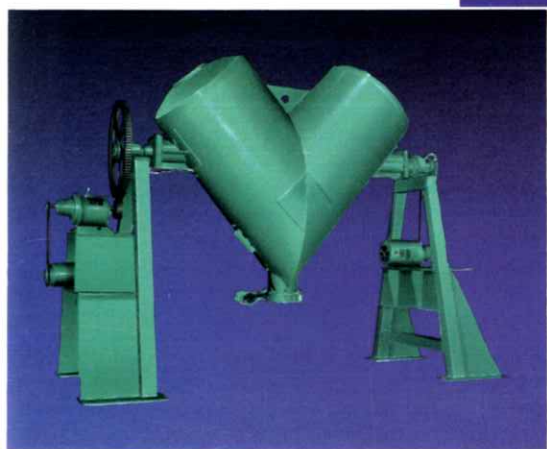
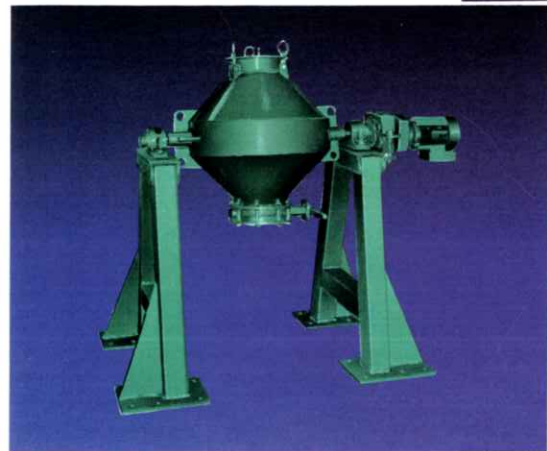


Dry Powder Blenders

*Built to Your
Specifications and Our
High Quality Standards*

MARCH 2002

Vee Blenders
Cone Blenders

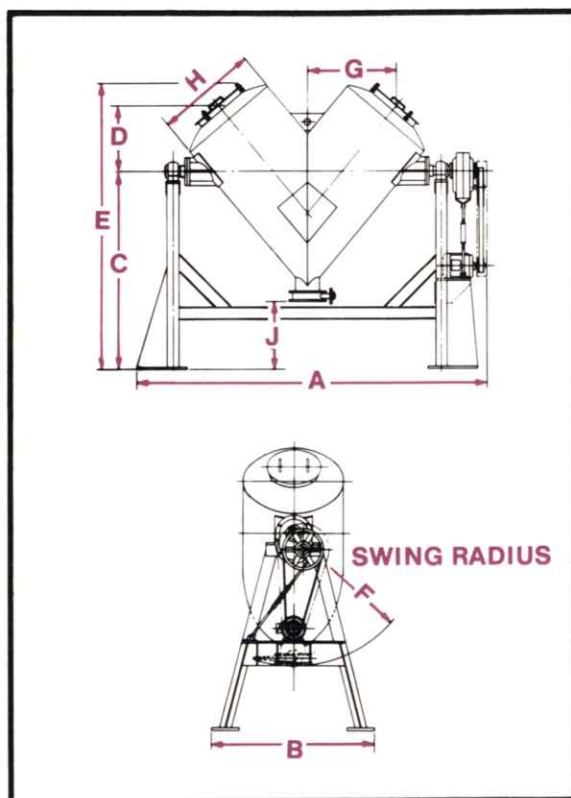


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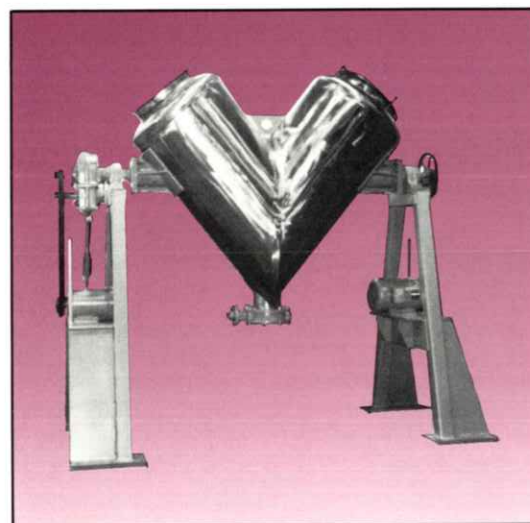
Vee Blenders

Vee Blenders combine the efficient blending process of a rotating inclined cylinder with the intermeshing action that occurs when two inclined cylinders combine their flow.

