

Acrison Auger and Agitator Volumetric Feeder-1 cu. ft.

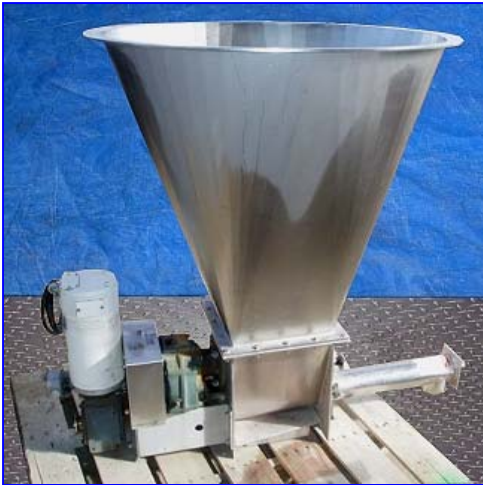
Mfg: Acrison

Model: 1015X

Stock No. SNPM059.6

Serial No.:

Acrison Auger and Agitator Volumetric Feeder-1 cu. ft. Model: 1015X. Auger/agitator dimensions: 8 in dia. x 12 in. L. Metering screw auger dimensions: 2-15/16 in. dia x 30 in L. Screw auger housing: 3 in. Dispersing cone diameter: 8 in. Pacific Scientific Motor, 1 hp, 1750 rpm, 90 V, 9 amps. Dodge Gear Drive (auger/agitator), 25.64 ratio, 68.25 rpm (final). Sterling Electric Gear Drive (metering screw), 10 ratio, 175 rpm. Inlets: (1) 3 in. dia. infeed port, (1) 8 in. dia. infeed port, (1) 12 in. L x 10 in. W access door. Outlets: (1) 3-1/2 in. dia. discharge. Dry Solids Volumetric Feeders feature a dissimilar speed, dual auger/agitator metering mechanism consisting of a "conditioning" auger (or agitator) mounted above a smaller auger in a specially contoured feed chamber which is intended to simultaneously fill the metering auger with material of consistent density. Overall dimensions: 43 in. L x 41 in. W x 55 in. H.







Model 1015X Series

Volumetric Feeders. Featuring a dual auger/agitator metering mechanism

Acrison's Model 1015 Series of Dry Solids Volumetric Feeders feature a dissimilar speed, dual auger/agitator metering mechanism consisting of a "conditioning" auger (or agitator) mounted above a smaller auger in a specially contoured feed chamber...intended for use in those applications where a minimal amount of residual product will remain in the feeder when operated until empty.

Rotation of the larger or "conditioning" auger/agitator produces bidirectional agitation of product within the feeder's feed chamber ensuring positive downward flow of product while simultaneously filling the metering auger with material of consistent density.

The dual augers, or auger and agitator, rotate at proportional but dissimilar speed, with the larger "conditioning" auger/agitator operating at a much slower speed than the metering auger. Stagnant areas are eliminated by the design of the feed chamber, in conjunction with rotation of the auger/agitator which continuously circulates product. When the feeder is permitted to feed until empty, only a minimal amount of material will remain within the unit.

The conditioning auger/agitator and the metering auger are mechanically geared together in a common drive network, powered by a single variable speed DC gearmotor drive.

Model 1015X

Utilizes a 8 inch diameter auger/agitator.

Powered by a ¾ horsepower variable speed DC gearmotor drive.

Standard Features

All steel construction for durability and longevity with near-zero maintenance requirements.

Furnished with a one cubic foot supply hopper, flanged feed chamber, or a flanged feed chamber with a cover having a circular inlet.

Maximum circular cover inlet sizes (OD) are as follows:

1015X: 8 inches.

Flanged rectangular feed chamber inlet sizes (ID) are as follows:

1015X: 8½ x 13½ inches.

Dual augers or auger and agitator, discharge cylinder, drive shaft and seal components are 304 stainless steel.

Metering auger is 316 stainless steel. Auger/agitator is flange-attached to it's drive shaft. Metering auger utilizes a threaded attachment to its drive shaft. Variable speed DC gearmotor drive with either a 30:1 or 50:1 speed range. Variable speed SCR/DC controllers are manufactured by Acrison. Totally enclosed DC motor. Dust tight, heavy-duty construction. Silent when operating.

Optional or Accessory Equipment

Various materials of construction. Integral supply hoppers up to six cubic feet in capacity (if material flow characteristics deem feasible). Various SCR/DC controllers and control modes. Quick-disconnect construction for ease-of-cleanout. Sanitary construction to satisfy USDA and FDA sanitary codes (includes quick-disconnect construction). High temperature construction. Pressure construction.

Capacities

The capacity chart indicates the typical output range for each standard size metering auger available with the Model 1015 Series Volumetric Feeders. Since the physical properties of the actual product being metered may have an affect upon the exact output, the stated capacities may vary.

MODEL 1015 FEEDER SERIES CAPACITY CHART				
Capacities shown in cubic feet per hour				
Size	Minimum Output			Maximum Output
	10:1 Speed Range	30:1 Speed Range	50:1 Speed Range	
1015-A	0.006	0.002	0.0012	0.06
1015-B	0.015	0.005	0.003	0.15
1015-C	0.09	0.030	0.018	0.9
1015-D	0.24	0.080	0.048	2.4
1015-E	0.60	0.20	0.12	6
1015-F	1.30	0.43	0.26	13
*1015-G	2.4	0.80	0.48	24
*1015-H	5.1	1.70	1.02	51
**1015-K	11.5	3.83	2.3	115
**1015-M	16.0	5.33	3.2	160
**1015-N	22.0	7.30	4.4	220

* Available on the Models 1015X and 1015Z only.
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