SCHENCK AccuRate®

SOLIDSFLOW® USDA ACCEPTED MODEL 2000 FEEDER

SCHENCK AccuRate's SolidsFlow® USDA Accepted Model 2000 Feeder was designed specifically for use in the food, dairy, and pharmaceutical industries where equipment and processes must meet stringent sanitary levels. Using the SolidsFlow® Model 2000 feeder as the basis for the offering; welds, radii, seals, surface finishes, gaskets and all contact and non-contact materials were reviewed and specified as directed by USDA inspectors.

Optional FDA white epoxy-painted vibrator and electropolished model shown.

The SolidsFlow® USDA Accepted Model 2000 Feeder is a mass flow feeder based on louvered vibratory feeding technology. The feeder utilizes a vibrating drive and tray frame, which contains a removable feed tray. The feed tray is fitted with a number of flat blades of varying lengths set at an angle and a predetermined distance apart. This effectively divides the discharge area into a series of material feed slots.

Each blade acts as a vibratory feeder with a gap and overlap across the entire width of the discharge opening. All blade dimensions and angles are fixed to suit the particular characteristics of the material(s) being fed. Therefore when the vibrations cease, material flow stops under the action of the angle of repose of the product.

To determine the proper feeder size and hopper wall angle for your particular application, SCHENCK AccuRate utilizes a Jenike & Johansen shear tester. The shear tester is the industry accepted device used in Europe and the United States to evaluate flow properties of bulk solids. By evaluating your material with the shear tester, we can specifically select the feed tray best suited to the application.

Users of the SolidsFlow® USDA Accepted Model 2000 Feeder will find that it is a low maintenance, easy to clean feeder that handles a wide variety of materials whose flow characteristics may differ. With no moving parts, the Model 2000 requires little maintenance. The feeder is also offered in volumetric and gravimetric models with feed rates up to 341 cubic feet (9,657 liters) per hour. Additional product attributes of the SolidsFlow® USDA Accepted Model 2000 Feeder include the following:

- Smooth (32 micro-inch Ra or better) and crevice-free product contact surfaces, which helps prevent the formation of bacteria.
- Polished interior tray surfaces and discharge cone.
- Dual tray stack up allows for easy access and quick disassembly of product contact components for cleaning and sanitizing.
- Nitrile rubber flexible seal skirt and silicone gasket seals are chemically compatible with food, dairy, and pharmaceutical products as well as the cleaning/sanitizing solutions used.
- Domed hopper covers speed and optimize drainage during and after wash-down cycles.

For more information, please contact us at 1-800-558-0184 or Fax: 262-473-4384
E-mail: mktg@accuratefeeders.com Web site: www.accuratefeeders.com

SOLIDSFLOW® USDA ACCEPTED MODEL 2000 FEEDER

SPECIFICATIONS

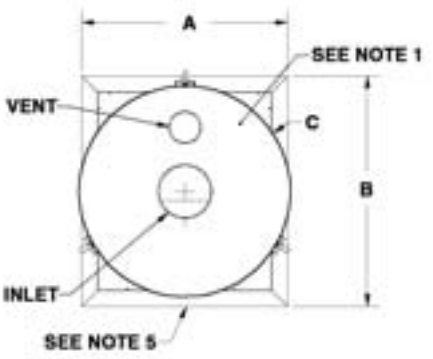
SOLIDSFLOW® USDA ACCEPTED MODEL 2000 FEEDER SPECIFICATIONS

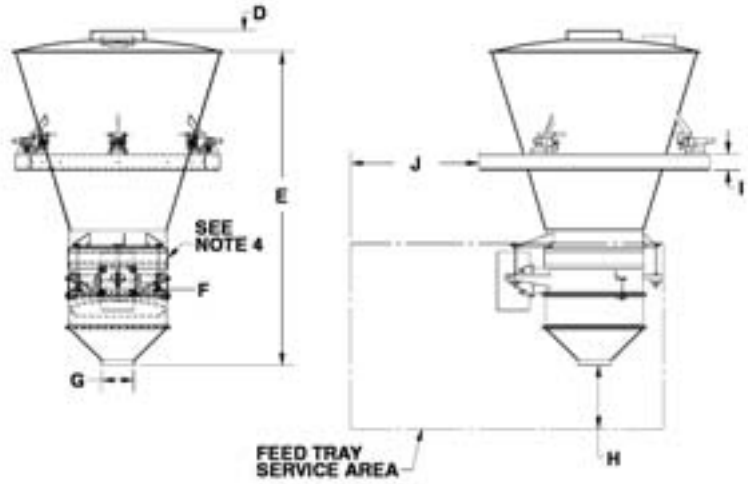
VIBRATOR
Standard electromechanical for all sizes 230/460 V (CSA, CE). White FDA approved paint optional.

