



STURTEVANT Chieftain

The Chieftain vacuum cleaner is built to withstand the toughest working environment and features a turbine type air exhauster which consumes least power when operating at maximum suction.

This powerful machine can be used with hose diameters up to 100mm and 100 metre hose lengths are quite feasible. Consequently it provides a very effective mobile materials handling system.

Typical applications include the collection of dust and powder spillage from process plant including dense materials such as catalyst and foundry sand which can be handled at rates of up to 5 tonnes/hour.

The Chieftain can be used simultaneously by up to six operators although pipework and hoses must be sized accordingly. It can also act as the vacuum and filter unit on a fixed centralised vacuum cleaning system.

Other options include a standard portable interceptor for wet and dry applications or standard disposable bag for dust free removal of toxic materials.

This extremely versatile machine comes in 56 or 112 litre capacities with a 7.5kw or a 15kw electric motors. Alternative drive options include flameproof electric, petrol or propane.



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Fig. b

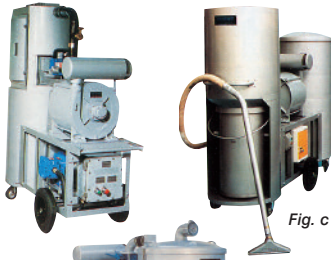


Fig. c

Fig. d



Specifications

The Chieftain with basic filter separator collects material into a 112 litre capacity dustbin. This is the largest practical capacity for easy disposal of heavy materials.

For heavy bulky materials a primary separator with hopper discharge can be specified. Material can be bagged off for dust-free emptying or discharged continuously via a rotary valve.

Various filter options are available including 'TM' models which are ideal for lightweight bulky materials such as paper dust, and where the material can be collected directly into a large capacity bag.

The Chieftain can be used with hoses of 40mm, 50mm, 75mm and 100mm bore and there is a range of nearly 100 special tools and fitments available.

Fig. a Chieftain with optional mobile interceptor

Fig. b Chieftain with basic filter-separator

Fig. c Chieftain with integral primary separator

Fig. d Chieftain with large capacity bag



STURTEVANT

Chieftain

Machine Type	6 x 7 7.5Kw (10hp) Models						8 x 6 15Kw (20hp) Models				
	670 TM	670 C	670 H	671 C	671 H	676	860 TM	860 H	861 H	861 H	866
Motor Kw/Hp	7.5/10						15/20				
Exhauster: Type/Stage	6 x 7						8 x 6				
Speed rpm	6500						6000				
Max Closed Suction											
ins Wg	118						120				
mm Wg	3000						3050				
Maximum Volume											
c.f.m.	360						650				
Litres per second	170						307				
Primary Separator capacity litre	-	-	-	-	-	180	-	-	-	-	180
Hose Inlets (mm)	1 x 75	1 x 75 and 2 x 50					1 x 75 and 2 x 50				
Bin Capacity/litres	-	56	56	112	112	112	-	112	112	112	112
Filter area/sq.m	-	2.2	-	3.7	3.7	3.7	-	2.8	3.7	3.7	3.7
Net Weight kg	310	375	397	395	405	650	415	450	480	490	735
Length mm	1730	1650	1650	1630	1630	2200	1730	1780	1750	1750	2200
Width mm	810	760	760	800	800	800	810	840	800	800	800
Height mm	1650	1700	1700	2000	2000	2000	1650	1750	2000	2000	2000

Filter: 671, 671H, 676 861, 861H, 866	Multi-bag textile with timed delay automatically operated mechanical shaker and supplementary back-flush device.
670	Four sleeve fabric with back flush device.
670C	Four sets of 4 ceramic tubes with back flush device.
670TM, 860TM	Textile filter bag, 235 litre capacity.
860	Six sleeve fabric with back flush device.
Inlets: (normal)	100mm (4") available with 8 x 6 models.
Drive:	Vee-belts fully guarded.
Starter:	Push button automatic star-delta.
Type 'H' models:	Fitted with Hepa filter 99.997% efficient down to 0.6 microns BS3928 in negative pressure mode. Balance pipe fitted on collection bin to facilitate use of plastic bin liner (client to supply). Units are designed to conform to Type 'H' amendment to BS5415 section 2:2 supplement No. 1 (1986).

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