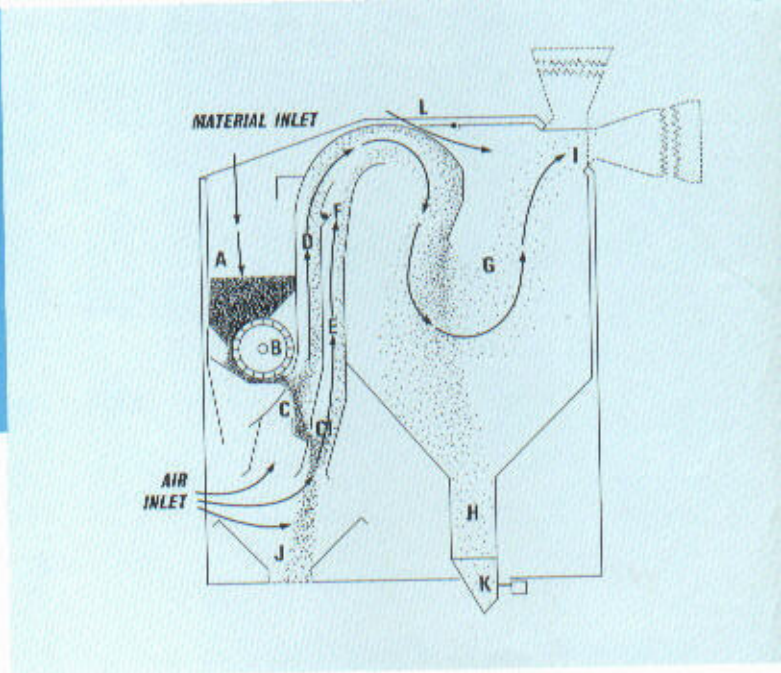


CARTER-DAY DUO-ASPIRATORS

For Refined Aspiration

OPEN CIRCUIT

Models 24"-36"



REDESIGNED AIR SYSTEM

The new 24" and 36" Carter Duo-Aspirator Open Circuit models have several improved features over previous units; all designed to provide increased efficiency and simpler operation with less maintenance. A major change is the double air duct (or double air leg) permitting two-stage aspiration for greater efficiency. Air concentration in first duct can be adjusted to increase or decrease air flow; allowing second duct for finish aspiration. Conveyors have been eliminated. Gravity discharge, with weighted gates for seals, replace conveyors. A new drive assembly with motorized reducers has eliminated all transmissions and idlers. Feed roll is only revolving shaft in machine. Adjustable (within 90 degrees) exhaust outlet can be connected to plant's present dust control or separate fan.

*Capacities are based upon the handling of wheat weighing 60 pounds per bushel or 48 pounds per cubic foot. Other free-flowing granular materials are commonly handled at approximately the same capacities by volume.

MATERIAL AND AIR FLOW

In the 24" and 36" Open Circuit models material to be aspirated enters the machine through hopper (A) where feed roll (B) distributes the material evenly into the air stream at points (C) and (C1) (Double air duct system). Heavy aspirated material is discharged through outlet (J). Lighter materials are carried up the double air legs (D & E) where air flow concentration is adjusted (from outside) at (F); to increase or decrease air volume in the aspirating chamber (G). Heavier materials drop into hopper (H) and discharge by gravity through weighted gate seal (K). Dust and lighter materials are carried in air stream and discharged through exhaust outlet (I) to plant's dust control on separate fan. The machine's total volume of aspirating air passing through material is controlled by adjustable by-pass (L).

SPECIFICATIONS

SIZE	CAPACITY* ON WHEAT BUSHELS PER HOUR	OVERALL DIMENSIONS			H.P. MOTOR REQUIRED	FAN SIZE	DIAMETER OF STANDARD DESIGN CYCLONE DUST COLLECTOR REQUIRED**	WEIGHT	
		WIDTH	LENGTH	HEIGHT				NET	GROSS
24"	50-200	38 3/4"	54"	68"	1/3	No. 25	No. 50	515	635
36"	200-300	50 3/4"	54"	68"	1/3	No. 30	No. 60	630	750

** These are standard applications for small grains.