



PHARMACEUTICAL TUF-FLEX™ SERIES FEEDERS



AccuRate®'s economical and application-proven Tuf-Flex™ dry material feeders are currently being used to handle a wide variety of pharmaceutical grade powders. The ease in which the feeder disassembles makes it a favorite among operators in pharmaceutical processing plants due to the convenience of cleaning the unit. Also, the Tuf-Flex™ feeders are offered in four different model sizes giving users a wide range of volumetric feed rates ranging from .000017 to 280 cubic feet per hour to choose from for their particular application.



All AccuRate® Tuf-Flex™ feeders utilize a unique form of agitation. Instead of using the traditional internal stirring devices or vibration to keep material moving, AccuRate® manufactures a Tuf-Flex™ vinyl hopper. This flexible hopper is agitated on the exterior by two alternating paddles (one paddle on the smallest unit).

The paddle action gently massages the material down into the metering screw, eliminating ratholing and bridging while conditioning material into a uniform bulk density. The helix flights are filled uniformly, resulting in excellent volumetric accuracy.

MATERIALS OF CONSTRUCTION:

Contact materials –

- 304 stainless steel
- FDA accepted vinyl hoppers (optional white polyurethane available)
- UHMW polyethylene

Non-contact materials –

- 304 stainless steel

FEED RATES:

- 100 Series – .000017 - .5 cubic feet per hour
- 300 Series – .000168 - 3.69 cubic feet per hour
- 600 Series – .0008 - 48 cubic feet per hour
- 900 Series – .1 - 280 cubic feet per hour

HELIX SIZES:

- 100 Series – .125", .25", .38", .50", .75"
- 300 Series – .25", .38", .50", .75", 1.00"
- 600 Series – .50", .75", 1.00", 1.38", 1.75", 2.25"
- 900 Series – 2.25", 3", 4"

VINYL HOPPER CAPACITY:

- 100 Series – .1 cubic feet
- 300 Series – .33 cubic feet
- 600 Series – .9 cubic feet
- 900 Series – 2.65 cubic feet

HOPPER EXTENSIONS:

- 100 Series – .25 cubic feet
- 300 Series – 1 cubic feet
- 600 Series – 2.5, 5, 10, 20, 50 cubic feet
- 900 Series – 5, 10, 15, 20, 50 cubic feet (other sizes also available)

**For more information, please contact us at
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Web site: www.accuratefeeders.com**

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TUF-FLEX™ SERIES FEEDERS

SPECIFICATIONS

ELECTRICAL REQUIREMENTS:

- 100 Series – 110 VAC (220 VAC optional)
50/60 Hz, single phase
- 300 Series – 110 VAC (220 VAC optional)
50/60 Hz, single phase
- 600 Series – 110 VAC (220 VAC optional)
50/60 Hz, single phase
- 900 Series – 220 VAC (110 VAC optional)
50/60 Hz, single phase

STANDARD CONTROL: *(Optional range of controls available)*

- 100 Series – SCR control, 20:1 speed range,
adjustable current limit
- 300 Series – SCR control, 50:1 speed range,
adjustable current limit, UL recognition,
touchpad potentiometer
- 600 Series – SCR control, 50:1 speed range,
adjustable current limit, UL recognition,
touchpad potentiometer
- 900 Series – SCR control, 50:1 speed range,
adjustable current limit, UL recognition,
touchpad potentiometer

MOTOR SPECIFICATIONS:

- 100 Series – 1/60 HP, 24 volt DC, 45 RPM,
shaded pole
- 300 Series – 1/8 HP, 90 volt DC, 1750 RPM,
TENV, PM
- 600 Series – 1/4 HP (up to 1/2 HP optional),
90 volt DC, 1750 RPM, TENV, PM
- 900 Series – 3/4 HP (up to 1-1/2 HP optional),
180 volt DC, 1750 RPM, TEFC, PM

NOTE: Laboratory testing to determine specific material feeding accuracy is recommended and available from SCHENCK AccuRate.

APPLICATIONS:



TABLET COATING

AccuRate® screw feeders are routinely used to meter the powdered materials for coating beads and tablets. AccuRate® DEA weighfeeders are used to meter the tablets themselves in coating processes.



SIZE REDUCTION

Our volumetric and gravimetric feeders routinely meter materials into jet mills used to do fine grinding. By accurately and consistently charging the jet mill, the milling process and particle size uniformity are optimized.

Ask about our other sanitary products, which includes the MECHATRON® 3-A feeder, SolidsFlow® Louvered Vibratory feeder, and the DEA Open Frame weighbelt. You will find that we offer a wide range of bulk solids metering equipment that meets the many needs of pharmaceutical processing applications.