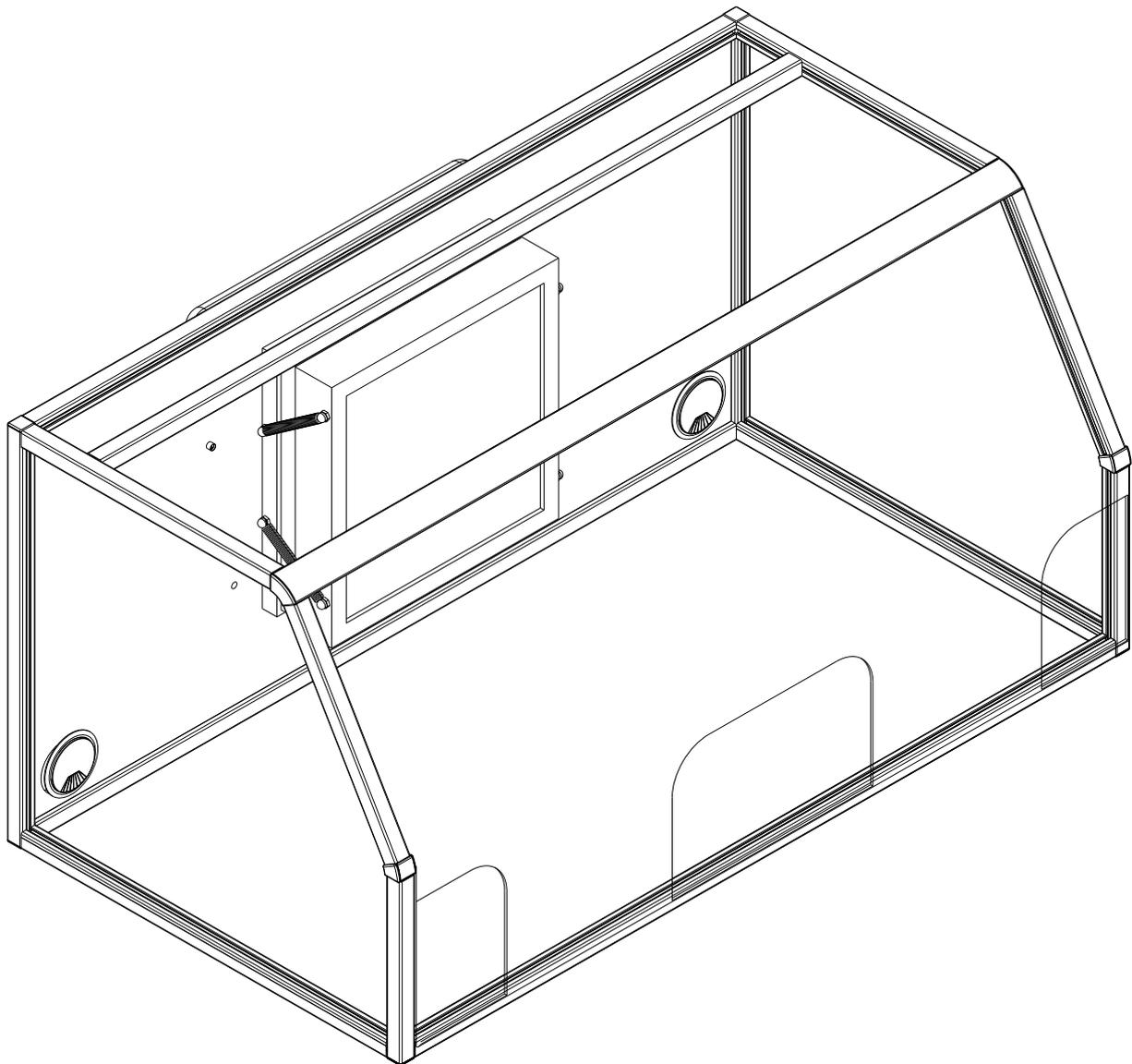


WAYSAFE™ GP1000

Large General Purpose Safety Enclosure

User Manual



ISO 9001 Registered Firm
Certificate No. GB2003406



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PLEASE SEE LAST PAGE FOR MORE FILTERS AND PRODUCTS COMPATIBLE WITH YOUR CABINET

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POSITION CABINET
SPECIFIC DETAIL LABEL HERE

DIMENSIONS: Height - 500mm Width - 1000mm Depth Overall - 610mm

FILTERS: Compatible Pre-Filters: WAYS SAFE™ 300.G4 300 series pre-filter.
Compatible Main Filters: Any WAYS SAFE™ 300 Series Filter.
Main Filter Dimensions: 305mm x 305mm x 66mm

STANDARD OPERATION:

Switch the unit on using the ON/OFF rocker switch on the side of the cabinet, the internal green lamp will illuminate to indicate the fan is running.

The air flow through the unit and filter is controlled using the variable speed control knob. By using the control knob the airflow can be adjusted to any speed between the 2 pre-set points. Air flow face velocity can be measured using a suitable calibrated anemometer.

Switch the unit off using the ON/OFF rocker switch on the side of the unit.

