

Stainless Steel Modular Air knives

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Introduction

Almeco's Modular Air Knives (Ref: AKSM08) are fabricated from Stainless Steel 314, and are fitted with plastic moulded end plates and inlets. This means that they have all the characteristics suited for harsh and corrosive environments, in particular the food industry, but they are not fully welded.

Main Advantages

The main reasons for introducing this 'new' range of Air Knives is based on the following advantages:

1. Speed of manufacture:
Lead times for Almeco's fully welded Stainless Steel Air Knives takes typically between 3 and 4 weeks, while Modular Air Knives can be built in a matter of hours if necessary. This is achieved by keeping lengths of stainless steel plenum materials (up to 2 metres) in stock as well as having invested in suitable tooling to produce the end and centre inlets etc. Because no welding is required to produce the finished product, Modular Air Knives can be assembled and despatched almost the day the order is received.
2. Ease of cleaning:
All materials utilised within the Modular Air Knives are food grade quality, and as a result are very easy to keep clean. They have the additional benefit of being easily stripped down if necessary, which allows full access even to the plenum chamber of the Air Knife. (A full specification of the plastic moulding used can be sent on request).
3. Cost to manufacture:
Almeco's Stainless Steel Modular Air Knives represent great value for money having all the qualities and durability of fully welded Air Knives, but are approximately 60% lower in cost.

Options & Features

- Air Knife plenum material - Stainless Steel 304 S11 1-4307 BSI449. Fittings to the same specification.
- Stocked lengths available – 600mm, 1200mm and 2000mm maximum. However customised lengths up to 2000mm can also be quickly supplied.
- Inlets – both end and centre options available
- Mounting – stud or blank spigot options
- Fully adjustable slot width
- Plastic moulding – FDA approved



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Plastic Moulding Specification

Please note that there are no food types or restrictions of use on this material.

US

United States - Vydyn[®] R515 NT Natural is formulated and manufactured to meet the relevant requirements of the U.S. Food and Drug Administration (FDA) regulations. This resin is primarily Nylon 6,6 polymer, and meets the requirements of 21 CFR 177.1500 (b)(1). This resin contains additives, and each of these proprietary additives meets one or more of various requirements in 21 CFR – Specific citation as a food contact material, GRAS Status, Direct Food Additive status, or Threshold of Regulation (TOR) exemption.

