



Convey at maximum density

Dynamic Air Transporters are designed to accept a batch material and only the required amount of air pressure to force it into the conveying line at maximum density. Economical use of compressed air ensures maximum density and a more controlled velocity throughout the conveying line.

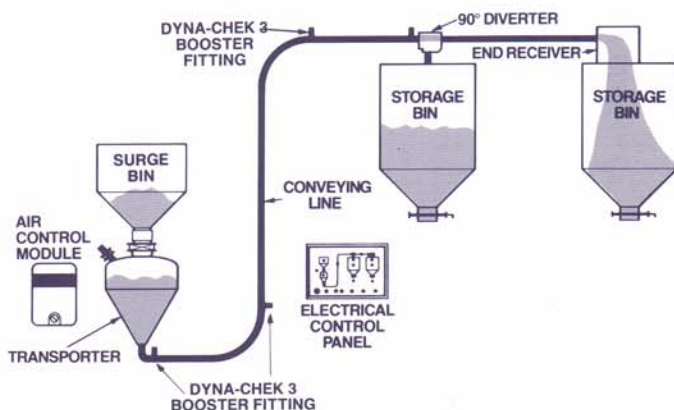
Convey at maximum efficiency

To obtain maximum efficiency and reduce wear, use the largest transporter that suits your application. This improves the material to air ratio over any given distance, since there is less purging of the conveying line with fewer cycles. The conveying rate also improves because of better conveying line utilization.

Features

- Rotatable outlet
- Quiet operation
- Designed for full cleanout
- Low maintenance
- Few moving parts
- Designed to A.S.M.E.
- Heavy duty construction
- Position sensors standard
- Custom options available

Typical application

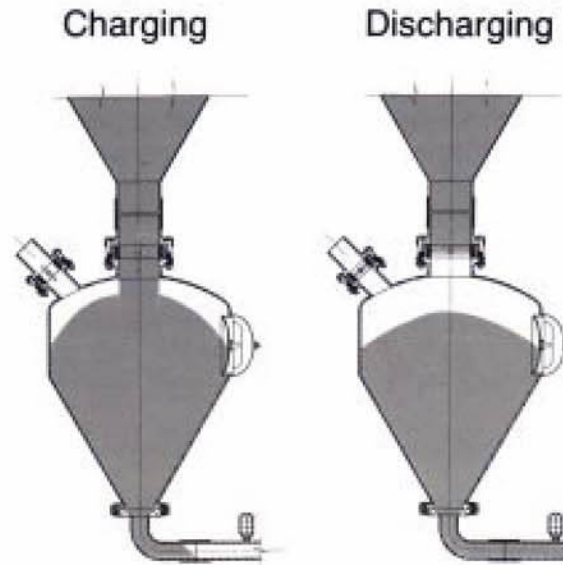


Transporters will convey

- | | | |
|---------------------|---------------|------------------|
| ■ Alumina | ■ Cement | ■ Silica sand |
| ■ Ball clay | ■ Feldspar | ■ Soda ash |
| ■ Barite | ■ Fine coal | ■ Sodium sulfate |
| ■ Bauxite | ■ Fluorspar | ■ Sugar |
| ■ Bentonite | ■ Fly ash | ■ Talc |
| ■ Borax | ■ Kaolin clay | ■ And more |
| ■ Calcium carbonate | ■ Lime | |
| | ■ Quartz | |

How the transporter works

To initiate the filling cycle, the transporter inlet valve and vent valve open, allowing material to fill the transporter and the vent air to escape for efficient filling. When the fill cycle is complete, both the inlet and vent valves close. Position sensors verify valve closing. The transporter is then pressurized, forcing the material into the conveying line at maximum density and efficiency. When the conveying cycle is completed, the air pressure decreases and the air supply is automatically turned off. The transporter is then ready to begin another cycle.



