EDGE GUARD

INFORMATION AND PRODUCT GUIDES

100 E. BODMAN BEMENT, IL * (217)678-2228 dforan@edge-guard.com www.edge-guard.com
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www.edge-guard.com

PROUDLY MADE IN BEMENT, ILLINOIS

BRETT MARTIN

Fire Test Classification Report

Marlon ST

6mm Twinwall Clear
6mm Twinwall Opal
8mm Twinwall Clear
8mm Twinwall Opal

Test Result/Classification: **HB**

Test Method/Standard: **ASTM D635-14**

Intertek Wilton

Test Report

Determination of Burn Rate of Four Polycarbonate Multiwall Products

Test Report : **IWTN/W000004820RL001**

Prepared for : **Simona Firth**
Brett Martin Ltd

Brett Martin
24 Roughfort Road
Mallusk, Co. Antrim
BT67 0RZ
United Kingdom

Prepared by:

Julie Mason
Senior Scientist / Delivery Manager

Intertek Wilton

ITS Testing Services (UK) Ltd
The Wilton Centre
Redcar
TS10 4RF

Telephone: 01642 435769
Fax: 01642 435777

Email: julie.mason@intertek.com

TEST REPORT

Report Number:	IWTN/W000004820RL001
Chit Number:	ITWI-00000013426
Receipt Date:	25/05/2016
Lab Book Reference:	Subcontract
File Reference Location:	L:\MPP\MECHTPRO\data\Projects\Brett Martin
Number of Samples:	4
Method Reference:	ASTM D635-14

Samples Submitted

Intertek Sample Reference	Sample Description	Customer Identifier
IWTN/W000004820-1	Polycarbonate	Marlon ST 6 mm Twinwall Clear
IWTN/W000004820-2	Polycarbonate	Marlon ST 6 mm Twinwall Opal
IWTN/W000004820-3	Polycarbonate	Marlon ST 8mm Twinwall Clear
IWTN/W000004820-4	Polycarbonate	Marlon ST 8mm Twinwall Opal

Description of Work Required

Flammability Testing of Polycarbonate Multiwall Products

Experimental Details

The Burn Rate of each Polycarbonate multiwall product was determined in accordance with ASTM D635-14 using ten specimens with dimensions of 127 mm long × 12.7 mm wide × <12.7 mm thick. This test was performed at our sister laboratory within Intertek.

Results

The result pages are displayed on pages 3 to 6.

Date of Test: 10th June 2016.

Report Authorisation

Julie Mason
Senior Scientist / Delivery Manager

Date: 15/06/2016

Intertek Wilton welcomes feedback on all aspects of the service provided to you.
Please email any comments that you have to wilton.feedback@intertek.com

Work reported in this document is outside the scope of the UKAS ISO 17025 accreditation for UKAS Laboratory No. 0967.

Intertek

Testing	: **Rate Of Burning And/Or Extent And Time Of Burning Of Plastics - Horizontal Position**	
Test Method	: ASTM D635-14	
Project Number	: P20161942	Purchase Order # : UK001-185783
Customer	: Intertek	
Attention	: Julie Mason	
Analyst	: D. Loehr	
Date	: June 10, 2016	

ACCREDITED Cert. No. 0619.01 TESTING LABORATORY

Sample ID	: **Marlon ST 6 mm Twinwall Clear**
Sample Conditioning	: 48+ hours At 23°C ± 2°C / 50% ± 10% RH
Sample Preparation	: Tested as received
Sample Type	: Bars 13mm width x 125mm length (nominal)

Test Number	Thickness (mm)	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
1	5.9	0	Self Extinguished	0	0.0
2	5.9	0	Self Extinguished	0	0.0
3	5.9	0	Self Extinguished	0	0.0
4	5.9	0	Self Extinguished	0	0.0
5	5.9	0	Self Extinguished	0	0.0
6	5.9	0	Self Extinguished	0	0.0
7	5.9	0	Self Extinguished	0	0.0
8	5.9	0	Self Extinguished	0	0.0
9	5.9	0	Self Extinguished	0	0.0
10	5.9	0	Self Extinguished	0	0.0
Average	5.9	0		0	**0.0**
Std. Dev.	0.0	0		0	0.00

The behavior of specimens shall be classified HB (HB = horizontal burning) if,

- ☐ There are no visible signs of combustion after the ignition source is removed, or
- ☒ The flame front does not pass the 25 mm reference mark, or
- ☐ The flame front passes the 25 mm reference mark but does not reach the 100 mm reference mark, or
- ☐ The flame front reaches the 100 mm reference mark and the linear burning rate does not exceed 40 mm/min for specimens having a thickness between 3 and 13 mm or 75 mm/min for specimens having a thickness less than 3 mm.

