



Tri-Carb Safe Fit Carbon Cell

Applications	Structure and Operation
For purification of supply air, exhaust air and circulating air streams from harmful gases, steams and bad smells in: ▪ Canteen kitchens, museums, waste recycling centres ▪ Hospitals, laboratories, computer areas ▪ Chemical industry, paintshops, airports, petrol stations, parking garages	▪ Solid carbon ▪ Strong robust galvanized frame ▪ Humidity resistant up to 70% r. h. ▪ Temperature resistant up to max. 40°C

Versions	Contact time (Dwell Time)
▪ V-Formation ▪ Standard Duty ▪ Heavy Duty ▪ Removes hydrogen sulphide, ammonia, DMS etc.	▪ 0.1 Second – 0.4 Second ▪ Please ask for recommendations on dwell time

Tri-carb Safe Fit	24x8x24	Tri-carb Safe Fit	3 x 24x8x24
Dimensions	595x198x595	Dimensions	595x595x595
Gross Weight	22.00KG	Gross Weight	66.00Kg
Carbon Weight	17.00KG	Carbon Weight	51KG
Rated Velocity	1266 M3/h	Rated Velocity	3800 M3/h
Pressure Drop SD	185Pa	Pressure Drop SD	185Pa

Tri-Carb Dimensions

Reference	Cells Required	To fit Discarb (Nom Size)	Dimensions (MM)	Carbon Weight (Kg)	Unit Weight (Kg)	Capacity HD (M3/h)
TSF180912	2	18x18x12	451x220x295	6.5	9.85	473
TSF240612	2	24x12x12	595x146x295	6.5	8.80	469
TSF240812	3	24x24x12	595x198x295	8.68	11.00	625
TSF180918	2	18x18x18	451x220x451	10.08	13.85	725
TSF240618	2	24x12x18	595x146x451	9.98	13.22	719
TSF240818	3	24x24x18	595x198x451	13.31	16.55	958
TSF180924	2	18x18x24	451x220x595	13.31	16.55	958
TSF240624	2	24x12x24	595x146x595	13.18	16.68	950
TSF240824	3	24x24x24	595x198x595	17.58	22.00	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.

TRI240824CU50

Application	Recommended Dwell Time	Grade	Suffix
General Cooking	0.1 – 0.2	COL-A50	OLA-50
Spicy – Indian	0.2 – 0.4	COL-A50	OLA-50
Reduction of Kerosene	0.1 – 0.2	COL-A50	OLA-50
Reduction of Ozone	0.1 – 0.2	COC-A50	OCA-50
Diesel Fumes	0.2	SORB17	SORB17
Museum	0.2	Museum Grade	CU-50
Mortuary	0.4	Mortuary Grade	FORM
Ammonia	0.3	Ammonia Grade	AMM

Other Applications

We can formulate gas phase filters for most applications, simply contact us with your enquiry.