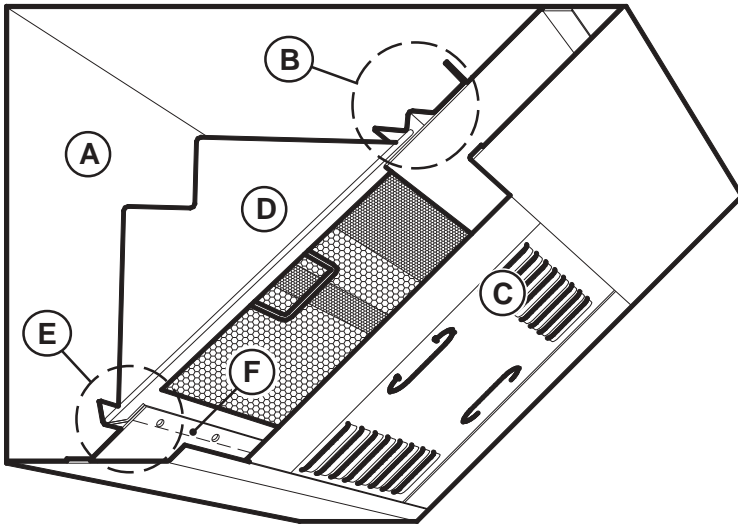




Grease Grabber

Filter System Installation Specification



Details

- (A)** Kitchen hood
- (B)** Upper channel
(For details see page 5)
- (C)** Primary filter (GGPR**)
- (D)** Secondary filter (GGSC**)
- (E)** Lower channel with grease holes
(For details see page 4)
- (F)** Grease Collection

** Nominal filter size
i.e GGPR1616 - 16x16"

Fig.1 Typical Installation, showing kitchen extract hood canopy housing the two filters.

IMPORTANT !

This instruction must be read in full before commencing installation work

Contents	Page	Lower Channel Detail	4
Parts Identification	1	Upper Channel Detail	5
Disclaimer	1	Primary End Spacer Detail	6
Information	2	Secondary End Spacer Detail	7

The Grease Grabber is a unique two-stage high efficiency filter system, comprising a chambered pre-filter and secondary extracting filter. Because of the higher efficiency of this filter system and the relatively high resistance to airflow, it is essential that the following specification be applied as closely as possible to ensure minimum air bypass. This is relevant to both new and retrofit installations; VES cannot be held responsible for any deviation from this.

For further technical details contact VES on **08702 404340**, quoting the sales order (SO) number and the unit type as found on the unit nameplate or visit **www.ves.co.uk** .

Immediately upon receipt of goods, check for possible damage in transit. In the event of any damage having occurred or if any item is found to be missing, it is essential to inform VES Andover Ltd. within **7 days** of delivery, quoting sales order (SO) number, and the unit type as found on the unit nameplate. After this period we will be unable to accept any claim for damaged or missing goods.

The entire system must be considered for safety purposes and it is the responsibility of the installer to ensure that all of the equipment is installed in compliance with the manufacturer's recommendations, with due regard to the current **HEALTH AND SAFETY AT WORK ACT** and conforms to all relevant statutory regulations.

Should the filter system be incorporated into an existing canopy, care should be taken to ensure that any fire suppression system is in no way compromised by the introduction of the new filters. If it is required to move or alter such a system, the relevant standards and personnel should be used.

Where a unit is installed so that a failure of components could result in injury to personnel, precautions should be taken to prevent such an injury.



Grease Grabber

Filter System Installation Specification

IMPORTANT !

It is important that the secondary filter be tried in the mounting channels prior to welding to ensure a proper fit and to allow trouble-free filter removal. Required adjustment can then be made to the fit prior to welding.

All channels should span the length of the inside of the extract hood canopy.

Drain holes in the bottom channel are required, to allow captured waste to drain properly.

Due to the high efficiency of this filter system and the resultant higher resistance to airflow, it is essential that a correct fit for the filters be applied so as to ensure minimum air and grease bypass. This is particularly relevant to the secondary filter arrangement in which the majority of the resistance occurs. *Fig.2* shows a typical bulkhead arrangement with the recommended channels for both filters, detailing the approximate dimensions to ensure a correct fit. **Check for fit.**

IMPORTANT !

