

Determining capacity requirements

Material density, pipeline design and pipeline length all must be considered to determine the TFC equipment required to meet your needs. At Trans-Flo, we'll help you to choose the right components and to design your

material handling system. The information on this page is simply intended to give you an idea of the options available.

One of the major factors you need to determine is the density of your material. Some typical densities are listed in the table at right.

Typical Densities (pounds per cubic foot)

ABS pellets	34.7
Cement	96.0
Clay kaolin	74.1
Diatomaceous earth	14.4
Fertilizer #2	75.8
Fly ash	76.2
Nylon pellets	47.3
Polystyrene beads	40.6

Pneumatic unloader

- 30, 40 and 60 hp, 230/460 volt, 60 Hertz, 3 phase T.E.F.C. motor
- Dry, replaceable intake filter
- Mounted on steel reinforced base
- Pressure relief valve for overload protection
- Check valve
- Kam Lock hose connector with dust cap

Unloader Capacities

Motor size (hp)	Air flow (cfm)	Air pressure (psi)
30	350	12
40	350	15
60	550	15



Transfer system

A complete transfer system consists of Feeder (Model 1000 or Model 2000), a MotorBlower (sized to meet your requirements), a Power Panel, and the following standard equipment: two bin signals (one high, one low), pressure gauge, SilT-Pak with high temperature hose and clamps, safety valve and check valve. Seven models are available (see chart below).

Feeder

- Model 1000—4" inlet/outlet
 - Model 2000—4" to 6" inlet/outlet
 - Five vane design, with replaceable vane wear tips
 - Industrial hard chrome plating inside cylinder and both end bells
 - Sliding Max-Flo control gate
 - 1½ hp motor
 - 19.7 rpm operation
 - Height: 27½"
 - Width: 27"
 - Length: 38"
- * Model 2000 same dimensions except width

Motor/Blower

- 10 hp—175 cfm—12 psi
- 20 hp—250 cfm—12 psi
- 30 hp—350 cfm—12 psi
- 40 hp—350 cfm—15 psi
- 60 hp—550 cfm—15 psi

Power Panel

- Manual push button controls
- Automatic sequencing
- Motor fuses and overload heaters
- NEMA 12 weather-proof cabinet
- Main fused disconnect

Optional equipment

- Sweeping elbows
- Centrifugal discharge terminal
- Silencer-Pak
- TFC quick-pipe connectors

Transfer systems

Model number	Motor Blower HP	Air flow (cfm)	Air pressure (psi)
1100-ER-A*	10	175	12
1200-ER-A*	20	250	12
1300-ER-A*	30	350	12
1400-ER-A*	40	350	15
2450-ER-A**	40	440	12
2500-ER-A**	50	440	15
2600-ER-A**	60	550	15

* Equipped with Model 1000 Feeder

** Equipped with Model 2000 Feeder

Inside of feeder showing industrial hard chrome plating