Dimensions and specifications

Models A, B, C and D

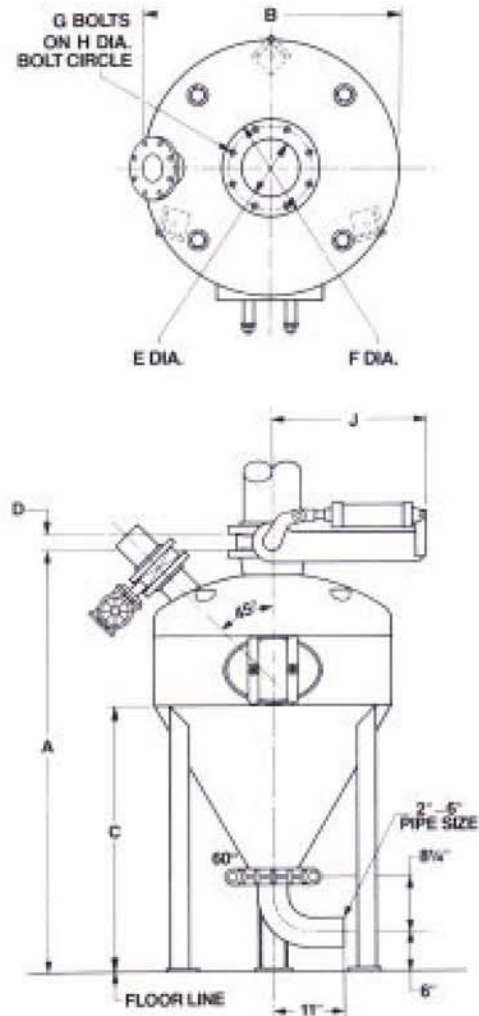
Transporter Dimensions

MODEL	CAPACITY IN CUBIC FEET	A	B	C	APPROXIMATE SHR WT. (LBS.)
A-30	3	3'-9-1/2"	24" DIA.	30-1/8"	565
A-40	4	4'-1-1/2"	24" DIA.	30-1/8"	592
A-50	5	4'-5-1/2"	24" DIA.	30-1/8"	619
A-60	6	4'-9-1/2"	24" DIA.	30-1/8"	646
B-75	7.5	4'-11"	3'-0" DIA.	3'-4-3/4"	952
B-100	10	5'-4"	3'-0" DIA.	3'-4-3/4"	1024
C-150	15	5'-9-1/2"	3'-6" DIA.	3'-9-7/8"	1571
C-200	20	6'-5-1/2"	3'-6" DIA.	3'-9-7/8"	1687
C-250	25	7'-1-1/2"	3'-6" DIA.	3'-9-7/8"	1803
C-300	30	7'-9-1/2"	3'-6" DIA.	3'-9-7/8"	1919
C-350	35	8'-5-1/2"	3'-6" DIA.	3'-9-7/8"	2035
C-400	40	9'-1-1/2"	3'-6" DIA.	3'-9-7/8"	2151
D-500	50	9'-6"	4'-6" DIA.	4'-8"	2762
D-550	55	9'-10"	4'-6" DIA.	4'-8"	2847
D-600	60	10'-2"	4'-6" DIA.	4'-8"	2932
D-650	65	10'-6"	4'-6" DIA.	4'-8"	3017
D-700	70	10'-10"	4'-6" DIA.	4'-8"	3102
D-750	75	11'-2"	4'-6" DIA.	4'-8"	3187
D-800	80	11'-6"	4'-6" DIA.	4'-8"	3272
D-850	85	11'-10"	4'-6" DIA.	4'-8"	3357
D-900	90	12'-2"	4'-6" DIA.	4'-8"	3442
D-950	95	12'-6"	4'-6" DIA.	4'-8"	3527
D-1000	100	12'-10"	4'-6" DIA.	4'-8"	3612

Transporter Inlet Dimensions

NOMINAL SIZE	D	E	F	G	H	J
6"	2-1/8"	6"	11"	8	9-1/2"	17-7/8"
8"	2-1/2"	8"	13-1/2"	8	11-3/4"	23-1/4"
10"	2-1/2"	10"	16"	12	14-1/4"	23-1/4"
12"	3"	12"	18"	12	17"	23-1/4"
14"	3"	13-1/4"	21"	12	18-3/4"	23-1/4"
16"	4"	15-1/4"	23-1/2"	16	21-1/4"	35-1/4"
18"	4-1/4"	17-1/4"	25"	16	22-3/4"	35-1/4"
24"	6"	23-1/4"	32"	20	29-1/2"	46"

Specifications subject to change without notice.



Construction features

Standard Series Transporters are designed to handle free-flowing, dry, granular materials. Uniform pressure exerted from the top of the transporter gently forces material into the conveying line at maximum density and efficiency.

Standard Series Transporters have an outlet that can be rotated 360° to any position. This flexibility simplifies installation of both transporter and conveying line. The full flow outlet is designed to eliminate material build-up and prevent cross-contamination of material.

Standard Series Transporters are equipped with air operated inlet valves and vent valves in various sizes to provide optimum fill time and ensure positive sealing under the most severe applications. Dynamic Air can provide any model in a style to meet most needs. Standard capacities range from 3 to 100 cubic feet, and larger sizes are available on request. All are constructed to A.S.M.E. and National Board specifications, and are complete with manhole for ease of inspection and maintenance.

