

**From:** Paul Elm  
**Sent:** 14 October 2020 14:44  
**To:** Jill Bastow  
**Cc:**  
**Subject:** NYM/2020/0646/RRC - 12 Bridge Street, Helmsley

Hello Jill

I apologise for the lateness in getting this information to you but now attach documents I have just received from Robert Green of Express Catering Equipment & Fabrications Ltd in connection with the proposed flue at the above address.

I hope that the technical data might mean something to the Environmental Health Officer.

Mr Green has explained that the system will expel odours high into the air so they do not affect any neighbours. The system will be set on anti-vibration mountings so there will be no noise.

He has stated that the flue can be slightly narrower than originally specified and can be powder coated to pretty much any colour you require. I would suggest that a neutral 'stone' type colour might be most appropriate in this location.

It was disappointing to see the number of objections raised by 'locals' to the proposal. Most of these are based on speculation and hearsay. The opening hours as stated in the application are between 4.00pm and 9.00pm. It is not planned at this stage to operate any take-away facility. The proposed facility is being aimed at locals rather than tourists, the applicant has a gap in the range of services operating in the town. As James Hare, the agent at Helmsley Estate mentioned in his letter, the property has been listed as available for over two years, but Mr Pili is the first person to show a realistic interest in taking over the lease. The town currently lacks a restaurant serving 'English' food, others, excluding those in hotels, serve Italian and Indian derived meals.

Every effort is being made by the applicant to create a facility which will be attractive to locals without causing any disturbance to neighbours. He has employed specialists to design the catering equipment to be fitted in the kitchen, this will comply with the latest regulations on such matters.

Armed with this information I hope that you will be able to make a favourable recommendation on the matter. Should you have any further query, please do not hesitate to get back in touch.

Best wishes

Paul Elm



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lindab | safe

# Circular duct

SR

## Technical data

### Special versions

We can supply ducts with the following special designs:

- In intermediate dimensions, see page 15.
- Extra tight, with nitrile rubber seal in the lock seam
- In other sheet metal thicknesses

### Extra tight, with seam seal

When extremely good sealing is required in the spiral seam, the ducts can also be supplied with a special rubber seal in the seam.

This seal is very effective at stopping leakage of vegetable oils and greases, and most petroleum products including white spirit.

### Other sheet metal thicknesses

If extra stability is needed in ducts, because of high negative pressure etc., they can be supplied with thicker sheet metal than standard. Remember that the thickness increase always reduces the inner diameter. Fittings for such special ducts must be specified separately and sometimes have to be made specially.

### Reinforcement corrugations

Ducts of Ø250 mm and above are normally given stiffening corrugations to increase radial stiffness.

## Strength

### Positive pressure

In case of high positive pressure, the seal moulding lips will first start to whistle. At considerably higher pressure, the joints between the ducts will be forced apart. If you manage to fix the connections very well, the ducts will burst at their seams at even higher pressure. The high pressures needed for this to happen are not relevant to ventilation installations.

### Negative pressure

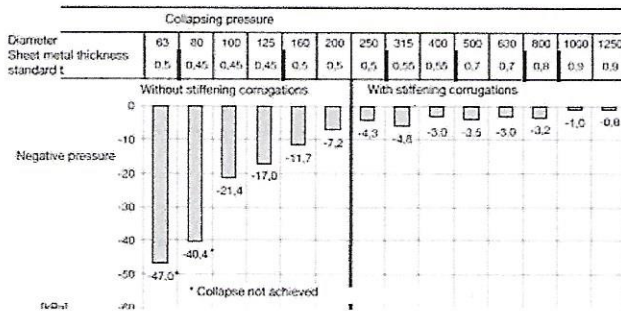
In installations with high negative pressure, there is a risk that the ducts could collapse.

This phenomenon is referred to as buckling, and can suddenly happen at the weakest point in the system. Buckling wanders along the duct, which can be completely flattened. The weakest point is frequently a "transport dent" on a duct. For this reason, only use undamaged ducts in systems which are close to the critical pressure!

### Sealing

The ability of the seal moulding to seal is different from these pressures, and is noted on page 45.

