

## Multi Aspirator Type TCAA



### APPLICATION

The TCAA Multi-Aspirator is designed for removing light material from good product. It is effective at removing dust, shriveled grain, straw and other high air resistance impurities from a wide range of granular products including pulse and cereal grains, grass and brassica seed and pellet and flake plastic.

Satake have extensive experience of using the multi-aspirator in the field and can offer advice on its use.

The capacity of the multi-aspirator is dependent on the nature of the raw material and the contaminants to be removed. The largest machine has been tested at up to 28 TPH of wheat.

### OPERATING PRINCIPLE

The separating action within the multi-aspirator is achieved by drawing a stream of air up through the product which enters the aspirator through an inlet at the top of the machine. It then cascades down over a series of baffle plates that spread the product evenly across the width of the aspirator.

The top of the aspirator is fitted with a full width air duct that draws air through inlets behind each baffle plate. The air passes through the product, taking with it material with high air resistance. By controlling the speed of this air a precise separation of good and bad product can be made.

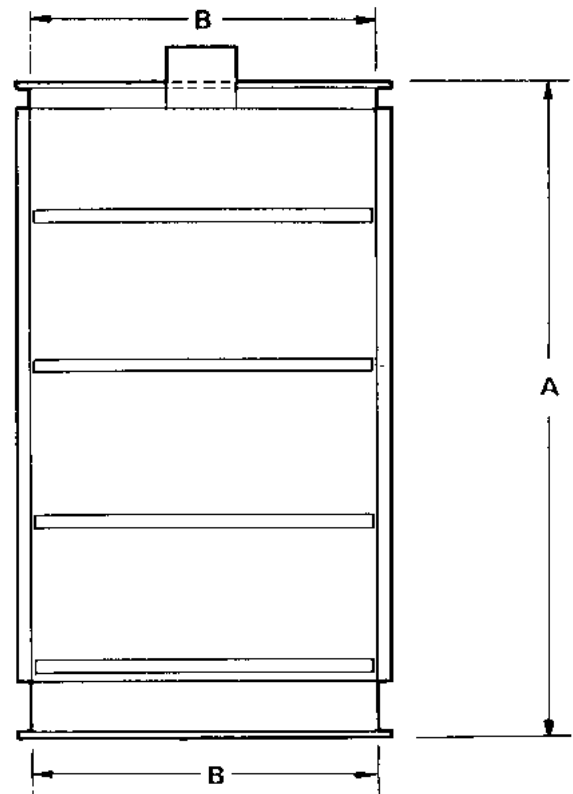
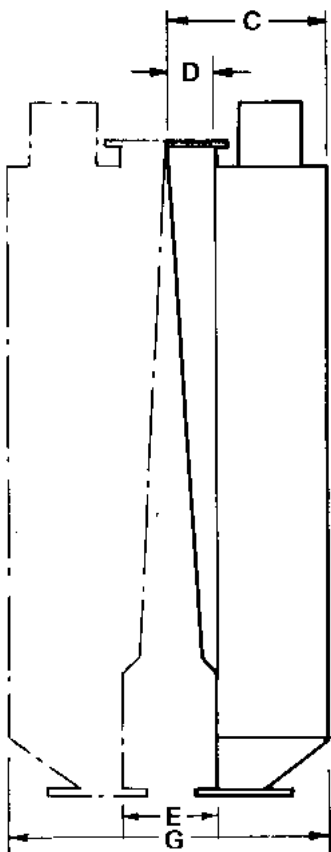
### CONSTRUCTION

The TCAA multi-aspirator can be manufactured to a number of standards, from a basic machine in all mild steel, to a polished stainless steel version, and is available with 4 or 6 aspiration stages. For higher capacities, two aspirators can be positioned back to back. The inlet to the aspirator can be fed with a single or double stock inlet, depending on the size of the machine.

No moving parts are used in the aspirator, therefore reducing maintenance to a minimum. The unit has an inspection panel at each side which gives good visibility of the operation and allows for easy setting of the machine.

The multi-aspirator is compact, hygienic, has no moving parts, requires very little maintenance and will self clean when changing from one product to the next.





OVERALL DIMENSIONS AND WEIGHTS

MODEL NUMBER	DIMENSIONS MM.						WT. Kg.	MODEL NUMBER	DIMENSIONS MM.						WT. Kg.			
	A	B	C	D	E	G			A	B	C	D	E	G				
4 F 6	1092	152	266	76	152	533	*	*	45	6 F 6	152	292	102	203	581	*	*	64
4 F 12		305					6 F 12	305	82									
4 F 18		457					6 F 18	457	100									
4 F 24		610					6 F 24	610	118									
4 F 30		762					6 F 30	762	125									
4 F 36		914					6 F 36	914	154									
4 F 42		1067					6 F 42	1067	173									
4 F 48		1219					6 F 48	1219	191									
4 F 54		1371					6 F 54	1371	209									
4 F 60		1524					6 F 60	1524	227									
4 F 66		1676					6 F 66	1676	245									
4 F 72		1829					6 F 72	1829	267									
4 F 78		1981					6 F 78	1981	281									
4 F 84		2134					6 F 84	2134	300									

\* These dimensions are for Type - FF only.