Our Blenders are available with Pin Bar Agitators and Liquid Feed Agitator Bars and are used in a wide variety of industries including chemical, plastics, ceramics, metallurgical, pharmaceutical and food.



▲ 3 CU. FT. VEE BLENDER
DIRECT DRIVE



▲ 20 CU. FT. VEE BLENDER
WITH AGITATOR

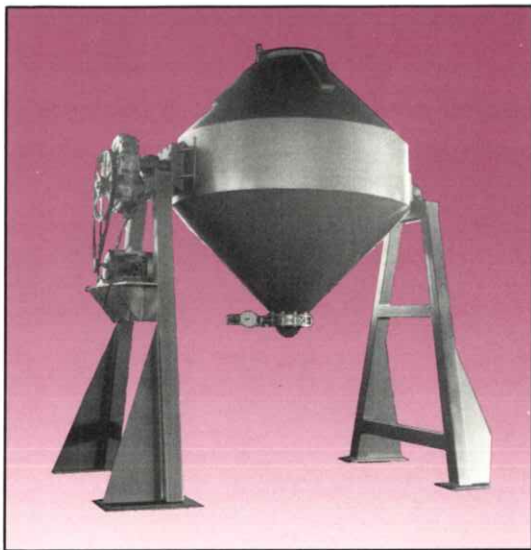
Work Cap Cu Ft.	A	B	C	D	E	F	G	H	J	Disch. Size	Minimum HP*	Blender RPM
8 Qt.	2'9"	2'0"	18"	4½"	2'0"	9"	6½"	7½"	9"	3"	¼	30
16 Qt.	3'1"	2'3"	2'0"	5"	2'1"	10"	7"	8½"	1'2"	3"	¼	30
1	5'0"	3'0"	2'8½"	6½"	4'0"	14½"	9½"	11½"	1'6"	6"	1	30
2	5'4"	3'6"	3'6"	7½"	4'6"	18"	12"	14½"	2'0"	6"	1½	27
3	6'6"	4'0"	3'10"	10"	5'0"	22"	14"	16½"	2'0"	6"	1	27
5	6'9"	4'0"	4'3"	11"	5'8½"	27"	16"	19½"	2'0"	6"	1½	20
10	8'2"	5'0"	4'8"	16"	6'6"	32"	22"	25"	2'0"	8"	2	20
20	9'6"	5'0"	5'2"	18"	7'5"	38"	26"	30"	2'0"	8"	3	16
30	10'9"	6'0"	5'9"	22"	8'5½"	3'9"	2'7"	3'0"	2'0"	10"	5	15
40	12'2"	6'6"	6'1"	2'0"	9'1"	4'1"	2'11"	3'4"	2'0"	10"	5	14
50	12'6"	6'6"	6'4"	2'2"	9'6"	4'4"	3'0"	3'6"	2'0"	10"	5	14
60	13'3"	7'0"	6'8"	2'4"	10'3"	4'8"	3'3"	3'9"	2'0"	10"	5	11
75	14'1"	7'0"	7'0"	2'5"	10'7½"	5'0"	3'5"	4'0"	2'0"	12"	7½	11
100	16'0"	7'6"	7'8"	2'8"	11'8"	5'8"	3'9"	4'6"	2'0"	12"	7½	10
125	16'4"	8'0"	7'10"	2'10"	12'1½"	5'10"	4'1"	4'9"	2'0"	12"	10	9
150	16'6"	8'0"	8'2"	3'0"	12'8"	6'2"	4'3"	5'0"	2'0"	12"	10	7
200	19'3"	8'0"	8'4"	3'6"	12'10"	6'4"	5'1"	5'0"	2'0"	12"	15	6

*HP based on material density of 50 PCF - Free Flowing Materials.