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lindab | access doors

# Access door

IPLR



**Description**  
Access door, which fits on the curved side of a circular duct  
A neoprene cellular gasket seals on the duct's inside.  
Supplied with a self adhesive template which guides when cutting the oval aperture.  
Ø 100-800 is available in stainless steel by request.  
Can achieve maximum tightness class C.

**Specification**  
Door Panels Corrosion resistant galvanised mild steel.  
Locking Knob Polyamid.  
Bolts/Nuts Zinc plated mild steel.  
Gasket Neoprene cellular gasket which will not support combustion in its installed state.

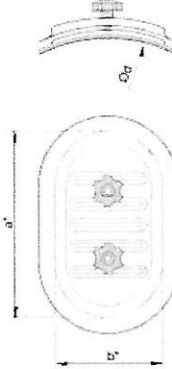
**Alternative materials**  
Door panels are available in aluminium to special order.

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**Ordering exaple**

Product | IPLR | 500 | GALV

**Dimensions**



**GALV**

Ød nom	a* mm	b* mm	m kg
80	180	80	0,36
100-125	180	80	0,36
150-160	250	150	0,60
180	250	150	0,60
200	250	150	0,60
250	250	150	0,60
300-315	250	150	0,60
355	250	150	0,60
400	400	300	2,20
450	400	300	2,20
500	400	300	2,20
560	400	300	2,20
630	400	300	2,20
710	400	300	2,20
800	400	300	2,20
900	400	300	2,31
1000	500	400	2,31
1120	500	400	2,31
1250	500	400	2,31

\* Note! Opening dimensions.



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# Access door

# IPLR

## Dimensions

Stainless steel

Od nom	a mm	b mm	m kg
80	100	80	0,32
100	160	80	0,32
125	160	80	0,32
160	200	100	0,41
200	200	100	0,41
250	200	100	0,41
315	300	200	1,01
355	300	200	1,01
400	400	300	2,11
450	400	300	2,11
500	400	300	2,11
560	400	300	2,11
630	400	300	2,11
710	400	300	2,11
800	400	300	2,11
900	400	300	2,11



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Manufacturing Air Filters in the UK for **42** years

# Sitesafe Discarb Units

## General Description

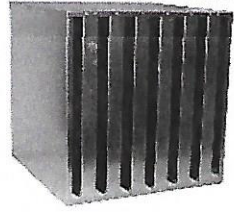
Standard Discarb multipanel carbon units have been in circulation for over 30 years and there are many tens of thousand of units in service today. These filters are very heavy and nearly always installed in situations with very poor access.

With the new appreciation of risk which we have in the 21st Century it has become apparent that these units represent a real danger to health and potentially offer risk in the work place when a filter change is required.

The new Sitesafe Discarb cells provide exactly the same filter performance with a set of filters which will retrofit exactly for an existing full size cell.

We offering a full set of Site Safe discarbs for the same price as a full sized cell so there is no reason not to change to the new style filters and improve workplace safety.

Will require two people plus lifting gear to carry and install



Discarb DC242424

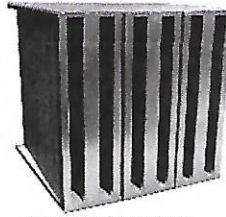
Safe for one person to carry, no special lifting gear required.

Sitesafe discarb cells are a no added cost option so its win win.

Same price as a standard full size discarb - set of 3



Sitesafe DCS240824



Sitesafe 3xDCS240824

## Standard Sizes

SiteSafe Reference	SiteSafe Cells Needed	Retrofit Discarb	Nominal Size (Inches)	Height (mm)	Width (mm)	Depth (mm)
DCS060624	-	-	6 x 6 x 24	196	149	5
DCS120618	-	-	12 x 6 x 18	232	146	4
DCS180912	2	DC181812	18 x 9 x 12	445	220	2
DCS240612	2	DC241212	24 x 6 x 12	594	146	2
DCS240812	3	DC242412	24 x 8 x 12	594	196	2
DCS180918	2	DC181818	18 x 9 x 18	445	220	4
DCS240618	2	DC241218	24 x 6 x 18	594	146	4
DCS240818	3	DC242418	24 x 8 x 18	594	196	4
DCS180924	2	DC181824	18 x 9 x 24	445	220	5
DCS240624	2	DC241224	24 x 6 x 24	594	146	5
DCS240824	3	DC242424	24 x 8 x 24	594	196	5

