



CONTEG DATA SHEET

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AIRFLOW MANAGEMENT PRODUCTS

TURNING VANE & CHIMNEY AIRFLOW DEFLECTOR AIR SEPARATION FRAME

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TURNING VANE

The Turning Vane is designed to enhance the natural draw effect of the chimney and is designed to allow passage of cabling and power as well as effectively direct the airflow. Constructed from 1 and 2mm powder coated sheet steel, the clever design of the turning vane ensures optimum airflow for the hot exhaust. The turning vane requires a minimum of 200mm off-set on the rear extrusions.



Turning vane

CHIMNEY

The Chimney is designed to form a duct for the hot exhaust between the rack and the hot plenum. The chimney is constructed from 1mm powder coated sheet steel and comes complete with gasket kits to ensure optimum sealing between the rack and the hot plenum. The chimney height is adjustable from 750 to 1360mm according to your site requirements.



Chimney

Code	Description
DP-HPR-60/120-B	Kit consists of top plate, chimney, turning vane; designed for RSF-xx-60/120; color light grey (RAL 7035)
DP-HPR-60/120-H	Kit consists of top plate, chimney, turning vane; designed for RSF-xx-60/120; color black (RAL 9005)
DP-HPR-80/120-B	Kit consists of top plate, chimney, turning vane; designed for RDF/RSF-xx-80/120; color light grey (RAL 7035)
DP-HPR-80/120-H	Kit consists of top plate, chimney, turning vane; designed for RDF/RSF-xx-80/120; color black (RAL 9005)

AIRFLOW DEFLECTOR

The deflector is located in the bottom part of the rack and is used to lead the cold air directly to the cold zone in front part of a rack. Deflector is produced in 600 or 800mm width and can be installed into all ROF family racks of all depths - from 600 to 1200mm. Deflector can be equipped with louvre which helps to control air-flow rates or shut air supply off if no equipment is fitted into the rack. Information on compatibility of the air flow deflector with the PREMIUM rack series upon request.

Code	Requires H in U	Applicable for ROF/RDF	
		D in mm	W in mm
DP-AFD-ROF-60/80/20	2	800, 1200	600
DP-AFD-ROF-60/100/20	2	1000	600
DP-AFD-ROF-80/80/20	2	800, 1200	800
DP-AFD-ROF-80/100/20	2	1000	800
DP-AFD-VF-60	Variable Flow Rate Louvre - 600		
DP-AFD-VF-80	Variable Flow Rate Louvre - 800		



Air flow deflector with louvre

AIR SEPARATION FRAME

The Air Separation Frame is used for minimizing by-pass airflow between the rack columns and extrusions. Using an Air Separation Frame in a Room Feed with Plenum Return deployment forms a "cool zone" inside the rack between the front door and the equipment mounted on the 19" profiles. Cool zone depth is recommended as 150mm.

Code	Depth of cold zone in mm	Applicable for ROF/RHF/RSF	
		H in U	W in mm
DP-ROF-CW-42/60/15 ³	150	42	600
DP-ROF-CW-42/80/15 ^{1,2,3}	150	42	800
DP-RHF-CW-42/60/15	150	42	600
DP-RHF-CW-42/80/15 ²	150	42	800
DP-RSF-CW-42/60/15 ³	150	42	600
DP-RSF-CW-42/80/15 ^{2,3}	150	42	800

¹ can be used for RDF racks

² necessary to use extrusions type C or P (with blank panels)

³ Height 42U can be replaced by 45 or 48U



Air separation frame

turning vane / chimney / airflow deflector / air separation frame