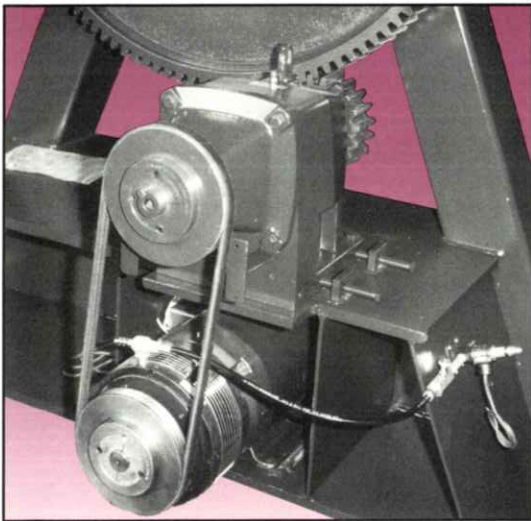
Cone Blenders

Cone Blenders provide for rapid and thorough mixing of dry powders. The conical design, with no flat spots or internal moving parts, produces a constantly changing flow resulting in a completely homogeneous blend . . . even if materials are of dissimilar size and shape.

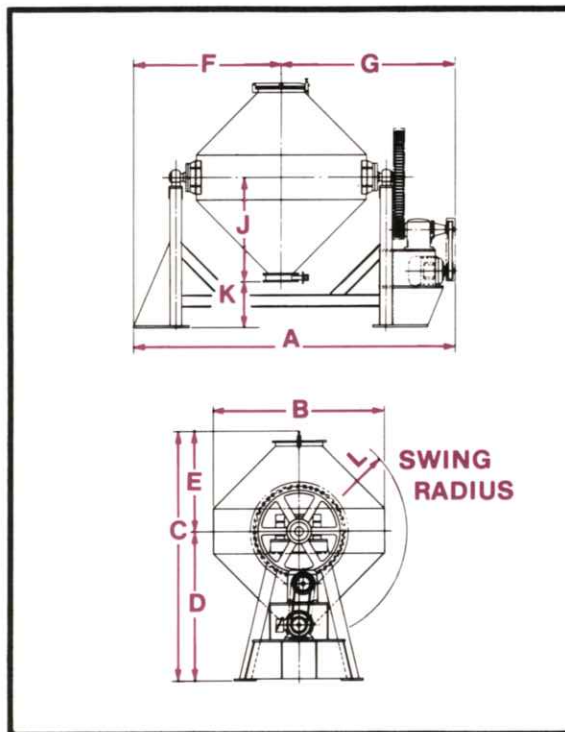
Our Blenders are built to suit your specifications and can be furnished with motor mounted air brakes, manual or pneumatic butterfly discharge valves and with discharge clearances to suit your needs.