This test method should be used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard for fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

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Phone: (413) 499 0983 Fax: 499 2339
http://www.ptli.com

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Project Number	:	P20161942
Customer	:	Intertek
Attention	:	Julie Mason
Analyst	:	D. Loehr
Date	:	June 10, 2016

Purchase Order # : UK001-185783

ACCREDITED Cert. No. 0619.01 TESTING LABORATORY

Sample ID	:	**Marlon ST 6 mm Twinwall Opal**
Sample Conditioning	:	48+ hours At 23°C ± 2°C / 50% ± 10% RH
Sample Preparation	:	Tested as received
Sample Type	:	Bars 13mm width x 125mm length (nominal)

Test Number	Thickness (mm)	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
1	6.0	0	Self Extinguished	0	0.0
2	6.0	0	Self Extinguished	0	0.0
3	5.9	0	Self Extinguished	0	0.0
4	5.9	0	Self Extinguished	0	0.0
5	5.9	0	Self Extinguished	0	0.0
6	6.0	0	Self Extinguished	0	0.0
7	5.9	0	Self Extinguished	0	0.0
8	5.9	0	Self Extinguished	0	0.0
9	5.9	0	Self Extinguished	0	0.0
10	5.9	0	Self Extinguished	0	0.0
Average	5.9	0		0	**0.0**
Std. Dev.	0.0	0		0	0.00

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Analyst	:	D. Loehr
Date	:	June 10, 2016

Purchase Order # : UK001-185783

ACCREDITED Cert. No. 0619.01 TESTING LABORATORY

Sample ID	:	**Marlon ST 8 mm Twinwall Clear**
Sample Conditioning	:	48+ hours At 23°C ± 2°C / 50% ± 10% RH
Sample Preparation	:	Tested as received
Sample Type	:	Bars 13mm width x 125mm length (nominal)

Test Number	Thickness (mm)	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
1	7.9	0	Self Extinguished	0	0.0
2	7.8	0	Self Extinguished	0	0.0
3	7.9	0	Self Extinguished	0	0.0
4	7.9	0	Self Extinguished	0	0.0
5	7.9	0	Self Extinguished	0	0.0
6	7.7	0	Self Extinguished	0	0.0
7	7.8	0	Self Extinguished	0	0.0
8	7.7	0	Self Extinguished	0	0.0
9	7.8	0	Self Extinguished	0	0.0
10	7.9	0	Self Extinguished	0	0.0
Average	7.8	0		0	**0.0**
Std. Dev.	0.1	0		0	0.00

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Intertek

Report No: IWTN/W000004820RL001
Page 6 of 6

Testing	:	**Rate Of Burning And/Or Extent And Time Of Burning Of Plastics - Horizontal Position**
Test Method	:	ASTM D635-14
Project Number	:	P20161942
Customer	:	Intertek
Attention	:	Julie Mason
Analyst	:	D. Loehr
Date	:	June 10, 2016

Purchase Order # : UK001-185783

ACCREDITED Cert. No. 0619.01 TESTING LABORATORY

Sample ID	:	**Marlon ST 8 mm Twinwall Opal**
Sample Conditioning	:	48+ hours At 23°C ± 2°C / 50% ± 10% RH
Sample Preparation	:	Tested as received
Sample Type	:	Bars 13mm width x 125mm length (nominal)

Test Number	Thickness (mm)	Elapsed Time (Seconds)	Disposition Of Sample	Burned Length (mm)	Linear Burning Rate (mm/min)
1	7.8	0	Self Extinguished	0	0.0
2	7.8	0	Self Extinguished	0	0.0
3	7.8	0	Self Extinguished	0	0.0
4	7.8	0	Self Extinguished	0	0.0
5	7.7	0	Self Extinguished	0	0.0
6	7.8	0	Self Extinguished	0	0.0
7	7.8	0	Self Extinguished	0	0.0
8	7.8	0	Self Extinguished	0	0.0
9	7.8	0	Self Extinguished	0	0.0
10	7.8	0	Self Extinguished	0	0.0
Average	7.8	0		0	**0.0**
Std. Dev.	0.0	0		0	0.00

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EDGE GUARD

Edge Guard Panel Cleaning Recommendations

1. Clean panels with a soft grit free cloth, preferably cotton, and a mild spray cleaner or window cleaner.

2. Sanitizing: use a soft cotton cloth with a commercial sanitizer or 1:10 bleach to water solution.

You should perform a test in a small area when first using a new cleaning or sanitizing product.

3. Fresh paint splashes, grease and smeared glazing compounds can be removed easily before drying by rubbing lightly with a soft cloth using petroleum ether (BP65), hexane or heptane. Afterwards, wash the sheet using mild soap and lukewarm water.

4. Scratches and minor abrasions can be minimized by using a mild automobile polish. We suggest that a test be made on a small area of Lexan sheet with the polish selected and that the polish manufacturer's instructions be followed, prior to using the polish on the entire sheet. Finally, thoroughly rinse with clean wate to remove any cleaner residue and dry the surface with a soft cloth to prevent water spotting.

Other Important Instructions for all Edge Guard Panels:

- Never use abrasive or highly alkaline cleaner on Lexan polycarbonate materials.
- Never use aromatic or halogenated solvents like toluene, benzene, gasoline, acetone or carbon tetrachloride on Lexan polycarbonate materials.
- Use of incompatible cleaning materials with Lexan sheet can cause structural and/or surface damage.
- Contact with harsh solvents such as methyl ethyl ketone (MEK) or hydrochloric acid can result in surface degradation and possible crazing of Lexan sheet.
- Never scrub with brushes, steel wool or other abrasive materials.
- Never use squeegees, razorblades or other sharp instruments to remove deposits or spots.
- Do not clean Lexan polycarbonate in direct sunlight or at high temperatures as this can lead to staining.