MOUNTING KIT
Standard for all sizes.
Includes hopper to feed tray flexible seal skirt, (2) flat band clamps, (2) V-band clamps, (3) hanger assemblies, vibrator mounting hardware, and additional hanger assemblies for 6", 12", 18", and 24" feed trays.

EXTENSION HOPPER AND COVER
Choices include no cover, manual refill cover, and covers with inlets & vents.

STANDS AND PLATFORMS
Stands and platforms are available in enamel-coated carbon steel in the 6", 12", 18", and 24" feeder models. A STEEL IT epoxy powder coat is optionally available.



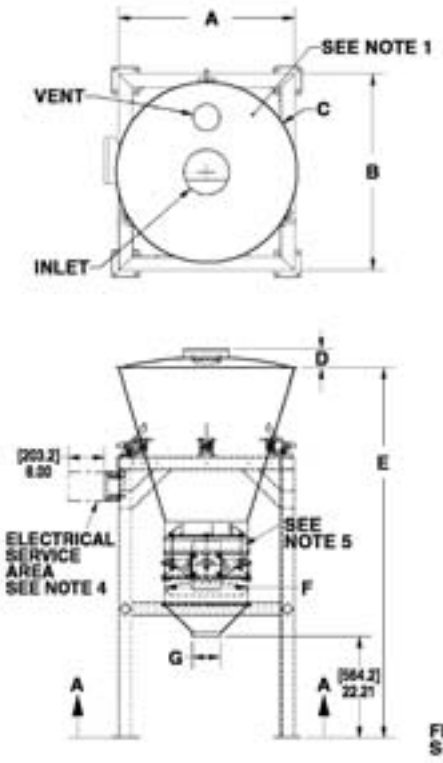


NOTES:
1. Cover is available in auto refill (shown), manual refill, or with no cover. Cover may be rotated up to 360° to meet application requirements.
   Hopper sizes less than 10 cubic feet - Standard inlet and vent are: 10" Inlet, 4" Vent.
   Hopper sizes 10 cubic feet or greater - Standard inlet and vent are: 10" Inlet, 6" Vent.
2. 6" & 12" - vibratory drive: .17 HP (.13 kW). Drive is TENV, IP-66, and meets NEMA MG-1.
   18" & 24" - vibratory drive: .52 HP (.39kW). Drive is TENV, IP-66, and meets NEMA MG-1.
3. For volumetric systems, weighing modules are replaced by volumetric spacers. Spacers can be easily replaced for volumetric to gravimetric upgrade.
4. Flexible seal skirt between stationary hopper and feed tray.
5. Mounting platform can be bolted or welded into customer support structure.

SolidsFlow® USDA Accepted Feeder with Platforms

	6 " 2.5 cu/ft hopper	12 " 5 cu/ft hopper	12 " 10 cu/ft hopper	12 " 20 cu/ft hopper	18 " 5 cu/ft hopper	18 " 10 cu/ft hopper	18 " 20 cu/ft hopper	24 " 10 cu/ft hopper
A	22.00 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "
B	24.50 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "
C	26.65 "	34.09 "	39.49 "	39.49 "	34.09 "	39.49 "	39.49 "	39.49 "
D	3.87 "	4.00 "	4.05 "	4.05 "	4.00 "	4.05 "	4.05 "	4.05 "
E	41.67 "	55.59 "	64.30 "	75.80 "	49.69 "	58.74 "	70.25 "	52.88 "
F	6.38 "	12.00 "	12.00 "	12.00 "	18.00 "	18.00 "	18.00 "	24.00 "
G	3.00 "	4.00 "	4.00 "	4.00 "	6.00 "	6.00 "	6.00 "	8.00 "
H	4.00 "	8.00 "	8.00 "	8.00 "	12.00 "	12.00 "	12.00 "	12.00 "
I	2.00 "	3.00 "	3.00 "	3.00 "	3.00 "	3.00 "	3.00 "	3.00 "
J	9.00 "	18.00 "	18.00 "	18.00 "	24.00 "	24.00 "	24.00 "	36.00 "

Reference drawings only. Dimensions subject to change without notice. Please contact sales for detailed drawings.



