

Floccin Feeders

These units are designed to work in any wastewater application. These are commonly used with our Continuous Flow Units or any Batch Treatment System. These units carry Floccin Agents to a mix tank.

30/ 60 gallon Floccin Feeders

General Specifications:

These units are epoxy coated carbon steel construction with a heavy gauge polypropylene 60 gallon feed hopper. Dimensions are approximately 24" wide x 36" height. 1/20 HP, 90 volt DC motor. The electrical service requirements are 2 amps at 110 volts single phase.

On/Off and variable signal inputs are available in controller. Feeder is capable of feeding the FloccinAgents™ to a vertical height of 16 ft.

Controller Specifications:

Standard Continuous Units are set with potentiometers for motor speed to deliver a continuous amount of material. Manually turned On/Off or may be interfaced to customer's existing controls. Has adjustable On/Off delay to allow controlled On/Off cycling.



60 Gallon Feeder

30/60 Gallon Feed Rates											
5 RPM				19 RPM				37 RPM			
Speed %	RPM	Lbs/Min	Lbs/ Hr	Speed %	RPM	Lbs/Min	Lbs/ Hr	Speed %	RPM	Lbs/Min	Lbs/ Hr
100%	5	0.3	18	100%	19	1.15	69	100%	37	2.24	135
90%	5	0.27	16	90%	17	1.04	62	90%	33	2.01	122
80%	4	0.24	15	80%	15	0.92	55	80%	30	1.79	108
70%	4	0.21	13	70%	13	0.81	48	70%	26	1.56	95
60%	3	0.18	11	60%	11	0.69	41	60%	22	1.34	81
50%	3	0.15	9	50%	10	0.58	35	50%	19	1.12	68
40%	2	0.12	7	40%	8	0.46	28	40%	15	0.89	54
30%	2	0.09	5	30%	6	0.35	21	30%	11	0.67	41
20%	1	0.06	4	20%	4	0.23	14	20%	7	0.44	27
10%	0.5	0.03	1.8	10%	2	0.11	7	10%	4	0.22	13

Super Sack Feeder

General Specifications:

These units are epoxy painted carbon steel construction with an integrated feed hopper equipped with a deck capable of supporting a 2000 lb Floccin™ Super Sack. There is a visible access door to allow opening of the Super-Sack while mounted on the Floccin Feeder. Dimensions are approximately 26" wide x 61" high (overall footprint 42" X 42") with an overall weight of approximately 350 lbs. The auger is driven by a 1/4 HP, 90 volt DC motor. The electrical service requirement is 4 amps at 110 volts single phase. On/Off and variable signal inputs are available in the controller. The feeder is capable of delivering the Floccin Agents to a vertical height of 35 ft.

Super Sack Feeder



Super Sack Feed Rates							
146 RPM				90 RPM			
Speed %	RPM	Lbs/ Min	Lbs/ Hr	Speed %	RPM	Lbs/ Min	Lbs/ Hr
100%	146	8.85	531	100%	90	5.46	328
90%	131	7.97	478	90%	81	4.91	295
80%	117	7.08	425	80%	72	4.37	262
70%	102	6.20	372	70%	63	3.82	229
60%	88	5.31	319	60%	54	3.28	197
50%	73	4.43	266	50%	45	2.73	164
40%	58	3.54	213	40%	36	2.18	131
30%	44	2.66	159	30%	27	1.64	98
20%	29	1.77	106	20%	18	1.09	66
10%	15	0.89	53	10%	9	0.55	33
60 RPM				40 RPM			
Speed %	RPM	Lbs/ Min	Lbs/ Hr	Speed %	RPM	Lbs/ Min	Lbs/ Hr
100%	60	3.64	218	100%	40	2.43	146
90%	54	3.28	197	90%	36	2.18	131
80%	48	2.91	175	80%	32	1.94	116
70%	42	2.55	153	70%	28	1.70	102
60%	36	2.18	131	60%	24	1.46	87
50%	30	1.82	109	50%	20	1.21	73
40%	24	1.46	87	40%	16	0.97	58
30%	18	1.09	66	30%	12	0.73	44
20%	12	0.73	44	20%	8	0.49	29
10%	6	0.36	22	10%	4	0.24	15

Controller Specifications:

Depending on the application, the control panel may be equipped with a digital counter or rate meter to allow for precise Floccin delivery. It can be set for either automatic operation or run manually for override and setup situations. Emergency Stop function is also provided.

The Floccin delivery rate is adjustable through the use of a potentiometer. When configured for a batch process the controller will feed a preset amount of Floccin for the batch, according to user defined set points, before turning off. The display values are pounds of Floccin. When configured for continuous flow operation, the feeder will display the rate of Floccin being fed in either pounds per minute or pounds per hour. All operations can be manually triggered, or interfaced with existing equipment for automatic operation.



Installation:

In a typical installation the feeder is secured to the floor in a position accessible to forklift for lifting the Floccin Super Sack to the hopper deck. A sweeping auger run is installed between the Feeder and the reaction tank. The auger pipe is clamped to the base feeder motor assembly with the discharge end extending over the wall of the reaction tank. A clamp assembly is used to secure the discharge end of the auger pipe to the reaction tank wall.