Additional Important Considerations for Edge Guard Panels:

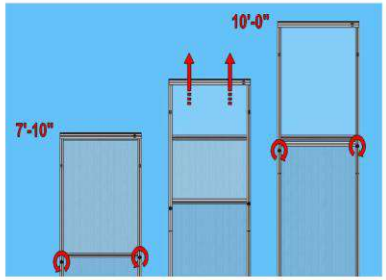
- Cleaners and solvents generally recommended for use on polycarbonate are not necessarily compatible with the UV-protected surfaces of Lexan multiwall, corrugated and sign polycarbonate materials.
- Do not use alcohols on the UV-protected surfaces of Lexan sheet.
- Use butyl cellosolve with a clean, soft cloth to remove paints, marking pen inks and lipstick. Afterwards, wash the sheet using mild soap and lukewarm water, then rinse with clean water to remove residue and dry with a soft cloth.
- Masking tape and adhesive tape work well for lifting off old, weathered paints.
- To remove labels stickers, the use of kerosene or petroleum ether (BP65) is generally effective. If the solven does not penetrate the sticker material, apply heat using a hair dryer to soften the adhesive and promote removal. Afterwards the cleaning procedure for small areas as outlined above should be followed.

PANEL INSTALLATION INSTRUCTIONS

EDGE Guard Barrier System
Installation Instructions

1. It's worth while to do a little planning prior to setting up your panels.
   a. Don't line your panels up in line with the ceiling grid tees. The tees need to cross over the panel tops for the grid clips to work. If you're installing a 24" anteroom type enclosure in a corridor and the grid tees are 24" off of the wall you can either put the end panels at an angle to make your enclosure less than 24" from the wall or use closure strips to make your area more than 24".
   b. If you're enclosure is sealing to a permanent wall try to figure out the simplest areas to join the wall to avoid handrail, fire alarm strobes/pull stations, switches, etc.

2. Settings Panels:
   a. Set the panel close to where it will go.
   b. Loosen the thumb screws on the sliding top panel and slide it up to the ceiling. The top of the panel has a soft gasket which seals to the ceiling. Apply upward force to the ceiling but not enough to push the ceiling up. This will hold the panel in place until the grid clips are installed.



Scan this with your smart phone to link to an installation video.

Grid Clip Installation:

a. The grid clips secure the top of the panels to the ceiling grid. The vertical screw applies pressure to the plastic clamping block which squeezes the grid tee without making any marks. The horizontal screw secures the grid clip to the panel top rail with a t-nut.
b. Loosen the vertical screw and pull the plastic block down to create a gap large enough to slide over the edge of your grid tee.
c. Loosen the horizontal screw to allow the t-nut to slide in the panel top rail.
d. Insert the clip into the panel top rail and slide it onto the grid tee. Note: the clip can be reversed by removing the horizontal screw and reinserting it from the opposite direction.
e. Tighten both screws.

Cam Lock Installation:

a. Cam locks are used to join panels together. One panel has the cam body and the other panel has a machined knob that the cam lock body fastens to. Each panel is supplied with 3 cam locks assemblies. Cam locks are typically installed at about 18" and 60" above the floor and 8" below the ceiling. These dimensions may be adjusted as needed.
b. Install the camlocks with the knobs loose. After you push the cam body onto the mating knob, tighten the knobs. Pushing the cam body down farther onto the mating knob side with pull the panels together tighter.
c. The direction that the camlock swings may be reversed by removing the knob from the t-nut and reinserting it from the opposite direction.

Hinged Corner Installation:

a. Hinged corners allow you to make transitions from 90° to about 170°.
b. Install the corners using cam locks similar to joining panels. The cam locks have to swing from the corner towards the mating panel. If you try to swing the cam lock from the panel into the corner it will hit the inside of the corner post and won't work. You can install the lower and middle camlocks on the inside of the enclosure. The upper camlocks need to be installed outside of the enclosure, as shown in this picture.
c. The simplest way to create angles is to connect the corner to the two mating panels at 90°, then swing one panel to the angle you desire.
d. After you have the panels situated where you want them slide the top center post up to the ceiling to fill the gap form between the mating panel sliding tops. This is done from inside the enclosure.

PANEL INSTALLATION INSTRUCTIONS

Door Panel Installation:

a. The door panel with its sliding top is adjustable from 7'-8" to 8'-10".
b. A separate top panel extension (included with the door) fastens to the top of the sliding top panel and allows you to adjust from 8'-10" to 10'-0".
c. The extension panel (shown here) sits on top of the sliding top panel. The side with the gasket material is the top. This creates a seal with the ceiling.

d. To install the extension loosen the knurled knobs on the splice bars (one per side). Slide the splice bar up to the slot that is cut towards the top of the extension panel. Pull the t-nut through the slot and rotate the spice bar 180°.

Insert the t-nut into the slot that is cut in the top of the sliding panel. Adjust the slice bar so that it is centered over the joint between the two panels. Push down on the extension panel to compress the gasket material on the top of the sliding panel and tighten the knurled knobs.

e. The installed extension will look like the picture below.
f. When the extension is not being used it's best to keep the splice bars fastened to it so they don't get lost.