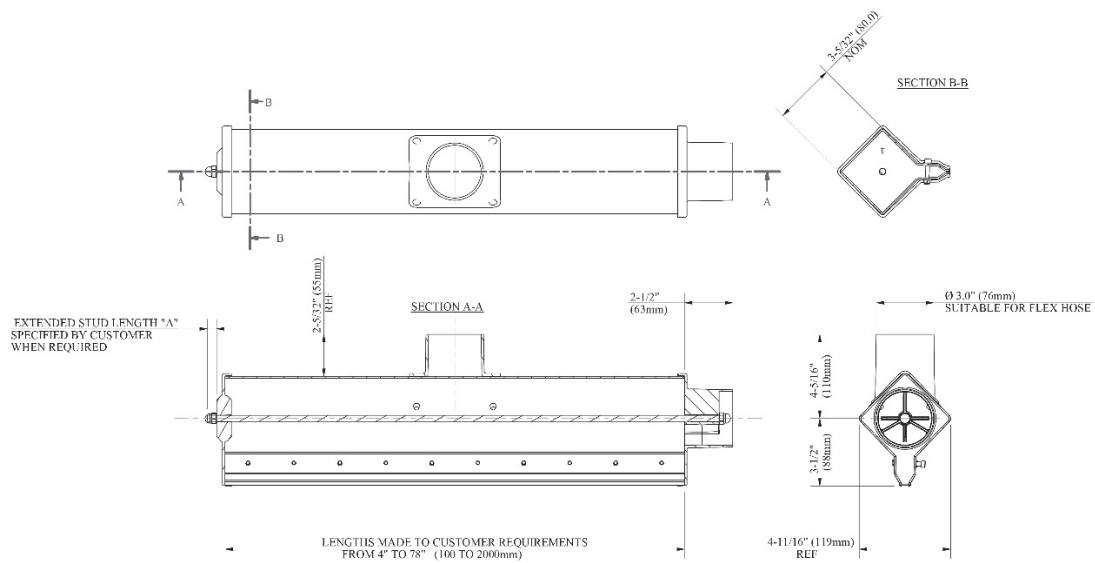
European Union

Vydyn[®] R515 NT Natural meets all relevant requirements of the following European Regulations and Directives: • Regulation (EC) 1935/2004 – The Framework Regulation • Regulation (EC) No 2023/2006 – The Good Manufacturing Practices Regulation • Regulation (EC) No 10/2011 – Plastic Materials and Articles Intended to Come Into Contact With Food Regulation

Vydyn[®] R515 NT Natural contains the following substances which are subject to a Specific Migration Limit under Regulation (EC) No 10/2011, Annex I (the Union List)

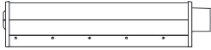
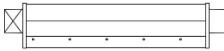
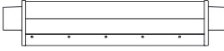
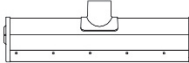
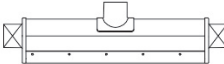
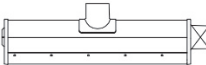



Outline Drawings

- Outline (Inches)

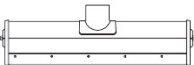
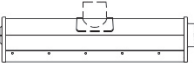
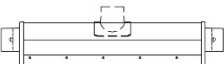
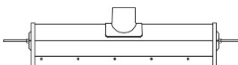
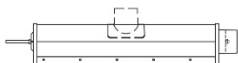


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- Inlet & End Plates (Inches)**

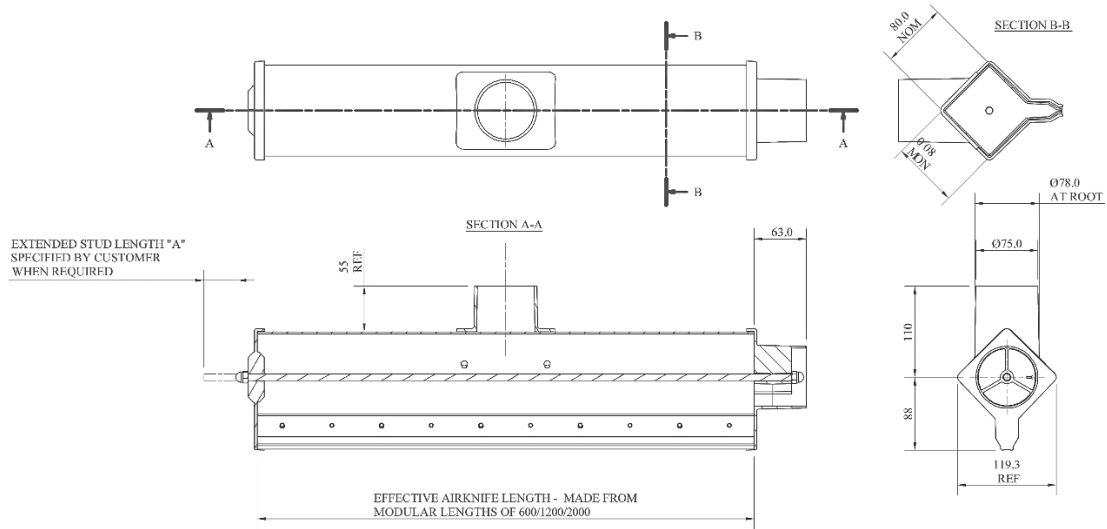
TYPE	SIZE	DESCRIPTION	DRAWING
01	UP TO 78 INCHES	1 END INLET - 1 BLANK END	
02	UP TO 78 INCHES	1 END INLET - 1 BLANK SPIGOT	
03	UP TO 78 INCHES	2 X END INLET	
04	UP TO 47 INCHES	1 CENTRE INLET 2 X BLANK ENDS	
05	UP TO 47 INCHES	1 CENTRE INLET 2 X BLANK SPIGOT	
06	UP TO 47 INCHES	1 CENTRE INLET 1 BLANK SPIGOT, 1 BLANK END	
07	47 TO 78 INCHES	2 X CENTRE INLET 2 X BLANK ENDS	
08	47 TO 78 INCHES	2 X CENTRE INLET 2 X BLANK SPIGOTS	
09	47 TO 78 INCHES	2 X CENTRE INLET 1 X BLANK END 1 X BLANK SPIGOT	

