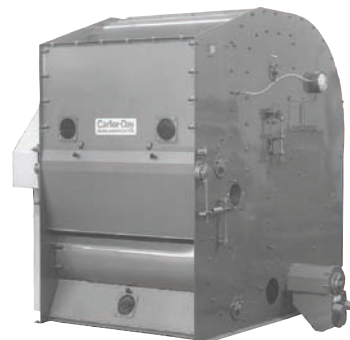
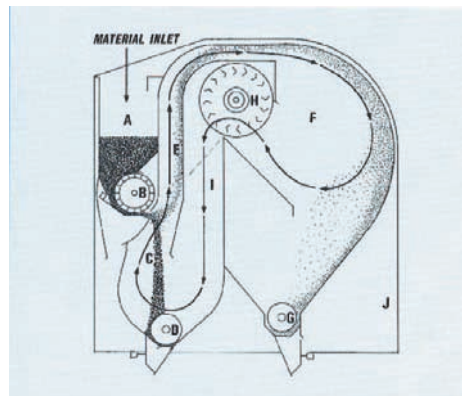


DUO ASPIRATOR CAPACITIES AND DIMENSIONS

24 AND 36 RETRO DUO ASPIRATORS



Carter Day also offers the Retro DuoAspirator which is our retro style sizer for replacement applications of existing machines. This is also an option for applications where our newest drive systems and aspiration chamber are not required. We offer this machine in our 24" and 36" models. The Retro - Fit Duo-Aspirator contains its own internal fan.



DUO ASPIRATOR CAPACITIES

APPLICATION	28 (2800 cfm 6")	56 (5600 cfm 6")	84 (8400 cfm 6")	112 (11200 cfm 6")	24 (Closed Circuit)	36 (Closed Circuit)
Wheat Aspirate: Rough	900 Bu/Hr-24 mt/Hr	1800 - 48	2700 - 72	3600 - 96	300	396
Wheat Aspirate: Chaff/Seed	500 Bu/Hr - 13 mt/hr	1000 - 26	1500 - 39	2000 - 52	200	300
Wheat Aspirate: Brokens	300 Bu/Hr - 8 mt/hr	600 - 16	900 - 24	1200 - 32	200	300
Barley Aspirate: Rough	900 Bu/Hr - 19 mt/hr	1800 - 38	2700 - 57	3600 - 76	300	396
Barley Aspirate: Chaff/Seed	500 Bu/Hr - 10 mt/hr	1000 - 20	1500 - 30	2000 - 40	160	240
Barley Aspirate: Brokens	300 Bu/Hr - 6 mt/hr	600 - 12	900 - 18	1200 - 24	160	240
Corn Aspirate: Rough	900 Bu/Hr - 22 mt/hr	1800 - 44	2700 - 66	3600 - 66	280	360
Corn Aspirate: Chaff/Seed	350 Bu/Hr - 8 mt/hr	700 - 16	1050 - 24	1400 - 32	150	225
Corn Aspirate: Brokens	300 Bu/Hr - 7 mt/hr	600 - 14	900 - 21	1200 - 28	150	225
Paddy Aspirate Hulls	500 Bu/Hr - 10 mt/hr	1000 - 20	1500 - 30	2000 - 40	120	240
White Rice Aspirate Fines	500 Bu/Hr - 13 mt/hr	1000 - 26	1500 - 39	2000 - 52	200	300