Step 1 – Insert ½" sheet metal backer strips into the panel's aluminum side as shown.

Step 4 – Mark and cut closure strips to fit around handrail, etc. using tin snips. Closure strips may be bent by hand or with duck bill pliers. Lap strips to make an air tight seal.

Step 2 – Apply double sided polyethylene tape to the face of the panel side rail. DO NOT USE FOAM TAPE.

Step 3 – Remove protective film from the edge of the closure strip and apply ¾" x ¾" soft foam gasket material.

Step 5 – Remove paper from polyethylene double sided tape. This tape is clear. Yours is white.

Step 6 – Compress the soft gasket material to the wall and apply the closure strip to the double sided tape. This will hold the closure strip in place and make an air tight seal.

Step 7 – Install screws though the closure strip into the sheet metal strip. DO NOT SCREW INTO THE ALUMINUM.

When you remove the closure strips the polyethylene double sided tape will peal off of the aluminum without leaving any residue.

CLOSURE STRIP INSTRUCTIONS

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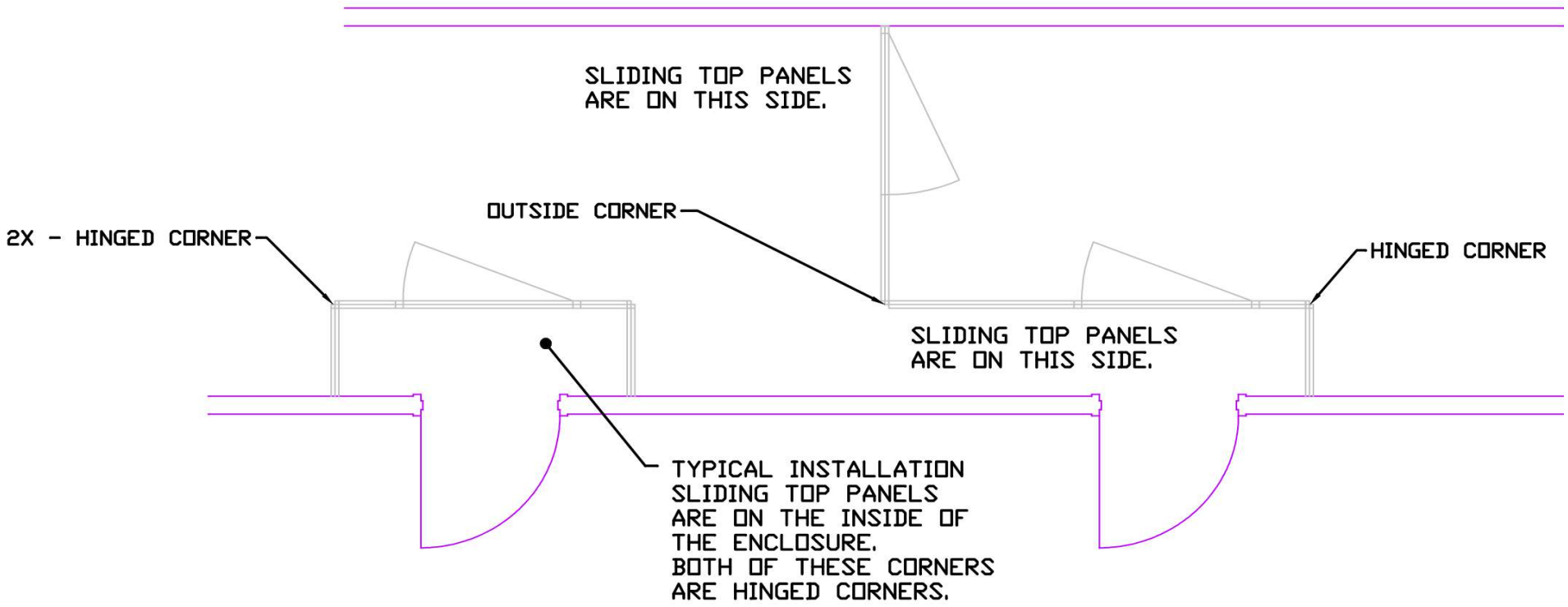
HINGED CORNERS VS OUSTSIDE CORNERS



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PUSHBUTTON COMBINATION LOCKS AND LEVER STYLE LOCKSETS

Pushbutton Combination Lock

PN – 3006 - $200

Mechanical and Programmable

ANSI Standard Commercial Grade Lock

- Solid Brass 6 pin tumbler cylinder
- All metal construction
- All necessary mounting Screws and latches included
- No exposed mounting screw
- Fits 1 3/8" and 1 3/4" doors
- Standard 2 3/4"(70mm) (center of the hole to the edge)

Standard 2 1/8" hole bore

Standard Lever Style Lock – Supplied with our doors.

Keyed on the outside pushbutton inside.

Normally they are used with a classroom function but can be changed to storeroom.

Our doors a prepped with a 2 ¾" backset. They are 1 ¼" thick so in some instances a spacer ring maybe needed. The picture to the right is showing the edge of the door.