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   18" & 24" - vibratory drive: .52 HP (.39kW). Drive is TENV, IP-66, and meets NEMA MG-1.
3. For volumetric systems, weighing modules are replaced by volumetric spacers. Spacers can be easily replaced for volumetric to gravimetric upgrade.
4. Control box can be located in various locations on sides of feeder.
5. Flexible seal skirt between stationary hopper and feed tray.

SolidsFlow® USDA Accepted Feeder with Stands

	6 " 2.5 cu/ft hopper	12 " 5 cu/ft hopper	12 " 10 cu/ft hopper	12 " 20 cu/ft hopper	18 " 5 cu/ft hopper	18 " 10 cu/ft hopper	18 " 20 cu/ft hopper	24 " 10 cu/ft hopper
A	22.00 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "	38.50 "
B	24.50 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "	43.18 "
C	26.65 "	34.09 "	39.49 "	39.50 "	34.09 "	39.49 "	39.49 "	39.49 "
D	3.87 "	4.00 "	4.05 "	4.05 "	4.00 "	4.05 "	4.05 "	4.05 "
E	52.70 "	72.10 "	80.82 "	92.20 "	71.90 "	80.93 "	92.31 "	72.89 "
F	6.58 "	12.00 "	12.00 "	12.00 "	18.00 "	18.00 "	18.00 "	24.00 "
G	3.00 "	4.00 "	4.00 "	4.00 "	6.00 "	6.00 "	6.00 "	8.00 "
H	4.00 "	8.00 "	8.00 "	8.00 "	12.00 "	12.00 "	12.00 "	16.00 "
I	9.00 "	18.00 "	18.00 "	18.00 "	24.00 "	24.00 "	24.00 "	36.00 "

SolidsFlow® USDA Model 2000 Feeder Specifications

Feed Tray Sizes	Maximum Feed Rates	Feed Rates (liters)	Discharge Cone Diameter
6" (152 mm)	22 cu ft/hr	623 liters	3" (76 mm)
12" (305 mm)	85 cu ft/hr	2,407 liters	4" (102 mm)
18" (457 mm)	168 cu ft/hr	4,758 liters	6" (152 mm)
24" (610 mm)	341 cu ft/hr	9,657 liters	8" (203 mm)

The SolidsFlow® product line consists of a wide variety of feed tray options to meet your specific processing needs. Single slotted trays are offered for applications that require lower feed rates and dual slotted trays are available when higher rates are required. Testing of your material by our test lab will allow us to locate the most suitable feed tray for your application.

SINGLE SLOT FEED TRAY

DUAL SLOTTED FEED TRAY

Reference drawings only. Dimensions subject to change without notice. Please contact sales for detailed drawings.

SOLIDSFLOW® USDA ACCEPTED MODEL 2000 FEEDER

SPECIFICATIONS

USDA ACCEPTED LOUVERED VIBRATORY FEEDER

NOTE: 316 or 316L stainless steel, electropolishing, passivation, and other surface preparations are optionally available.

NOTE: All sanitary grade SolidsFlow® 2000 feeders are designed and manufactured to 3-A Sanitary Standards. However, as there is no 3-A Sanitary Standards category for vibratory feeders, a 3-A certification symbol cannot be assigned.

EASY, QUICK DISASSEMBLY FOR CLEANING AND SERVICING

The SolidsFlow® USDA Accepted Model 2000 Feeder offers unusually easy and quick disassembly for the kind of cleaning and servicing required in food, dairy, and pharmaceutical applications. This allows you the flexibility to easily handle a wide variety of materials whose flow characteristics may differ.

The Model 2000 has no moving parts, requires very little maintenance, and may be disassembled as follows:

Loosen the bottom band clamp while supporting the discharge cone. Remove the discharge cone.

Loosen and uncouple upper v-band clamp. The lower feed tray is supported by cables. Pivot lower feed tray to release support cables and remove lower tray.

Loosen lower band clamp on flexible seal skirt. Lift lower tray and release front hanger cable (opposite vibrator) while supporting the feed tray.

Lift and remove the rear hanger cables. Remove upper tray. Note: Larger feed tray sizes may require two people for removal.

Loosen and remove upper flat band clamp. Remove the flexible seal skirt.