DUO ASPIRATOR MACHINE SPECIFICATIONS

MODEL	HEIGHT - Inches / mm	LENGTH - Inches / mm	WIDTH - Inches / mm	WEIGHT - lbs / kg	MOTOR H.P. (F & C)
Modular 28 Open Circuit	84 - 2134	90 - 2286	60 - 1524	1100 - 501	.5 - .5
Modular 56 Open Circuit	84 - 2134	90 - 2286	88 - 2235	1780 - 810	3/4 - .5
Modular 84 Open Circuit	84 - 2134	90 - 2286	116 - 2946	2460 - 1120	1 - .5
Modular 112 Open Circuit	84 - 2134	90 - 2286	144 - 3654	3200 - 1456	1 - .5
Modular 28 Closed Circuit	99 - 2515	90 - 2286	60 - 1524	1250 - 569	1.5 - .5
Modular 56 Closed Circuit	102 - 2591	90 - 2286	88 - 2235	1985 - 903	
Modular 84 Closed Circuit	106 - 2692	90 - 2286	116 - 2946	2770 - 1238	
Modular 112 Closed Circuit	106 - 2692	90 - 2286	144 - 3650	3500 - 1593	
Retro 24	67	62	39.5	860	1
Retro 36	67	62	51.5	955 lbs	1

NOTE:

1. Hourly input ratings are directly influenced by the screen sizes, the amount of foreign materials, the physical characteristics of the product, and the moisture content.
2. Capacities shown are in bushels and metric tons (one metric ton weighs 1,000 kilos or 2,205 pounds).
3. Capacities shown are based on U.S. harvesting practices.
4. Dry grains are considered to have a moisture content of less than 14%.
5. The following volumetric weights (pounds/bushel) apply:

Barley	48	Safflower	56	Oats	32
Soybeans	60	Corn (Maize)	56	Wheat	60
Canola	60	Paddy Rice	45	Sunflower Seed	32
Sorghum	56	Mustard	60	Edible Beans	60

