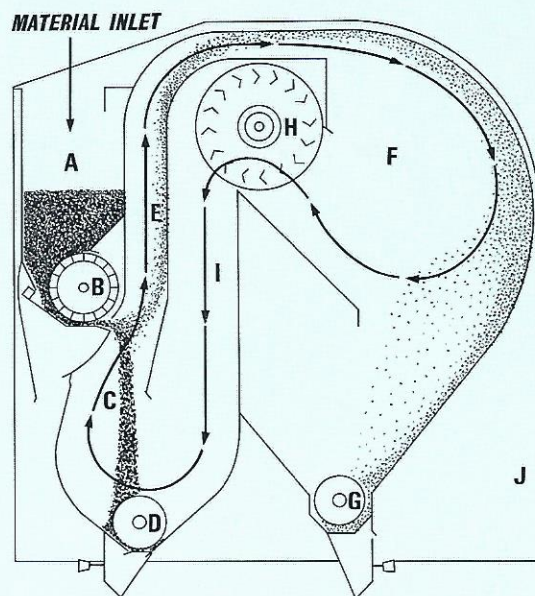
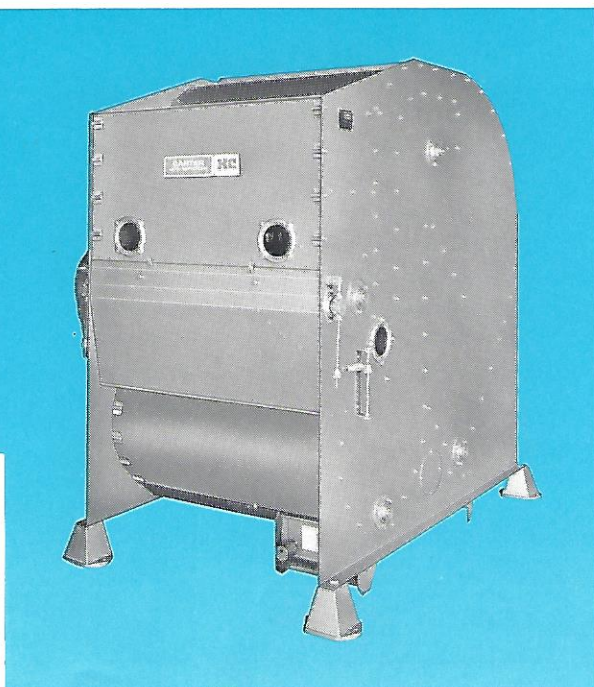
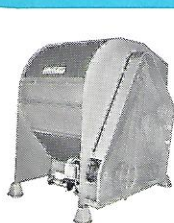


CARTER-DAY DUO-ASPIRATORS

For Critical Aspiration

CLOSED CIRCUIT

Models 24"-36"



REDESIGNED, GREATER EFFICIENCY

The new 24" and 36" Closed Circuit Carter Duo-Aspirators have improved their efficiency for critical aspiration by the adaption of a transverse flow-through fan in its air system. Another major improvement has been a larger feed roll providing greater contact area, eliminating possibilities for material bridging above the feed roll. In these closed circuit models the air is continually moving in one direction continually recirculating under enclosed, controlled conditions. The impeller runs across the width of the machine for more uniform air flow; recirculated air moves through the fan. Aspiration adjustment is controlled by fan impeller speed. Clean material discharge is at front; aspiration discharge is near the rear. Gates of both discharge points are equipped with adjustable weights; preventing air leakage into the machine.

*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

Material to be aspirated is fed into the machine from hopper (A), under feed roll (B) where it is evenly distributed through the air stream at (C). Heavier cleaned material is discharged by conveyor (D). Lighter drawn out material is carried up air duct (E) into the collector chamber (F) where they settle to the conveyor (G) and discharged from the machine. The air stream continues in its recirculatory course by returning back and up through the transverse fan (H) and back down through (I) to the point of aspiration (C). Simpler aspiration controls. Fan speed adjustment (J) controls air volume; faster fan operates, the more air volume and vice versa.

SPECIFICATIONS

SIZE	CAPACITY * ON WHEAT. BUSHELS PER HOUR.	OVERALL DIMENSIONS			H.P. MOTOR REQUIRED	R.P.M. DRIVE SHAFT	WEIGHTS	
		WIDTH	LENGTH	HEIGHT			NET	GROSS
24"	50-200	35 1/4"	62"	63"	I	675	735	910
36"	200-300	47 1/4"	62"	63"	I	675	830	1030