The front panel lifts off for access, cleaning and for filter changing. The panels are manufactured from clear acrylic and the rear panel from white food grade plastic and board. The frame is made from anodised aluminium profile and the base is a white food grade plastic.

CLEANING AND MAINTENANCE:

To clean spray a mist of anti-static furniture polish, wipe on with clean dry cotton cloth and wipe off with clean dry cotton duster. **DO NOT USE ABRASIVE CLEANERS OR CREAMS.**

REMOVE AND DISPOSE OF FILTERS AND PRE-FILTERS IN A SAFE AND CONTROLLED MANNER AS PER YOUR SAFETY OFFICERS PROTOCOL.

See side of cabinet or last page of your user manual for compatible WAYS SAFE™ filter re-order codes.

PRE-FILTER CHANGING:

The pre-filter simply pulls out and is replaced by tucking the edges of the new WAYS SAFE™ pre-filter into the frame which holds the main filter.

MAIN FILTER CHANGING:

To begin, **SWITCH THE CABINET OFF AND UN-PLUG FROM THE MAINS.**

The Hepa Filter is held in place by four springs. To change the main filter undo the front nylon retaining nuts.

Lift the springs off the attachment stud, using the spring 't' hook (supplied with your new filter). Hold the frame and filter in place to prevent it falling out when the springs are undone. If the filter is difficult to remove, the seal may need to 'breach' from one corner of the filter first, using a blunt, flat instrument, insert it between the filter and back frame then carefully prise the filter up being careful not to damage the seal or the filter frame. Remove the old springs from the back frame and discard them.

Attach new springs (supplied with replacement filter) to the backframe and insert new filter ensuring the air flow direction arrow is pointing to the rear of the unit. Fix the front frame over the filter and attach the new springs using the spring 't' hook provided. (If there is no air flow direction label or it has been defaced please contact us)

Test certificates are supplied for each filter. Please note that the airspeed printed on the filter certificate is the airspeed at which the filters are tested by the manufacturers and bears no relationship to the airspeed, or 'face velocity', at the ports of the enclosure itself.

PLEASE SEE LAST PAGE FOR MORE FILTERS AND PRODUCTS COMPATIBLE WITH YOUR CABINET

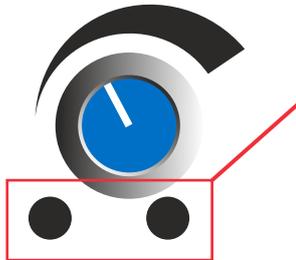


ADJUSTING THE MIN/MAX FAN SPEED:

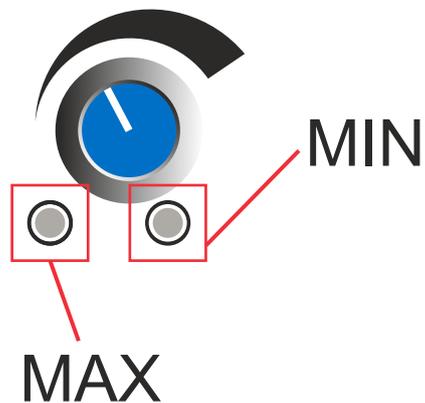
Minimum and maximum fan speeds are factory set to reasonable operating limits.

The limits are user adjustable.

This may be necessary if you change Filter media type or your intended use of the cabinet.



Remove the 2 plastic grommets fitted into the holes below the speed selector. This will reveal 2 small push buttons inside the unit.



To set the Maximum speed-

Switch the unit on and allow the fan speed to settle, using a small blunt instrument press the maximum speed set button, the LED should illuminate (see circled section in photo above).

Rotate the speed controller knob to till the desired Maximum speed is obtained, allowing the fan to settle for 20-30 seconds between changes. Once happy, press the Maximum speed set button again. The Maximum speed is now set.

Setting the Minimum speed is the same procedure as above but using the Minimum speed set button.

Should an error be made, you can reset the controller limits to their Maximum / Minimum state by simultaneously pressing both switches for 2 seconds.

Once completed, replace the 2 grommets back in the holes.

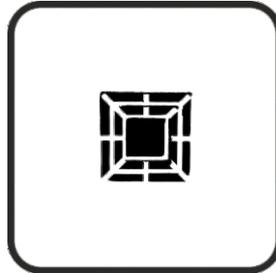
If you have any questions or queries please do not hesitate to contact us (see contents page).

AFA500 - AIRFLOW MONITOR AND ALARM (IF FITTED)

SPECIFICATION: The AFA 500 is an audio visual airflow alarm with integral or external airflow sensor.



AFA500



Airflow Sensor

AFA500 with Built in
Airflow Sensor

The AFA500 may have to be re-calibrated depending on your working procedures. The room air supply and extraction setup can also effect the operation of the alarm.