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AG60-11/2010



CARTER DAY
Sizing & Separating Equipment

DUO ASPIRATOR

OPEN CIRCUIT and CLOSED CIRCUIT
28,56,84,112

RETRO SERIES
24,36



WORLDWIDE REPRESENTATION

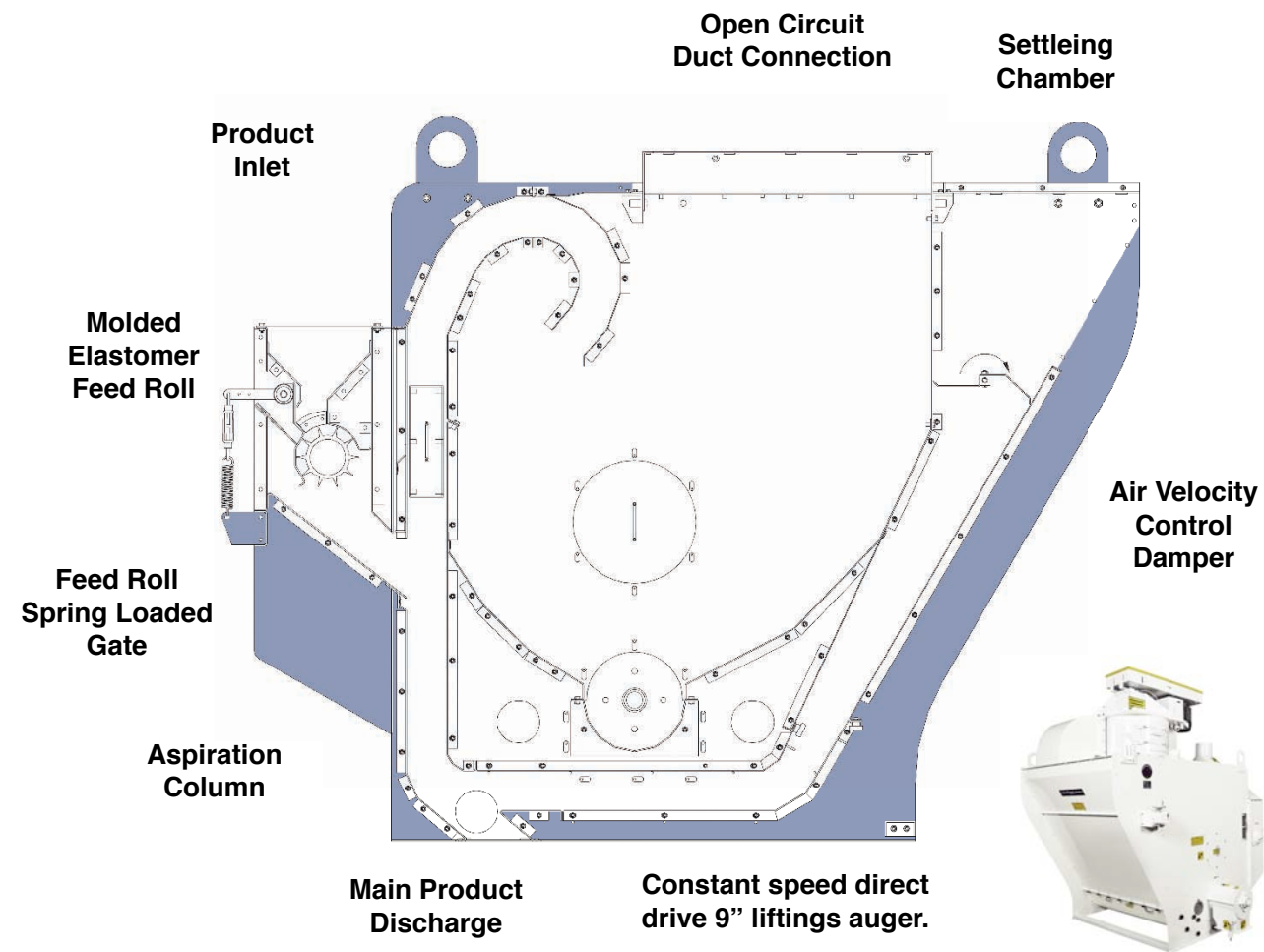
CARTER DAY

DUO ASPIRATOR

Carter Day has been manufacturing quality processing equipment for over 100 years. We continue this tradition of quality equipment with the Modular Duo Aspirator. We offer 4 sizes of the Duo Aspirator 28,56,84 and 112 to meet your application and capacity needs.

The Carter Day Duo Aspirator has the efficiency and capacity for virtually any aspiration application involving cereal grains and other free flowing granular materials. The Duo Aspirator is our most effective closed circuit aspirator.

As the product enters the aspiration column, it is contacted by an air wash which removes light fines, straw, hulls, blanks etc. The concentrated product free-falls through the aspiration column which by its design expands the product stream allowing for more efficient cleaning. The aspirated materials are pulled through the aspiration column into the liftings chamber where the heavier particles settle out. On our open circuit models the aspirated air consisting of light dust or light particles are lifted away to a bag house. When using our closed circuit option the aspirated air consisting of light dust or very light particles are lifted and recirculated, so a dust pick up is required.



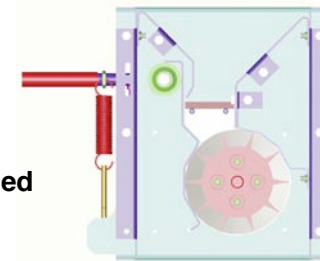
CARTER DAY

DUO ASPIRATOR

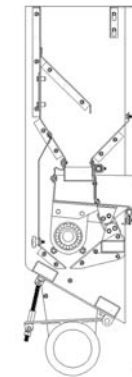
The product flow can be VFD controlled through a variable speed direct-drive urethane-coated feed roll or variable speed vibratory feeder. Our industrial strength soft tip urethane-coated feed roll provides a great application for seed and products requiring gentle handling. We also offer our Vibratory Feeder for customers requiring super gentle feeding in to the aspiration column.



Spring Loaded Feeder



Vibratory Feeder Package



The aspiration column design provides an efficient method of separating fines from free flowing granular material. The material is dropped in a free-fall vertical flow path into an opposing upward air stream to suspend the fines in the air stream for removal to the collection system. Below is a drawing showing a closed circuit system.