The above capacities are based on a 0.1 second dwell time. Please refer to the minimum dwell times required for different applications and scale up according performance will be improved by increasing the dwell times applied. The appropriate part number to specify the required grade e.g. DCS240624-AC

Application	Recommended Dwell Time	Grade
Cooking - General Restaurant	0.1 to 0.2 Seconds	Carbon grade f performance fo
Cooking - Spicy, Indian	0.2 to 0.4 Seconds	Enhanced Carb many applicati CTC
Reduction of Kerosene Exhaust fumes	0.1 to 0.2 Seconds	General Purpos
Reduction of Ozone	0.1 to 0.2 Seconds	General Purpos
Reduction of Diesel Fumes, including H <sub>2</sub> S, SO <sub>2</sub> , NO <sub>x</sub> , HCl	0.2 Seconds	Carbon Museu Directive: SO <sub>2</sub> Removal
Museum and Archives	0.2 Seconds	Carbon Museu Directive: SO <sub>2</sub> Removal
Mortuary / formaldehyde reduction	0.4 Seconds	Mortuary Grad Removal



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## RSI 60-35 EC sileo

Item Number: 77005  
Variant: 230V 1~ 50Hz

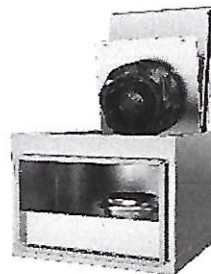


- EC motors, high level of efficiency
- 100% speed controllable
- Integrated motor protection
- Can be installed in any position
- Potentiometer included for easy commissioning

The RSI models are thermally and acoustically insulated with 50mm mineral wool and perforated sheet steel on the inner surface. This gives a quiet running with many installation possibilities.

The RS RSI EC series have impellers with backward-curved blades and are fitted to EC external rotor motors. These fans have a high capacity in relation to their compact design. The fans are delivered with a pre-wired potentiometer (0-10V), which allows you to easily find the desired working point.

EC fans are suitable for their economical use of energy and excellent ease of control. They can be varied in speed to match the airflow demand, and operate at high efficiency levels. For the same air volume, they consume distinctly less energy than AC fan drives. Motor protection is integrated in the electronics of the motor. The casing is manufactured from galvanized sheet steel.



### Technical parameters

Nominal data	
Voltage (nominal)	230 V
Frequency	50 Hz
Phase(s)	1~
Input power	524 W
Input current	2.29 A
Impeller speed	1,941 rpm
Air flow	max 4,389 m <sup>3</sup> /h
Temperature of transported air	max 60 °C
Max temperature of transported air, when speed controlled	60 °C
Sound data	
Sound pressure level at 3m (20m <sup>2</sup> Sabine)	52 dB(A)



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Material: Plastic.

for square tubes
for square parts



Ordering example

Product **SBEI 40 2**

Dimension

Thickness

### SBEU

Pipe cover, outside

Material: Plastic.

for square tubes
for square parts



Ordering example

Product **SBEU 40 2**

Dimension

Thickness

### GMATTA, GKUDDE

Anti-vibration mat

Plain rubber mat, 10 or 25 mm thickness with 60 shore, or ribbed mat, designed for vibration damping, 8 mm thickness with 50 shore.



Code			
GMATTA	100	8	5 kg/cm <sup>2</sup>
GKUDDE	100	10	10 kg/cm <sup>2</sup>
GKUDDE	100	25	10 kg/cm <sup>2</sup>

Ordering example

Product **GKUDDE**

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We reserve the right to make changes without prior notice



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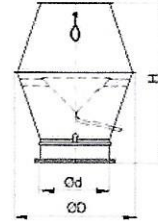
lindab | roof hoods

# Roof hood

HF



### Dimensions



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### Description

Ventilation hood for air exit above roof, suitable for both industrial and comfort ventilation. The air is ejected in an upwards directed jet. This avoids contaminating the air in the vicinity of the hood, and soiling of the area around the hood. The ejection is so effective that you can install a fresh air inlet in the immediate vicinity of the hood, without any special precautions.