▲ 7'-6" DIA. CONE BLENDER
135 CU. FT. CAPACITY



▲ GEAR AND PINION DRIVE
WITH AIR BRAKE



Size (I.D.)	Approx Total Volume (Cu. Ft.)	Maximum Operating Capacity (Cu. Ft.)	Product Charging Door (Diam.)	Product Discharge Valve (Diam.)	HP (Minimum)	A	B	C	D	E	F	G	J	K	L
12"	0.5	0.35	4"		¼	25"	12¼"	2'2"	17"	9"	12"	13"	9"	8"	9"
1'6"	1.5	1	6"	4"	½	3'8"	1'7"	3'11¼"	2'11"	12½"	18"	2'2"	11"	2'0"	15"
2'0"	3.7	2.6	8"	6"	¾	4'6"	2'¼"	4'7"	3'3"	16"	21"	2'9"	15"	2'0"	19"
2'6"	7.2	5	12"	6"	1	5'0"	2'7"	5'3"	3'6"	19"	2'1"	2'11"	18"	2'0"	22"
3'0"	12.4	8.7	12"	6"	1	6'0"	3'¼"	5'7"	3'9"	22"	2'6"	3'6"	21"	2'0"	21"
3'6"	20	14	16"	8"	1	7'3"	3'7"	6'3"	4'2"	2'1"	2'11"	4'2"	2'2"	2'0"	2'6"
4'0"	29	20	16"	8"	2	8'4"	4'¼"	6'10"	4'5"	2'5"	3'4"	5'0"	2'5"	2'0"	2'9"
4'6"	42	30	16"	8"	3	9'4"	4'7"	7'6"	4'9"	2'9"	3'10"	5'6"	2'9"	2'0"	3'1"
5'0"	57	40	16"	10"	5	10'5"	5'¼"	8'1"	5'0"	3'1"	4'7"	5'10"	3'0"	2'0"	3'4"
5'6"	76	53	16"	10"	5	11'6"	5'7"	8'9"	5'4"	3'5"	4'10"	6'8"	3'4"	2'0"	3'8"
6'0"	100	70	16"	10"	7½	11'9"	6'1"	9'3"	5'7"	3'8"	5'0"	6'9"	3'7"	2'0"	3'11"
6'6"	125	88	18"	12"	7½	12'5"	6'7"	9'10"	5'10"	4'0"	5'7"	6'10"	3'10"	2'0"	4'2"
7'0"	157	110	18"	12"	10	13'0"	7'1"	10'6"	6'2"	4'4"	5'10"	7'2"	4'2"	2'0"	4'5"
7'6"	193	135	18"	12"	15	13'10"	7'7"	11'1"	6'6"	4'7"	6'4"	7'6"	4'6"	2'0"	4'10"
8'0"	234	164	18"	12"	15	14'9"	8'1"	11'9"	6'10"	4'11"	6'7"	8'2"	4'10"	2'0"	5'2"
8'6"	281	197	18"	12"	20	15'3"	8'7"	12'3"	7'2"	5'1"	6'10"	8'5"	5'2"	2'0"	5'4"
9'0"	334	234	18"	12"	20	16'6"	9'2"	12'11"	7'5"	5'6"	7'1"	9'5"	5'5"	2'0"	5'9"
9'6"	392	275	18"	12"	25	17'0"	9'8"	13'8"	7'9"	5'11"	7'4"	9'8"	5'9"	2'0"	6'0"
10'0"	458	320	18"	12"	30	17'10"	10'2"	14'1"	8'0"	6'1"	7'6"	10'4"	6'0"	2'0"	6'4"
10'6"	530	371	18"	12"	CONSULT FACTORY	18'5"	10'8"	14'8"	8'4"	6'4"	7'9"	12'7"	6'4"	2'0"	6'8"
11'0"	610	427	18"	12"		20'8"	11'3"	15'6"	8'8"	6'10"	7'10"	12'10"	6'8"	2'0"	7'0"
11'6"	699	489	18"	12"		21'4"	11'9"	16'1"	9'0"	7'1"	8'2"	13'2"	7'0"	2'0"	7'4"
12'0"	790	553	18"	12"		22'11"	12'3"	16'7"	9'3"	7'4"	8'5"	14'6"	7'3"	2'0"	7'7"

H.P. based on material density of 50 PCF - Free Flowing Material.

Vee and Cone Blender Optional Features

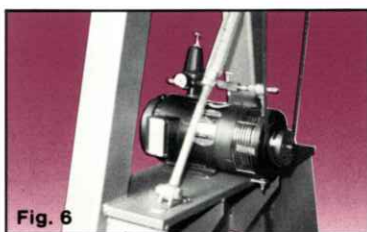


Fig. 6
MOTOR MOUNTED AIR BRAKE for smoother stopping, resulting in less shock loading on the Blender Drive.

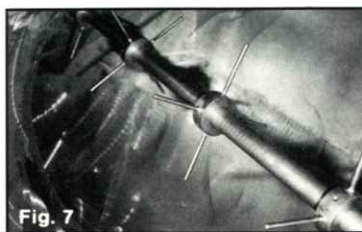


Fig. 7
PIN BAR AGITATOR operating at a tip speed of 1700 fpm for a more gentle breaking-up of agglomerates.

