



## International #425



This **all-fiber** (airlock) unit is preferred as an economical machine by the **small professional contractor** or **do-it-yourself/rental** market for all applications of all fibers. Designed for low maintenance and high production, the #425 provides large hopper capacity while offering simple rugged performance.

### MATERIAL PRODUCTION RATE

lbs/hr (kg/hr) rating with 100ft. (30.5m.) of 2 1/2" (6.4cm.) hose at 10ft. (3.1m.) elevation

MATERIAL	MACHINE w/single 3-stage blower lbs/hr (kg/hr)
FIBERGLASS	300 (136)
CELLULOSE	1200 (545)

Product density and variable blowing conditions will affect production rate. One 3-stage, 5.5 amp blower recommended for maximum performance.

230 volt/50 hz

### FEATURES AND BENEFITS

#### Mechanical

- Extended hopper with collapsible loading tray.
- Safety guards provide operator safety.
- Modular component design for quick disassembly/reassembly allow easy troubleshooting and maintenance.
- Removable hopper for quick and easy access to the airlock.
- Dual (2) steel agitators enhance the conditioning of fibers.
- 1/2hp Totally Enclosed Fan Cooled Gear Motor (470 in/lb.torque) for long life.
- Extra heavy, nickel plated #40 chain with hardened steel sprockets provides a corrosion/abrasion resistant drive system.
- Improved blower filter design reduces filter maintenance.

#### Electrical

- Operator safety/Hazard response features: pre-alarm buzzer, main disconnect/power interruption shutdown, emergency kill switch manual override at machine.
- 100ft. (30m.) remote control cord with 3 position switch give increased operator control of feed and blower.
- Overload protection on transformer and all motors providing complete protection of electrical components.
- Deluxe voltmeter to monitor incoming power.
- Multiple auxiliary convenience outlets for easy addition of accessory devices (i.e. IWS, wireless, pump systems).

#### WEIGHT

225 lbs. (102 kg.)

#### AIRLOCK

14" x 8" diameter (35.6 cm. x 20.3 cm. diameter)  
2 1/2" (6.4 cm.) outlet for blowing hose

#### BLOWERS/SIZES

5.5 amp/3-stage (230 volt)

#### DIMENSIONS

36"W x 21"D x 57"H  
(91cm. W x 53cm. D x 145cm. H)

#### POWER REQUIREMENT

Single input, 230 volt/50 hz

#### HOPPER CAPACITY

10.3 cu. ft. (.29 m<sup>3</sup>)



## SPECIFICATIONS

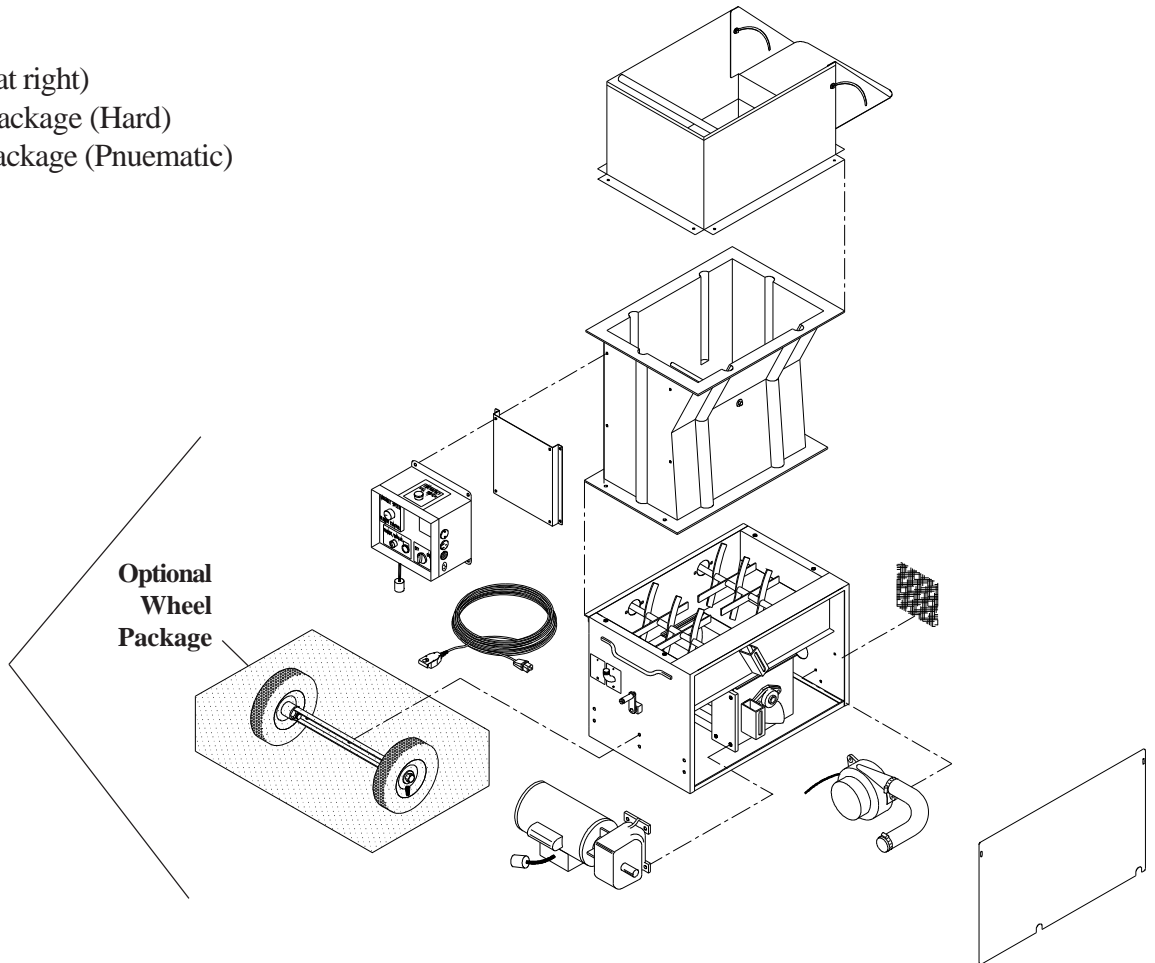
BLOWER	AIRLOCK PRESSURE P.S.I.	BLOWER RATING C.F.M	BLOWER AMPERAGE
SINGLE 3-STAGE	3.3	87	5.5

AGITATOR AMPERAGE
3.8

**AVAILABLE:** (See diagram at right)

- 6" (15.3 cm.) two wheel package (Hard)
- 9" (22.9 cm.) two wheel package (Pneumatic)

**Modular components for easy replacement or repair.**



### ALL-FIBER MACHINE - THEORY OF OPERATION

(See diagram at right)

This unit is designed to accept all fiber materials into the hopper area of the machine, passing through a multi-step agitation system and dropping into the rotating airlock feeder. The airlock feeder has a crankgate control providing precision feeding of fiber for open blowing, sidewall blowing, and spray-on applications. Fiber is then rotated to bottom of airlock where air from the blower motor pushes fiber from the rotating chambers through the hose. Material and air is prevented from escaping into the machine while in the airlock by six rubber seals which conform to the airlock inner wall as the chambers revolve. The blower motor (single 3-stage, 5.5 amp) is a high speed unit with low amperage designed to blow air. (Fiber **does not** pass through the blower fan chamber.)

**Note:** All-fiber/airlock machines provide slightly less coverage than thru-blower machines. Airlock machines cannot duplicate the high speed (13,000 r.p.m.) conditioning effect of fiber passing through the blower. Airlock machines blow the fiber closer to settled density which eliminates the need for overblowing material to compensate for progressive settling.

