

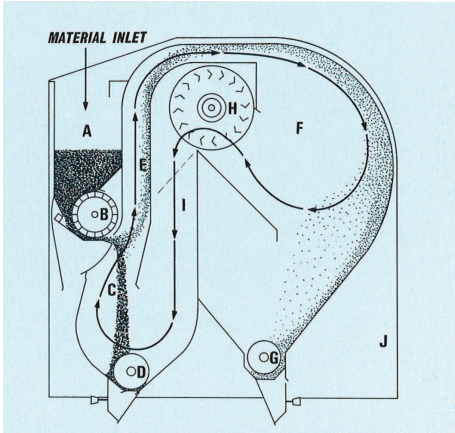
DUO ASPIRATOR
CAPACITIES AND DIMENSIONS

24 AND 36 RETRO DUO ASPIRATORS



Carter Day also offers the Retro Duo Aspirator 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 (2,800 cfm 6")	56 (5,600 cfm 6")	84 (8,400 cfm 6")	112 (11,200 cfm 6")	24 (Closed Circuit)	36 (Closed Circuit)
Wheat Aspirate: Rough	900 bu/hr - 24 mt/hr	1,800 - 48	2,700 - 72	3,600 - 96	300	396
Wheat Aspirate: Chaff/Seed	500 bu/hr - 13 mt/hr	1,000 - 26	1,500 - 39	2,000 - 52	200	300
Wheat Aspirate: Broken	300 bu/hr - 8 mt/hr	600 - 16	900 - 24	1,200 - 32	200	300
Barley Aspirate: Rough	900 bu/hr - 19 mt/hr	1,800 - 38	2,700 - 57	3,600 - 76	300	396
Barley Aspirate: Chaff/Seed	500 bu/hr - 10 mt/hr	1,000 - 20	1,500 - 30	2,000 - 40	160	240
Barley Aspirate: Broken	300 bu/hr - 6 mt/hr	600 - 12	900 - 18	1,200 - 24	160	240
Corn Aspirate: Rough	900 bu/hr - 22 mt/hr	1,800 - 44	2,700 - 66	3,600 - 66	280	360
Corn Aspirate: Chaff/Seed	350 bu/hr - 8 mt/hr	700 - 16	1,050 - 24	1,400 - 32	150	225
Corn Aspirate: Broken	300 bu/hr - 7 mt/hr	600 - 14	900 - 21	1,200 - 28	150	225
Paddy Aspirate Hulls	500 bu/hr - 10 mt/hr	1,000 - 20	1,500 - 30	2,000 - 40	120	240
White Rice Aspirate Fines	500 bu/hr - 13 mt/hr	1,000 - 26	1,500 - 39	2,000 - 52	200	300
DUO ASPIRATOR MACHINE SPECIFICATIONS						
MODEL	HEIGHT	LENGTH	WIDTH	WEIGHT	MOTOR H.P. (F & C)	
Modular 28 Open Circuit	84" (2,134 mm)	90" (2,286 mm)	60" (1,524 mm)	1,100 lbs. (501 kg)	.5 - .5	
Modular 56 Open Circuit	84" (2,134 mm)	90" (2,286 mm)	88" (2,235 mm)	1,780 lbs. (810 kg)	3/4 - .5	
Modular 84 Open Circuit	84" (2,134 mm)	90" (2,286 mm)	116" (2,946 mm)	2,460 lbs. (1,120 kg)	1 - .5	
Modular 112 Open Circuit	84" (2,134 mm)	90" (2,286 mm)	144" (3,654 mm)	3,200 lbs. (1,456 kg)	1 - .5	
Modular 28 Closed Circuit	99" (2,515 mm)	90" (2,286 mm)	60" (1,524 mm)	1,250 lbs. (569 kg)	1.5 - .5	
Modular 56 Closed Circuit	102" (2,591 mm)	90" (2,286 mm)	88" (2,235 mm)	1,985 lbs. (903 kg)		
Modular 84 Closed Circuit	106" (2,692 mm)	90" (2,286 mm)	116" (2,946 mm)	2,770 lbs. (1,238 kg)		
Modular 112 Closed Circuit	106" (2,692 mm)	90" (2,286 mm)	144" (3,650 mm)	3,500 lbs. (1,593 kg)		
Retro 24	67"	62"	39.5"	860 lbs.	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