The hood is made of galvanised sheet steel, and can also be supplied in other materials such as stainless steel sheet 1.4301, stainless acid-resistant steel sheet 1.4404, aluzinc AZ185 and painted in various colours, to special order. It has a net over the opening and an internal rain funnel to collect rainwater and snow, which is drained out of the hood through a hose. The hose can withstand temperatures of between -45 and +65 °C.

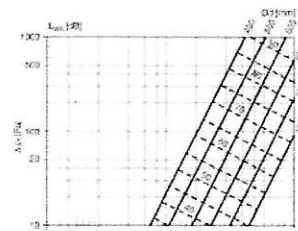
The hood has a flange connection, which includes a mating flange. The hood can be ordered with other connections, however.

To avoid damage to the net in the opening the hood is supplied with transport protection. This must be removed before the hood is taken into service.

The hood is delivered with three turnable lifting and anchoring wire-loops. A single wire-loop shall not be exposed for forces exceeding 1500 N.

Ød nom	OD mm	H mm	m kg	Roof through connection TGR	
				50 mm Size	100 mm Size
400	685	905	11,1	5	6
500	855	1055	20,0	6	7
630	1075	1295	38,0	8	9
800	1360	1640	63,0	9	10
1000	1660	2110	89,1	11	12
1250	2020	2615	118	14	15

### Technical data







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I PAUL , SORRY FOR THE DELAY , I HAVE HAD TO WAIT FOR THE INO FROM THE FAN SUPPLIER , I HAVE PUT A DESCRIPTION OF THE WOR  
HOULD YOU HAVE ANY QUERIES PLEASE GIVE ME A CALL REGARDS ROBERT

SYSTEM SPECIFICATION

3

⊕ /E WILL BE MANUFACTURING A STAINLESS STEEL CANOPY M/O 2100 MM X 1000 MM X 280.600 MM OVERALL WHICH WILL BE A WEL  
ULLY SAFETY EDGED , 50 MM FULL PERIMETER CONDENSATE CHANNEL , A FULL LENGTH FILTER HOUSING INCORPORATING THE DIE P/  
AFFLE FILTERS MEASURING 495 MM X 495 MM X 48 MM WHICH CAN EASILY BE REMOVED FOR CLEANING AND MAINTENANCE PURPO  
LENUM TO THE RIGHT HAND SIDE SO WE CAN CONNECT ONTO THE DUCTWORK POSITIONED IN THE ROOF VOID ABOVE AND THIS WILL I  
AN , ACOUSTIC SILENCER CARBON FILTER AND THE OC1 OZONE ODOUR CONTROL UNIT . WE WILL RUN TO THE ROOF END AND THEN RI  
TR ABOVE THE EAVES WITH A HIGH VELOCITY JET COWL WHICH WILL EXPEL THE COOKING ODOURS 5/10 m IN THE AIR AT A HIGH VELC  
/ILL BE 410 MM O/A THROUGHOUT EXCEPT THE MANUFACTURED PIECE ABOVE THE CANOPY WHICH WILL CONNECT ONTO THE JASUN C  
VE HAVE ALSO INCLUDED FOR ANOTHER ACOUSTIC SILENCER IN THE VERTICAL RUN WHICH WILL GIVE US A NOISE LEVEL OF 32 DB @ 3  
HE GUIDELINES AND REGULATIONS , THE DESIGN AND SPECIFICATION IS ALL IN LINE WITH THE DW172 REGULATIONS  
HE EXTERNAL DUCTWORK CAN BE POWDER COATED TO ANY RAL COLOR REQUIRED BY THE LOCAL PLANNING DEPARTMENT AND ALL E  
CLUDE ANTI VIBRATION MOUNTINGS TO ENSURE THERE IS NO OSCILLATION INTO THE PROPERTY

D CARBON FILTER REF DCS240824

**xpress Catering Equipment & Fabrications Ltd**

**xpress Catering Equipment & Fabrications Limited**

93 Attercliffe Road, Sheffield, South Yorkshire, S9 3RE