The secondary filter should be allowed to move up and down on the bulkhead (necessary for removal) but not away from the bulkhead see *fig.3*. Failure to achieve this may result in air/grease bypass.

Details for these channels can be found on pages 4 and 5. When retrofitting these filters it may be required to remove and replace part of the canopy for correct installation.

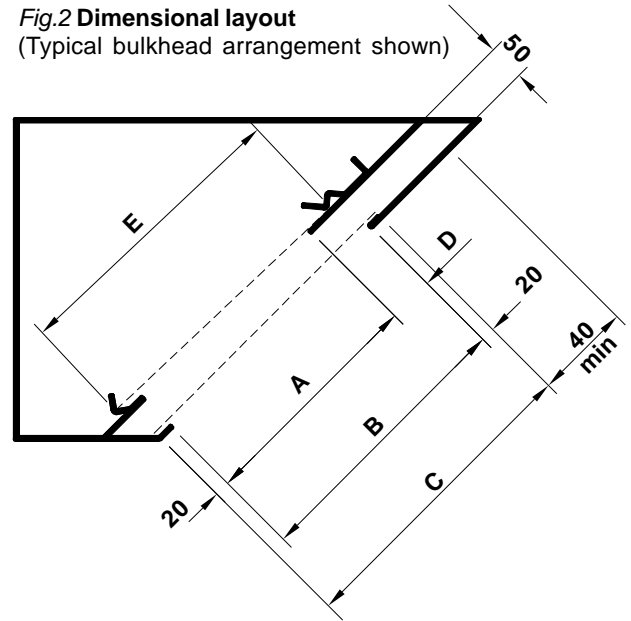
Having selected the appropriate size filters, end spacers may be required to make up the difference in the hood length, examples of which can be found on pages 6 and 7. As well as making up redundant hood length, it should be taken into consideration that stops or angles may be required to prevent the primary filter fouling at either end of the extract hood canopy due in part to the arrangement of the filter handles. It is recommended that the secondary filter bulkhead be adjusted in line with this to keep both filters in alignment; again attention should be given to maintaining a necessary close fit to avoid air bypass, particularly with the secondary filters.

Caution: Welding to the canopy panels may cause discolouration to the outside of the canopy hood

Grease collection

You will note that the bulkheads are constructed so as to allow grease and waste to drain into the appropriate 'positive pressure' part of the hood; this will allow for regularly spaced collection pots or taps to be arranged to allow for grease collection. Failure to allow for the waste to drain correctly **before** the secondary filter will result in grease bypassing the filter, once allowed to rest being drawn into the duct work on the next start-up. The detail *fig.4* opposite shows the required arrangement, including equally spaced drain holes in the secondary filter bulkhead.

Fig.2 Dimensional layout
 (Typical bulkhead arrangement shown)



Filter Size	A	B	C	D	E
16x16	318	358	397	40	375
20x16	318	358	397	40	375
20x20	425	458	497	33	482

Fig.3 Allowed filter movement

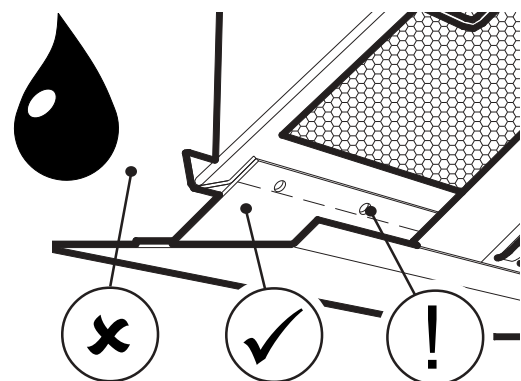
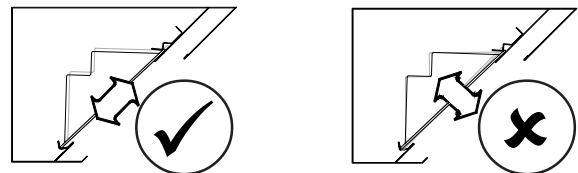
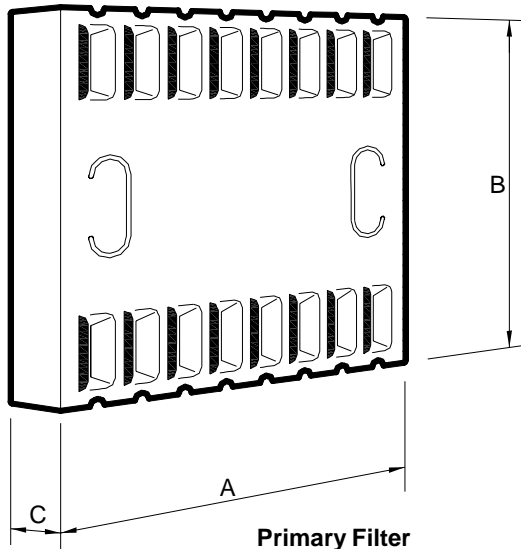