Soybeans 60

Canola 60

Sorghum 56

Safflower 56

Corn (Maize) 56

Paddy Rice 45

Mustard 60

Oats 32

Wheat 60

Sunflower Seeds 32

Edible Beans 60

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DUO ASPIRATOR

OPEN CIRCUIT and CLOSED CIRCUIT
28, 56, 84, 112
RETRO SERIES
24, 36



WORLDWIDE REPRESENTATION

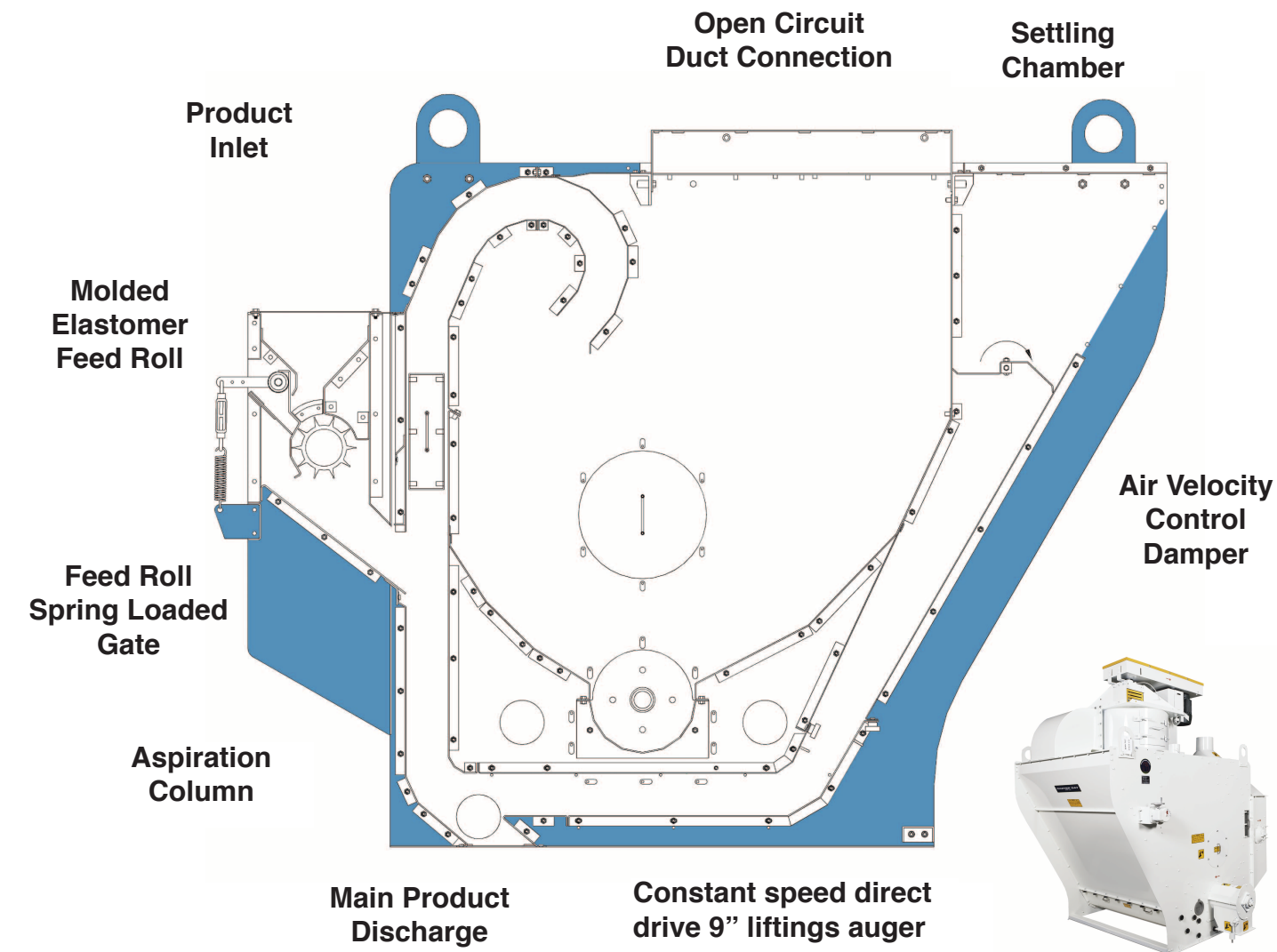
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DUO ASPIRATOR

Carter Day has been manufacturing quality processing equipment for over 140 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.



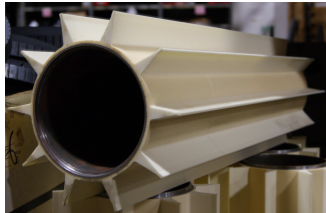
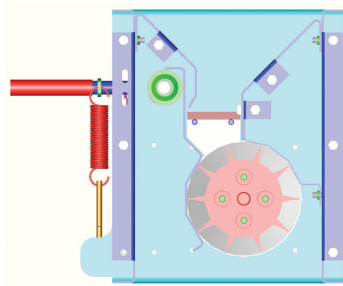
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DUO ASPIRATOR

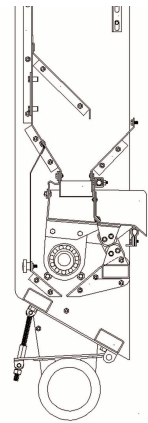
The product flow can be VFD controlled through a variable speed direct-drive urethane-coated feed roll or variable speed vibratory feeder. Our industrial strength soft tip urethane-coated feed roll provides a great application for seed and products requiring gentle handling. We also offer our Vibratory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