OMNITEC DESIGN, INC.

NITRO 600

Manufacturing Air Purification Equipment Since 1988

The **NITRO 600,** portable air filtration machine with impact resistant polyethylene housing and performance you have learned to expect of OmniAire equipment. The NITRO 600 is UL/CSA listed for your safety and to meet your high expectations and many project requirements.

Omni*Aire 600N*

Airflow Ratings with HEPA (cfm)	200 to 600
Motorized Impeller (free flow)	1000 cfm
Operating Speed	Variable
Power Requirements (Volts/Hz) *	115V/60Hz
Motor operating amps	2.2 amp
GFI protected convenience outlets	8.0 amp
Circuit breaker	12.0 amp
Filtration Stages	3 to 4
HEPA Filter 99.97%@0.3 micron	Tested/Certified
Net Weight With Filters	36 lbs.
Dimensions (LxWxH)	25"x18.5"x18.5"
Cabinetry	Flame retardant polyethylene
Exhaust and Inlet Collars Diameter	10"
Carrying Handle Soft Rubber Grip	1
Operational sound level (at 3 ft)	58 to 68 dBA

*230 Vac/50-60Hz machine is available

Airflows based on blower manufacturer curves. Different HEPA filters may cause the flow to vary.

ORDERING INFO ..... PART #	
Omni*Aire 600N*	OA600N
HEPA Filter 99.97%, 0.3µ	OAH15156
Geo95 MERV 14 filter	OAG15154
Primary/Secondary Filter (qty 20)	OAP1616
Quick Clamp, 10" dia.	QCW12
Flexible Duct, 10" x 25'	OAD10
OdorGuard 600 Carbon Filter	OG1616

3067108

CONFORMS TO UL STD 507
CERTIFIED TO CAN/CSA STD C22.2 NO. 113-M1984

www.omnitecdesign.com
2125 196th Street SW, Suite 115, Lynnwood, WA 98036
phone 425-774-3257 fax 425-774-4983

OMNITEC DESIGN, INC.

Omni*Aire 600N* NITRO 600

Performance:
Quiet and smooth operation with motorized impeller and variable speed control. Multiple units can be operated stacked three high and four to five units can be daisy-chained on one 15 amp circuit. Air flow with HEPA and primary/secondary filters installed is from 200 to 600 cfm, controlled by the variable speed controller. Free airflow without filters is 1000 cfm and blower is capable of 3.35" WC static pressure which extends the useful life of your filters.

Filtration:
Our standard final filter is HEPA 99.97% @ 0.3 micron efficiency, tested and certified. The primary/secondary filter is dual density, MERV 8 with antimicrobial treatment - efficient and economical.

Optional filters for NITRO 600 could be combine with or replace our standard filters:

- Our economical Geo95 MERV 14 filter with solid plastic frame can replace HEPA filter for non-hazardous dust contaminants. It has an unique design for high dust holding capacity and low air flow resistance.
- OdorGuard 600 carbon filters for odors and vapors can be an addition to any particulate filter.
- Pleated MERV 11 high efficiency secondary filter installed in the door cavity.

Housing:
High density polyethylene plastic housing has sunrise orange/yellow color for visibility and is design for high strength and smooth air flow. Polyethylene has UL 98HD flammability rating with UV inhibitor for outdoor use. Polyethylene surface does not support bacterial growth and is easy to clean. Units stack safely three high with interlocking design and have soft rubber handle for a comfortable grip. Interlocking hinged door has a 3.5" deep compartment for variety of pre-filters to meet your job needs. Machine has integral 10" diameter ring connections for flex hoses. While the NITRO weighs only 36 lbs, its' walls are solid, the HEPA seal is consistent and our larger motorized impeller delivers higher flow.

www.omnitecdesign.com
2125 196th Street SW, Suite 115, Lynnwood, WA 98036
phone 425-774-3257 fax 425-774-4983

OMNITEC DESIGN, INC.

Manufacturing Equipment for Abatement and Restoration Industry Since 1988

MiniForce II

HEPA Air Filtration Machine

MiniForce II is a compact, portable HEPA air scrubber for small projects and restricted spaces. The MiniForce II is used as negative air machine for removal of toxic mold, asbestos and lead dust during renovation and abatement projects. For removal of chemical fumes, VOCs and biological contaminants, activated carbon filters can be installed.

The MiniForce II provides cleaner and healthier environment at construction/renovation projects and industrial facilities.

MiniForce II Specifications

Airflow Ratings (cfm)*	350 & 425
Operating Speeds	2 speeds
Filtration Stages	HEPA Filter 99.97%, 0.3µs
	MERV8 primary/secondary filter
Optional	OdorGuard 600 activated carbon filter
Motor	1/5 hp with Thermal Overload
Circuit Requirements	115V 60Hz 3.2 amps
Pressure Gauge	0-3" W.C.
Cabinetry	Aluminum, silicone sealed before riveting
Exhaust Collar	8"
Carrying Handles w/Rubber Grips	1
3" Hospital Grade Casters	4 Swivel with Brakes
Weight With Filters	43 lbs.
Dimensions	26.5"L x 14"W x 16"H

*Airflows based on blower manufacturer curves.