Fig.4



Grease Grabber

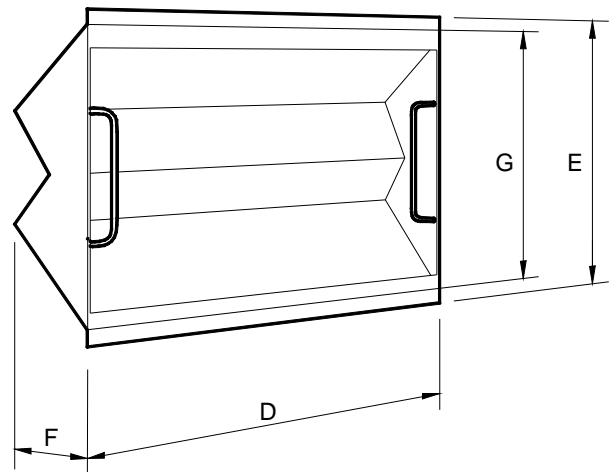
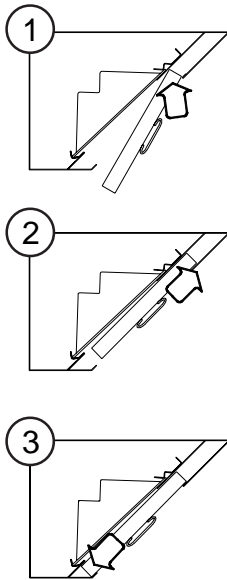
Filter System Installation Specification



Primary Filter

Filter Size	A	B	C
GGPR1616	397	397	45
GGPR2016	497	397	45
GGPR2020	497	497	45

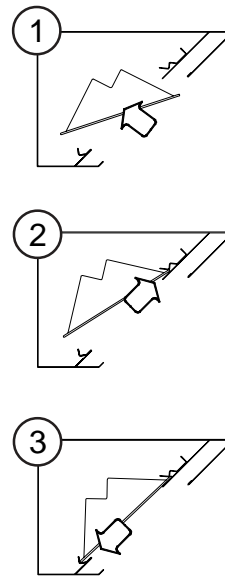
Primary Filter access



Secondary Filter

Filter Size	D	E	F	G
GGSC1616	397	375	130	340
GGSC2016	497	375	130	340
GGSC2020	497	482	140	432

Secondary Filter access

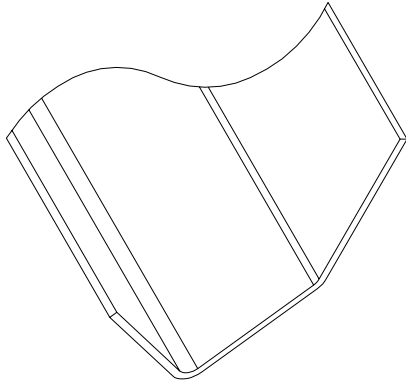
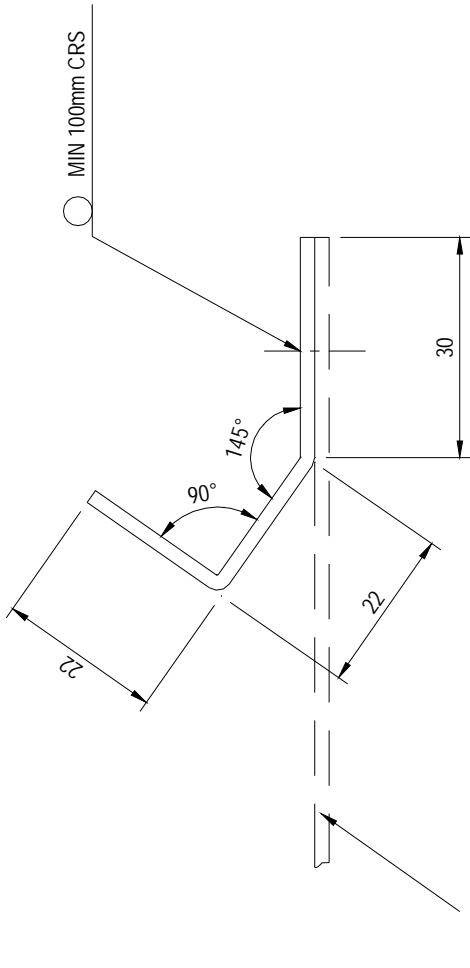