When the unit is powered up, the following sequence of events occurs:

1. The alarm performs a self-test of its functions, LEDs and audible alarm (approximately 2 seconds) and then initiates a delay timer of 30 seconds to allow the airflow sensor to stabilize.
2. During the 30-second stabilizing period, all alarms and relay outputs are deactivated and the red and green LEDs remain on.
3. At the end of the delay, the unit will do one of two things:
 - **If the monitor has been calibrated** the unit enters normal operating mode (solid green light for safe velocity, red light and audible alarm if low velocity).
 - **If the unit has not been calibrated** the red and green LEDs will flash, the audible alarm will be muted.

CALIBRATION:

1. Determine the required low air alarm point, using a calibrated instrument (e.g. Vane Anemometer) adjust the airflow fanspeed so that the face velocity of the Hood/Enclosure is equal to the required alarm point.
2. Press and hold the ENTER button for 5 seconds to enter Calibration Mode. This is indicated by both red and green LEDs flashing with the audible alarm beeping.
3. To initiate calibration, press and hold the ENTER and SET buttons at the same time. The unit will sample the airflow for 5 seconds, during which time the green LED goes off and the red LED flashes. The audible alarm continues to sound during the air sampling.
4. If calibration is successful, the monitor will give a two-tone beep at the end of the air sample, and then automatically enter run mode.

5. If the ENTER or SET button is released during the air sampling period, or if the airflow is fluctuating too much, the alarm will emit a lower-frequency buzzing for a short period and then re-enter calibration mode. If this occurs, press the ENTER and SET buttons again to repeat the airflow sampling.

6. When the calibration is complete, increase the airflow to normal, the Green LED should be illuminated, indicating that the airflow is greater than the calibrated alarm point. If, during normal operation, the airflow drops below the alarm point, the unit will go into alarm condition (red LED flashing, audible horn beeping). Push the enter button to temporarily mute the horn.

7. The horn can be permanently disabled by pressing and holding the SET button for 10 seconds. The horn will sound 3 times to indicate that it has been disabled. In Safe mode the Green LED will flash if the horn is disabled or be solid to indicate that the horn is enabled. To enable the horn press and hold the SET button for 10 seconds, the horn will sound 3 times to indicate that it has been enabled.

WAYS SAFE™ REPLACEMENT FILTERS, PANELS AND PARTS

DESCRIPTION	WAYS SAFE™ GP540 COMPATABILITY	ORDER CODE
PRE-FILTERS		
PREFILTER (PACK OF 10)	YES	1201.300.G4
MAIN FILTERS - ALL FILTERS SUPPLIED WITH TEST CERTIFICATE		
ULPA FILTER	YES	300.U16
HEPA H14 FILTER	YES	1200.300.H14
COMPOSITE HEPA H14 / CARBON FILTER	YES	1200-300.H14.CARBON
CARBON FILTER	YES	1200.300.C1
OTHER FILTER MEDIA	PLEASE ASK US	
PERSPEX/ ACRYLIC PANELS - FOR BESPOKE/ MODIFIED CABINETS AND FOR ANY OTHER ENQUIRIES PLEASE GET IN TOUCH		
STANDARD FRONT PANEL / FRONT COVER	YES	PLEASE ASK US
BESPOKE/ MODIFIED / OTHER ACRYLIC PANEL	PLEASE ASK US	
SPILL TRAYS/ BASES - FOR BESPOKE/ MODIFIED CABINETS AND FOR ANY OTHER ENQUIRIES PLEASE GET IN TOUCH		
SPILL TRAY/ BASE STANDARD - PLASTIC	YES	PLEASE ASK US
SPILL TRAY/ BASE STANDARD - STAINLESS STEEL	YES	PLEASE ASK US
BESPOKE / MODIFIED SPILL TRAY BASE	PLEASE ASK US	
POWER CABLES		
UNITED KINGDOM POWER CABLE	YES	PLEASE ASK US
SWISS POWER CABLE	YES	PLEASE ASK US
EUROPE POWER CABLE	YES	PLEASE ASK US
NORTH AMERICA POWER CABLE	120V ONLY	PLEASE ASK US
AUS/ NZ POWER CABLE	YES	PLEASE ASK US
OTHER POWER CABLE	PLEASE ASK US	
LED TOPLIGHTS - FOR BESPOKE/ MODIFIED CABINETS AND FOR ANY OTHER ENQUIRIES PLEASE GET IN TOUCH		
TL540 12V LED TOPLIGHT	YES	PLEASE ASK US
12V POWER PACK FOR LED TOPLIGHT	YES	PLEASE ASK US
BESPOKE/ MODIFIED TOPLIGHT OR LIGHT FIXTURE	PLEASE ASK US	
EXTERNAL FAN - SPEED CONTROLLERS		
REE10 RETRO FIT SPEED CONTROLLER 230V UK	ONLY WITH OLDER 2 SPEED MODELS	PLEASE ASK US
ANEMOMETERS AND AIRSPEED METERS		
ANEMOMETER 100MM W CALIBRATION CERTIFICATE	YES	PLEASE ASK US
ACCESSORIES		
HIGH TENSION SPRING KIT AND 'T' HOOK	YES	PLEASE ASK US
'T' HOOK	YES	PLEASE ASK US

For More, Please Visit Our Website
www.WAYS SAFE.co.uk

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