Different HEPA filters may cause the flow to vary.

CONFORMS TO UL STD 507
CERTIFIED TO CAN/CSA STD C22.2 NO. 113-M1984

ORDERING INFO	PART #
Omni*Aire* Mini*Force II*	MF100C
HEPA Filter 99.97%, 0.3µ	MFH12
Primary/Secondary Filter (qty 20)	MFP1313
Intake Manifold, 8"	MFIM8
Quick Clamp, 8 to 10"	QCW12
Flexible Duct, 8" x 25'	MD8
OdorGuard 600 Carbon Filter	OG1212

Omnitec Design, Inc.

4640 Campus Place, Suite 110 Mukilteo, WA 98275

Visit us @ www.omnitecdesign.com

Office: 425-290-3922

4002.1 is our standard panel with a port to exhaust HEPA filtered air out of the containment area. This port has an 8" I.D. and a 10" O.D. on both the inside and outside of the panel. An 8" diameter plug is tethered to the inside of the panel to close the port off when not in use.

EDGE GUARD

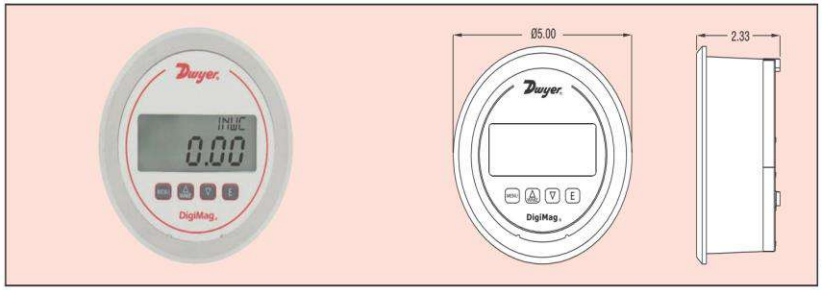
Series DM-1000

DigiMag® Digital Differential Pressure and Flow Gages

24 Volt or Battery Powered, Fits in Magnehelic® Gage Cut-Out

PRESSURE

Differential Pressure Gages



The Digi-Mag® Series DM-1000 Digital Differential Pressure and Flow Gages monitor the pressure of air and compatible gases, just as its famous analog predecessor the Magnehelic® Differential Pressure Gage. All models are factory calibrated to specific ranges as listed in the chart below. The 4-digit LCD can display readings in common English and metric units so conversions are not necessary. The simplified four button operation reduces set up time and simplifies calibration with its digital push button zero and span.

The DigiMag® Digital Gages are more versatile than analog gages with their ability to be field-programmed to select pressure, air velocity or flow operation depending on model. The DigiMag® Digital Gages have an added feature for filter applications where a set point can be input where the display will blink when the filter is dirty, alerting the user that a maintenance action needs to occur.

Programming the Series DM-1000 is easy using the menu key to access 4 simplified menus which provide access to depending on model: Security level; engineering units; K-factor for use with various Pitot tubes and flow sensors, circular or rectangular duct size for volumetric flow operation; filter set point; view peak and valley process readings; digital damping for smoothing erratic process applications; display update to conserve battery life; zero and span field calibration.

The Series DM-1000 DigiMag® Digital Differential Pressure and Air Flow Gages possess a full-scale accuracy of 1% on ranges down to 2 in w.c. and 2% accuracy down to the very low ranges of 1 in to 0.25 in w.c. DigiMag® Digital Differential Pressure Gages offer power versatility by working with 9-24 VDC line power or simply 9V battery power. If using line power and connecting the 9V battery, the battery will act as a back-up if line power is lost or interrupted.

ACCESSORIES

A-299, Surface Mounting Bracket
A-300, Flat Flush Mounting Bracket
A-286, 4-1/2" Gage Panel Mounting Flange
A-489, 4" Straight Static Pressure Tip with Flange
A-480, Plastic Static Pressure Tip

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Housing Materials: Glass filled plastic.
Accuracy: ±1% FS including linearity, hysteresis and repeatability; ±2% FS for ranges 1 in w.c. and below.
Temperature Limits: 0 to 140°F (-18 to 60°C).
Compensated Temperature Limits: 32 to 122°F (0 to 50°C).
Long Term Stability: ±1% FS per year.
Thermal Effect: ±0.05% FS/°F typ.; ±0.10% FS/°F for ranges 1 in w.c. and below.
Display: 4-digit LCD (digits: 0.60H x 0.33W).
Display Update: Selectable for 1 second to 10 minutes or update only from button push.
Pressure Limits: Normal and bi-directional ranges 5 in w.c. and lower = 2 psi (13.7 kPa); Normal and bi-directional ranges 10 in w.c. and higher = 11 psi (75 KPa).
Selectable Engineering Units: in w.c., psi, kPa, Pa, mm w.c., mBar, in Hg, mm Hg, FS (0-100%).
Power Requirements: 9 V alkaline battery, included, user replaceable or external power supply 9-24 VDC.
Battery Service Life: Battery life depending on the display update setting: 150 hours (typical) if display update = 1 second; 9 month (typical) if display update = 10 minutes; 1.5 years (typical) if display update is disabled. Battery may last up to four times longer when using lithium-based battery ULTRALIFE U9VL-J.
Current Consumption: 5 mA max.
Electrical Connections: Removable terminal block for 16 to 26 AWG.
Electrical Entry: Cable gland for 0.114 to 0.250" (2.9 to 6.4 mm) diameter cable.
Process Connections: 1/8" (3 mm) ID tubing.
Enclosure Rating: NEMA 4X (IP66).
Weight: 1.18 lb (535 g).
Size: 5" (127 mm) OD front face.
Agency Approvals: CE.