When enquiring after or ordering spares contact VES Spares Department, quoting the sales order (SO) number and unit type as found on the unit nameplate.

Telephone 08702 40 43 40
Fax 08702 40 45 50




We reserve the right to alter the specification without notice
 All dimensions in millimetres • General tolerance ±5mm

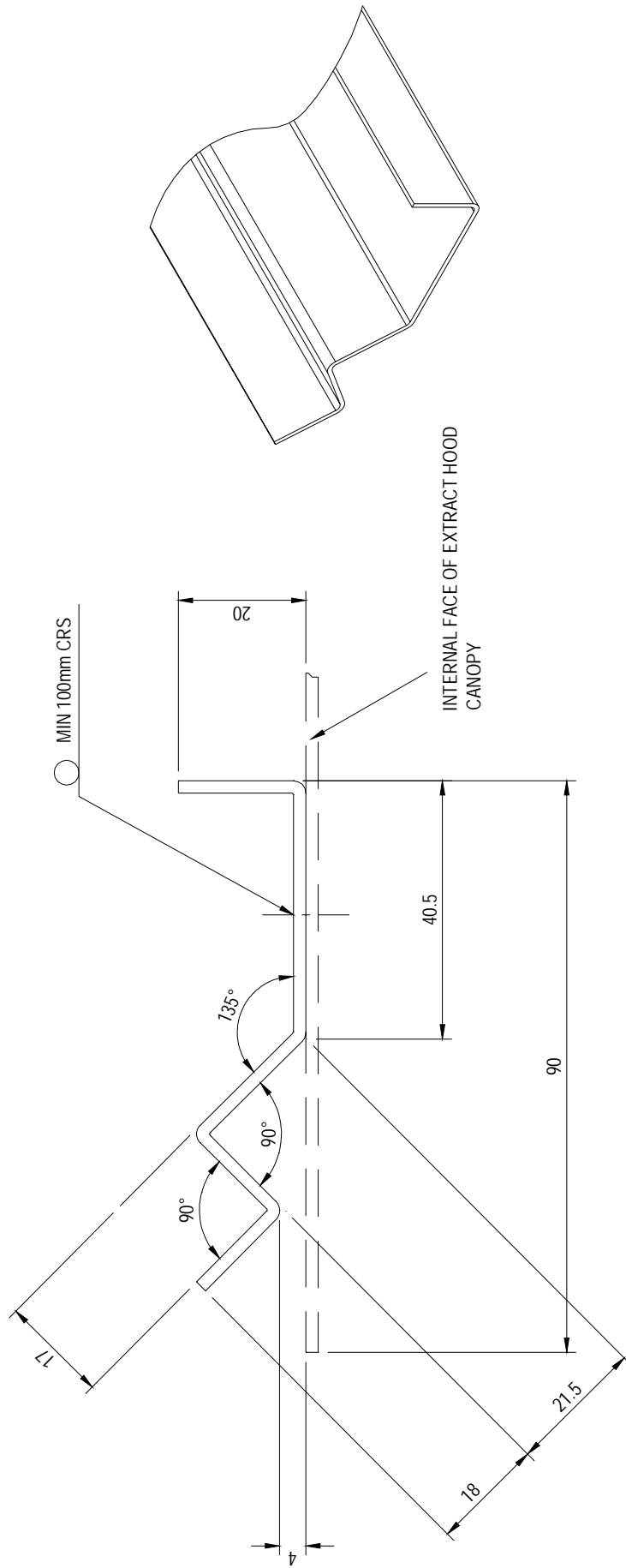


PROFILE OF LOWER CHANNEL

RECOMMENDED MATERIAL: 1.2mm STAINLESS STEEL TO BS EN 10088-2:2005
 HOLES: ALL HOLES Ø4.1mm UNLESS OTHERWISE STATED
 TOLERANCE: GENERAL ±0.5mm
 FINISH: POLISHED NATURAL
 DE-BURR ALL SHARP EDGES