- Studding length / Configurations (Inches)**

TYPE	DESCRIPTION	DRAWING
01	M8 - NO EXTENDED STUDDING 1 OR 2 CENTRE INLET 2 X BLANK ENDS	
02	M8 - NO EXTENDED STUDDING 1 X END-INLET OR SPIGOT MOUNT 1 X BLANK END 1 OR 2 CENTRE INLET	
03	M8 - NO EXTENDED STUDDING 2 X END-INLET OR SPIGOT MOUNT 1 OR 2 CENTRE INLET	
04	M8 - WITH EXTENDED STUDDING BOTH ENDS 1 OR 2 CENTRE INLET 2 X BLANK ENDS	
05	M8 - WITH EXTENDED STUDDING 1 END ONLY 1 X END-INLET OR SPIGOT MOUNT 1 X BLANK END 1 OR 2 CENTRE INLET	

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- Outline (Metric)

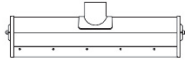
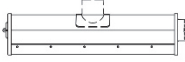
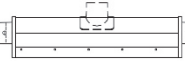
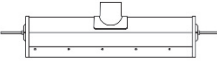
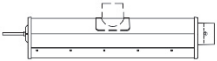


- Inlet & End Plates (Metric)

TYPE	SIZE	DESCRIPTION	DRAWING
01	UP TO 2000mm	1 END INLET - 1 BLANK END	
02	UP TO 2000mm	1 END INLET - 1 BLANK SPIGOT	
03	UP TO 2000mm	2 X END INLET	
04	UP TO 1200mm	1 CENTRE INLET 2 X BLANK ENDS	
05	UP TO 1200mm	1 CENTRE INLET 2 X BLANK SPIGOT	
06	UP TO 1200mm	1 CENTRE INLET 1 BLANK SPIGOT, 1 BLANK END	
07	1200 TO 2000mm	2 X CENTRE INLET 2 X BLANK ENDS	
08	1200 TO 2000mm	2 X CENTRE INLET 2 X BLANK SPIGOTS	
09	1200 TO 2000mm	2 X CENTRE INLET 1 X BLANK END 1 X BLANK SPIGOT	

Stainless Steel Modular Air knives

- Studding length / Configurations (Metric)

TYPE	DESCRIPTION	DRAWING
01	M8 - NO EXTENDED STUDDING 1 OR 2 CENTRE INLET 2 X BLANK ENDS	
02	M8 - NO EXTENDED STUDDING 1 X END-INLET OR SPIGOT MOUNT 1 X BLANK END 1 OR 2 CENTRE INLET	
03	M8 - NO EXTENDED STUDDING 2 X END-INLET OR SPIGOT MOUNT 1 OR 2 CENTRE INLET	
04	M8 - WITH EXTENDED STUDDING BOTH ENDS 1 OR 2 CENTRE INLET 2 X BLANK ENDS	
05	M8 - WITH EXTENDED STUDDING 1 END ONLY 1 X END-INLET OR SPIGOT MOUNT 1 X BLANK END 1 OR 2 CENTRE INLET	

Images

