

# Dust Extractors

## DUST EXTRACTORS

Hafi have designed MODEL HE – 200 D, HE – 400 D Dust Extractor, a reliable, efficient and cost effective solution to any dry dust control problems in Industry.

The MODEL HE – 200 D, HE – 400 D Dust Extractor has got wide applications in the following machines and industries: tool cutters/surface grinders, buffing machines, abrasive cut off machines, diamond polishing machines, Carbon dry powder collection, wood working Industry, etc., It provides clean working conditions, increases operator efficiency and prolongs equipment life.

Hafi have developed two more Dust Extractors Models HE – 500 D & HE – 750 D with high Air Displacement 1250 cubic mtr./hr.& 1650 cubic mtr./hr. Where you can use the hose dia of 75 mm. The unit is compact, inexpensive and its high cleaning efficiency compares to units selling at higher price. It is easy to operate and needs practically no maintenance.



## PRINCIPLE OF OPERATION

The dust generated is picked by a slitted hood in an air system generated by powerful suction blower. Dust separation takes place in two stages. In the primary stage, heavier particles are deposited into the collection container due to reduction in velocity and change of direction of air. Secondary separation occurs when the lighter dust is deposited onto the fabric by initial impact and diffusion. Hence, it accumulates to form a mat or bed which in turn acts as filter medium with a fabric as a base. TO maintain continuity of extraction, dust is periodically removed from the fabric by the shaker mechanism and deposited into the collection container.

**APPLICATIONS :** Collection of the Metallic Dust At Source from the Tool Cutters/Surface Grinders , Buffing Machines, Belt Grinders, Powder Packaging Machines etc. This machine Provides Clean Working Conditions and increases efficiency of the Operator and Equipment.

## TECHNICAL SPECIFICATIONS :

TECHNICAL DATA	HE-750 D	HE-500 D	HE-400 D	HE-200 D
MOTOR	5 HP	3 HP	2 HP	0.5 HP
SUCTION POWER	750 MM WG	500 MM WG	400 MM WG	200 MM WG
AIR FLOW	1600 CUBIC MTR/HR	1250 CUBIC MTR/HR	700 CUBIC MTR/HR	350 CUBIC MTR/HR
HOSE DIAMETER	75 MM	75 MM	60 MM	60 MM
CONTAINER CAPACITY	15 LITRES	15 LITRES	15 LITRES	10 LITRES
DIMENSIONS(L-W-H)	900 X 620X1000 MM	900 X 620X1000 MM	900 X 620X1000 MM	- X 550 X 830 MM
WEIGHT	120 KG	95 KG	90 KG	40 KG