NOTE: OVERALL LENGTH TO BE DETERMINED


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						DATE: 18.10.06	DATE: 18.10.06	72003299	ISSUE:

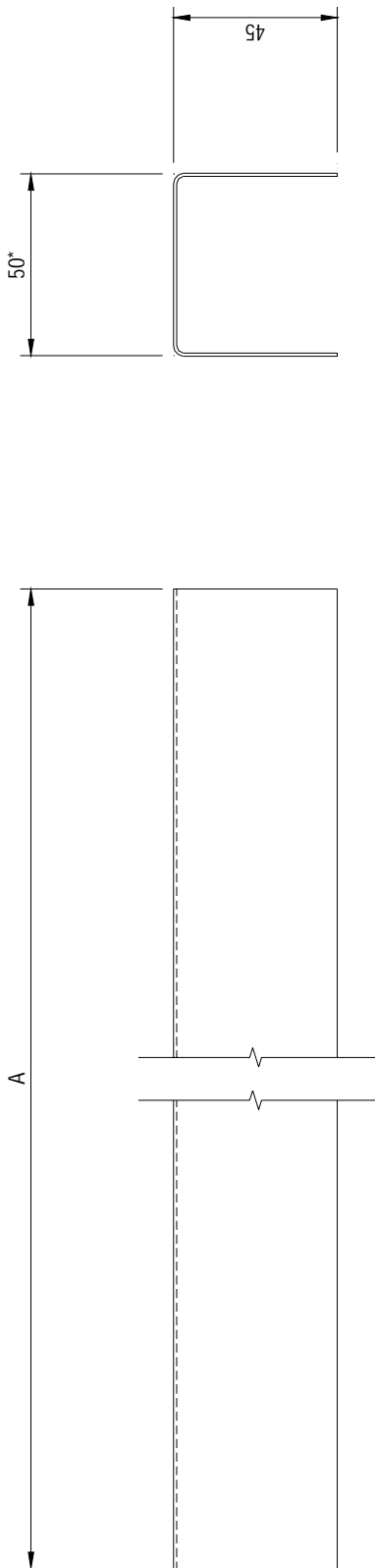


PROFILE OF UPPER CHANNEL

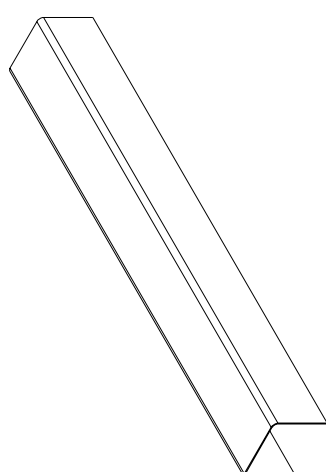
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 HOLES: ALL HOLES Ø4.1mm UNLESS OTHERWISE STATED
 TOLERANCE: GENERAL ±0.5mm
 FINISH: POLISHED NATURAL
 DE-BURR ALL SHARP EDGES

NOTE: OVERALL LENGTH TO BE DETERMINED

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					DATE: 18.10.06	DATE: 18.10.06	DATE: 18.10.06	DATE: 18.10.06
							72003298	