OPTION

For NIST traceable calibration certificate, add suffix -NIST to model numbers.
Example: DM-1103-NIST.

Model	Range (in w.c.)	psi	kPa	Pa	mbar	mm w.c.	in Hg	mm Hg	% of FS	Resolution (in w.c.)
DM-1102	0.250	–	0.062	62.20	0.622	6.35	–	0.467	100.0	0.001
DM-1103	0.500	–	0.124	124.5	1.245	12.70	–	0.934	100.0	0.001
DM-1104	1.000	–	0.249	249.1	2.492	25.40	–	1.868	100.0	0.001
DM-1105	2.000	–	0.498	498.2	4.982	50.80	–	3.736	100.0	0.001
DM-1107	5.000	0.181	1.245	1245	12.45	127.0	0.368	9.34	100.0	0.002
DM-1108	10.00	0.361	2.491	2491	24.91	254.0	0.736	18.68	100.0	0.010
DM-1109	15.00	0.543	3.738	3738	37.38	381.0	1.104	28.02	100.0	0.010
DM-1110	25.00	0.903	6.227	6227	62.27	635.0	1.839	46.71	100.0	0.010
DM-1111	50.00	1.806	12.45	–	124.5	1270	3.678	93.42	100.0	0.020
DM-1112	100.0	3.613	24.91	–	249.1	2540	7.355	186.8	100.0	0.100

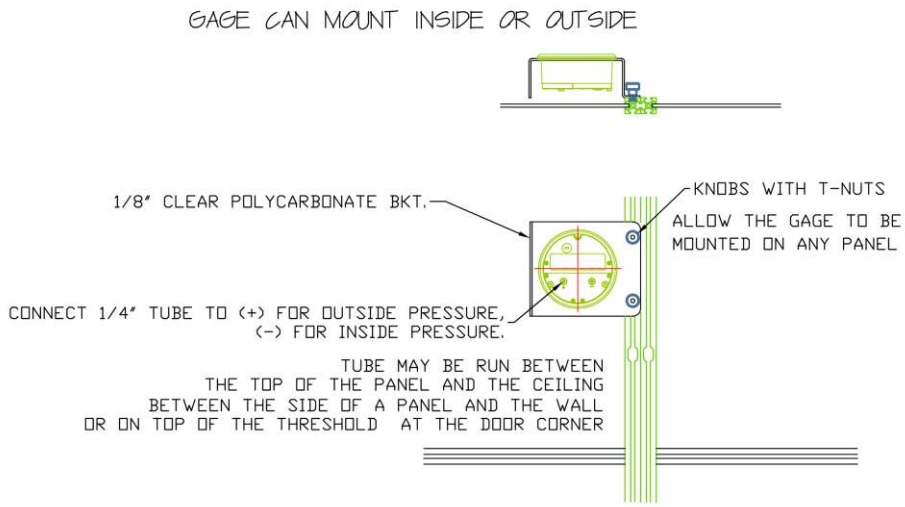
Contact the factory for available bi-directional ranges from ±0.25 to ±10 in w.c.

Note: For air flow models change -11XX to -12XX.

