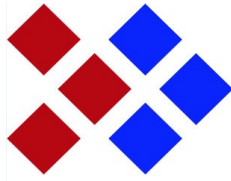


Tri-Carb Site Safe Carbon Cell

Applications	Structure and Operation
<p>For purification of supply air, exhaust air and circulating air streams from harmful gases, steams and bad smells in:</p> <ul style="list-style-type: none"> ▪ Canteen kitchens, museums ▪ Hospitals, laboratories, computer areas ▪ Chemical industry, paintshops, airports, petrol stations, parking garages 	<ul style="list-style-type: none"> ▪ Solid carbon ▪ Strong robust galvanized frame ▪ Humidity resistant up to 70% r. h. ▪ Temperature resistant up to max. 70°C

Versions	Contact time (Dwell Time)
<ul style="list-style-type: none"> ▪ V-Formation ▪ Standard Duty ▪ Heavy Duty ▪ Removes hydrogen sulphide, ammonia, DMS etc. 	<ul style="list-style-type: none"> ▪ 0.1 Second – 0.8 Second ▪ Please ask for recommendation on dwell time

Site Safe	24x8x24	Site Safe	3 x 24x8x24
Dimensions	597x196x597	Dimensions	597x597x597
Gross Weight	19.45KG	Gross Weight	58.35Kg
Carbon Weight	16.9KG	Carbon Weight	50KG
Rated Velocity	1266 M3/h	Rated Velocity	3800 M3/h
Pressure Drop	120Pa	Pressure Drop	120Pa



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Tri-Carb Dimensions

Reference	Cells Required	To fit Discarb (Nom Size)	Dimensions (MM)	Carbon Weight (Kg)	Unit Weight (Kg)	Capacity (M3/h)
DCS180912	2	18x18x12	445x220x297	6.5	7.85	495
DCS240612	2	24x12x12	594x146x297	6.5	7.85	990
DCS240812	3	24x24x12	594x196x297	8.4	9.7	633
DCS180918	2	18x18x18	445x220x451	9.5	10.85	722
DCS240618	2	24x12x18	594x146x451	9	10.35	685
DCS240818	3	24x24x18	594x220x451	12	13.35	915
DCS180924	2	18x18x24	445x220x597	12.5	13.85	950
DCS240624	2	24x12x24	594x146x597	12.5	13.85	950
DCS240824	3	24x24x24	594x196x597	16.9	19.45	1266

The above capacities are based on a 0.1 second dwell time. Please refer to the table below for the recommended minimum dwell times required for different applications and scale up accordingly. It should be noted that filtration performance will be improved by increasing the dwell times applied. The appropriate suffix should be added to the part number to specify the required grade e.g.

TRI240824-7C

Application	Recommended Dwell Time	Grade	Suffix
General Cooking	0.1 – 0.2	FY5	-7C
Spicy – Indian	0.2 – 0.4	FY5	-7C
Reduction of Kerosene	0.1 – 0.2	FY5	-7C
Reduction of Ozone	0.1 – 0.2	FY5	-7C
Diesel Fumes	0.2	5% Copper	-9M
Museum	0.2	5% Copper	-9M
Mortuary	0.4	Mortuary Grade	-MO
Ammonia	0.3	Ammonia Grade	-AM

Other Applications

We can formulate gas phase filters for most applications, simply contact us with your enquiry on 0114 3503535 or email info@ventdirect.co.uk