LOWER CHANNEL

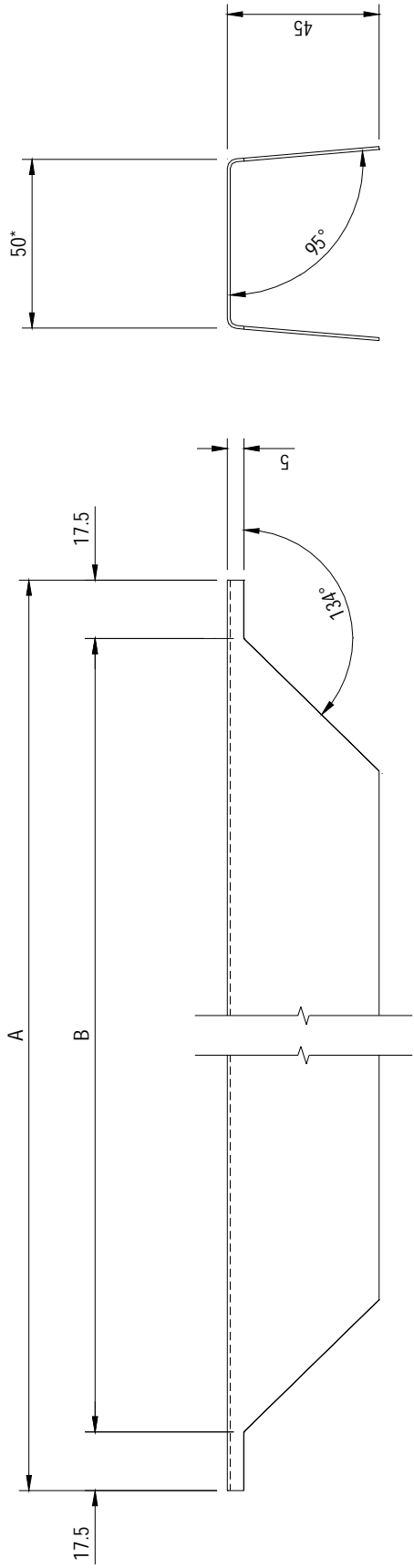


SIZE	A
SMALL	397
LARGE	497

RECOMMENDED MATERIAL: 0.9mm STAINLESS STEEL TO BS EN 10088-2:2005
 HOLES: ALL HOLES Ø4.1mm UNLESS OTHERWISE STATED
 TOLERANCE: GENERAL ±0.5mm
 FINISH: POLISHED NATURAL
 DE-BURR ALL SHARP EDGES

NOTE: OVERALL LENGTH TO BE DETERMINED.
 * MINIMUM WIDTH 50mm, DETERMINE LENGTH FROM CANOPY/FILTER SIZES

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		TITLE: PRIMARY END SPACER DETAIL							
			DRAWN: MC	CHECKED: MWR	SCALE: NTS	DRAWING No.:	ISSUE:		
	18.10.06	18.10.06	18.10.06	72003301					

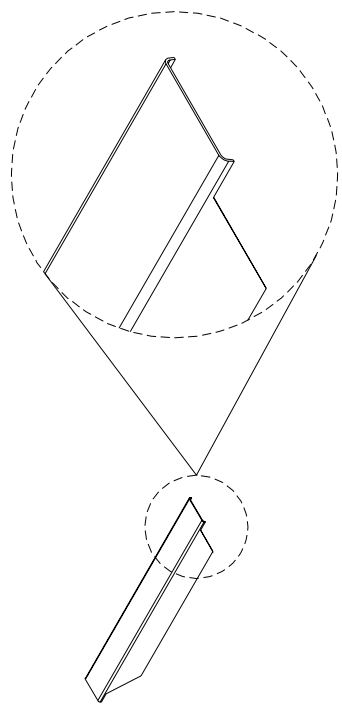


UPPER CHANNEL

SIZE	A	B
SMALL	375	340
LARGE	482	447

RECOMMENDED MATERIAL: 0.9mm STAINLESS STEEL TO BS EN 10088-2:2005
 HOLES: ALL HOLES Ø4.1mm UNLESS OTHERWISE STATED
 TOLERANCE: GENERAL ±0.5mm
 FINISH: POLISHED NATURAL
 DE-BURR ALL SHARP EDGES

NOTE: OVERALL LENGTH TO BE DETERMINED
 * MINIMUM WIDTH 50mm, DETERMINE LENGTH FROM CANOPY/FILTER SIZES



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