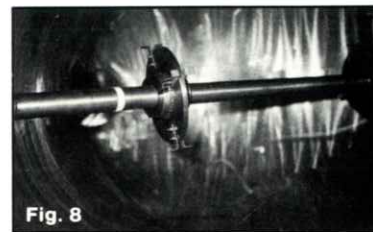


Fig. 8
LIQUID FEED AGITATOR BAR with a peripheral speed of 3300 fpm and used for adding liquids and deagglomeration.

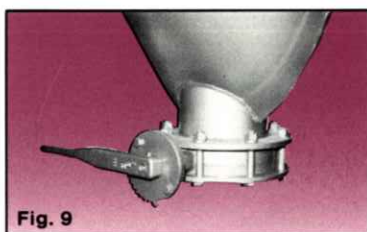


Fig. 9
BUTTERFLY DISCHARGE VALVE. Lever actuated valves are standard. Pneumatic actuators are available as in Fig. 10.



Fig. 10
AIR ACTUATED BUTTERFLY DISCHARGE VALVE.

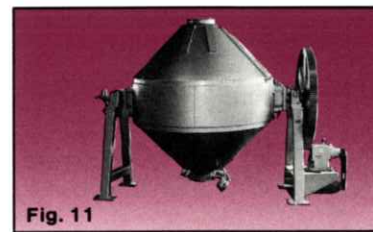


Fig. 11
JACKETED BLENDERS with rotary union for cooling and heating.

Laboratory Equipment

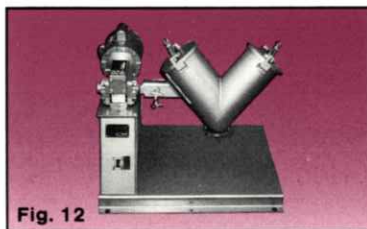


Fig. 12
CANTILEVERED VEE BLENDER.

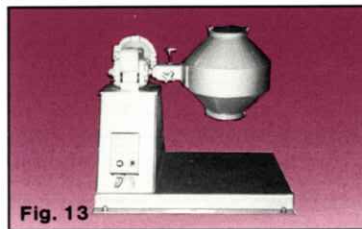


Fig. 13
12" DIA. LABORATORY CONE BLENDER.

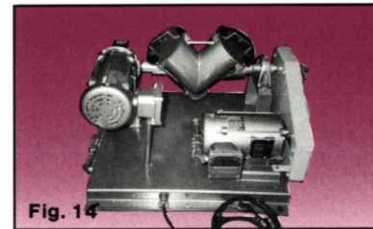


Fig. 14
4 QT. LABORATORY VEE BLENDER with liquid feed agitator bar.

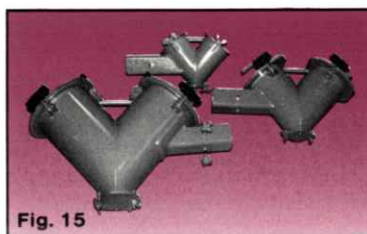


Fig. 15
A variety of Vee Bodies can be operated on the same base to allow for versatility in batch sizes. Shown here: 4 qt., 1 qt., 1 cup.

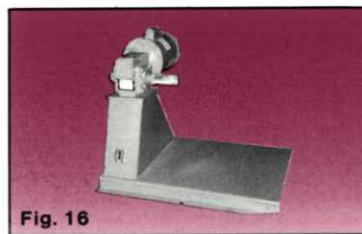


Fig. 16
Base for pictured Bodies in Fig. 15.



Fig. 17
1 CU. FT. LABORATORY VEE BLENDER.

**CROSSLEY-
ECONOMY**

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East Palestine, Ohio 44413
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Ball Mills, Lined and Unlined, Plain and Jacketed for Batch and Continuous Operation - Grinding Media and Mill Linings
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