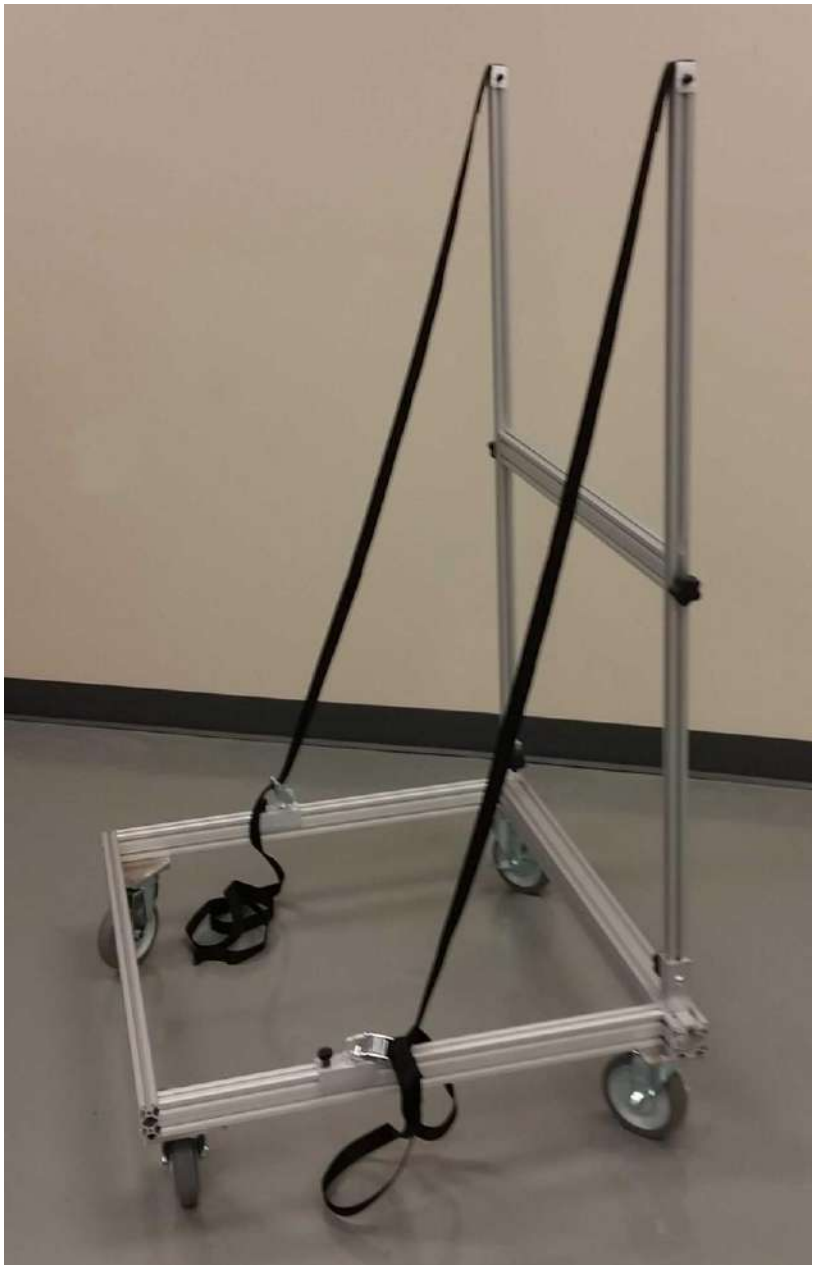
Process Tubing Options: See page 547 (Gage Tubing Accessories)

EDGE GUARD

GAGE BRACKET INSTRUCTIONS



PANEL TRANSPORT CART



OUR CART CAN TRANSPORT 11 PANELS AT A TIME. THE CARTS MAKE FOR EASY STORING WHEN THE PANELS ARE NOT IN USE. CARTS ARE INCLUDED IN PACKAGES

The Grid Clip Assembly is a very important part of the EDGE Guard Dust Free Barrier System.

Our grid clips have been specially designed to secure the top rail of our Adjustable Panels to suspended type ceiling grid.

The low profile top section allows the clip to fit around the edge of the grid without disturbing the ceiling tile (flat or regular). A plastic pinch block prevents damage to the grid.

Our clips work with standard 15/16" grid, fine line grid and extruded aluminum gasketed grid.

Grid Clips slide along the entire length of the panel top rail to adapt to the grid layout. **No tools are required.**

Grid Clips are included with our panel assemblies or may be purchased separately

@ www.edge-guard.com

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dforan@edge-guard.com (217)678-2228

GRID CLIP ASSEMBLY P/N-3001

The Panel Camlock Fastening Assembly has been custom engineered exclusively for use with the EDGE Guard Dust Free Barrier System.

Our camlocks consist of an aluminum body with a radial slot that is not concentric to its pivot point. The farther you push, the tighter it squeezes the panels together. We implement thumb screws and t-nuts to make the **installation very simple without the use of tools**. The picture to the left shows how we machine slots into the extruded panel frames to allow for a quick installation of the camlock assembly.

Camlocks are included with all of our Panel Assemblies or may be purchased separately @ www.edge-guard.com

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PANEL CAMLOCK ASSEMBLY P/N-3002

SCREW JACK ASSEMBLY

The screw jack assembly fits into the top panel rail or side rails and allows you to apply pressure to GWB ceilings or walls to secure the panel assembly in place.

SCREW JACK ASSEMBLY P/N -3004

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- Our light weight modular panels assemble quickly without the use of tools.
- Panels are Flame Resistant. ASTM E-84:

Flame Spread – 0, Smoke Developed – 85.

Class A. ASTM D-635 - Class CC1.

- Reusable panels eliminate waste.
- Panels adjust in height from 7'-8" to 10'-0".
- We offer 12", 24", 36" and 48" wide panels.
- Door panels include a hydraulic closer and a lever style lockset standard. A pushbutton combination lockset is available.
- Hinged corner posts allow for angled configurations.
- We offer porting options on our 24" panels for 8" diameter and 10" diameter HEPA exhaust and differential pressure monitoring.
- Custom Engineered camlock fasteners join panels together. Custom grid clips secure panels to ceiling.
- One person can typically set up a **2' x 12'enclosure in less than an hour,** breakdown in less than a half hour.
- Our system's labor savings compared to using metal studs and drywall typically pay for the units in 2 to 3 uses.
- Our panels allow light to pass through creating a pleasant, safe work environment without the need of added temporary lighting.

www.edge-guard.com

EDGE GUARD

MADE IN USA

If you need something other than what we have listed please let us know.
We are capable of producing one of a kind items to meet your needs.

FEEL FREE TO CONTACT US DIRECTLY WITH ANY PURCHASING OR ORDERING INQUIRIES.

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