Dimensions and specifications

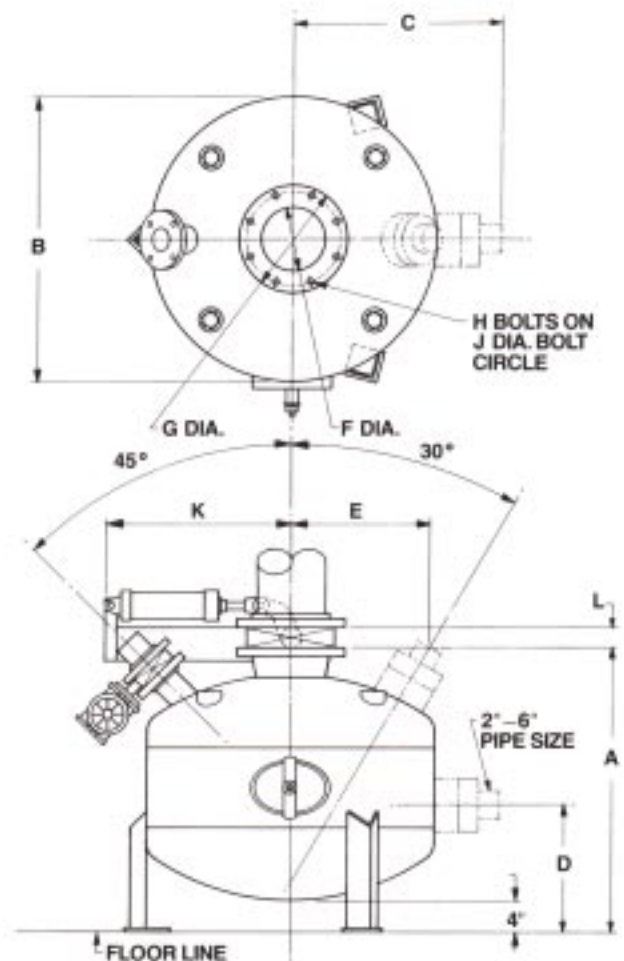
Models E, F and G

Transporter Dimensions

MODEL	CAPACITY IN CUBIC FEET	A	B	C	D	E	APPROXIMATE SHIP WT. (LBS.)
E50	5	30"	36" DIA.	26"	16"	17 1/2"	823
E75	7.5	33"	36" DIA.	26"	16"	17 1/2"	853
E100	10	36"	36" DIA.	26"	16"	17 1/2"	883
E150	15	3'-9"	36" DIA.	26"	16"	17 1/2"	913
E200	20	4'-6"	36" DIA.	26"	16"	17 1/2"	973
E250	25	5'-3"	36" DIA.	26"	16"	17 1/2"	1163
E300	30	6'-0"	36" DIA.	26"	16"	17 1/2"	1383
E350	35	6'-9"	36" DIA.	26"	16"	17 1/2"	1633
E400	40	7'-6"	36" DIA.	26"	16"	17 1/2"	1913
F300	30	5'-2"	48" DIA.	34"	19"	23"	1979
F350	35	5'-7"	48" DIA.	34"	19"	23"	2072
F400	40	6'-0"	48" DIA.	34"	19"	23"	2165
F500	50	6'-10"	48" DIA.	34"	19"	23"	2352
F600	60	7'-8"	48" DIA.	34"	19"	23"	2539
F700	70	8'-6"	48" DIA.	34"	19"	23"	2726
F800	80	9'-4"	48" DIA.	34"	19"	23"	2913
F900	90	10'-2"	48" DIA.	34"	19"	23"	3100
F1000	100	11'-0"	48" DIA.	34"	19"	23"	3287
G300	30	4'-9"	60" DIA.	37"	21"	28"	2207
G350	35	5'-0"	60" DIA.	37"	21"	28"	2227
G400	40	5'-3"	60" DIA.	37"	21"	28"	2347
G500	50	5'-9"	60" DIA.	37"	21"	28"	2487
G600	60	6'-3"	60" DIA.	37"	21"	28"	2627
G700	70	6'-9"	60" DIA.	37"	21"	28"	2767
G800	80	7'-3"	60" DIA.	37"	21"	28"	2907
G900	90	7'-9"	60" DIA.	37"	21"	28"	3047
G1000	100	8'-3"	60" DIA.	37"	21"	28"	3187

Transporter Inlet Dimensions

NOMINAL SIZE	F	G	H	J	K	L
6"	6"	11"	8	9-1/2"	17-7/8"	2-1/8"
8"	8"	13-1/2"	8	11-3/4"	23-1/4"	2-1/2"
10"	10"	16"	12	14-1/4"	23-1/4"	2-1/2"
12"	12"	19"	12	17"	23-1/4"	3"
14"	13-1/4"	21"	12	18-3/4"	23-1/4"	3"
16"	15-1/4"	23-1/2"	16	21-1/4"	35-1/4"	4"
18"	17-1/4"	25"	16	22-3/4"	35-1/4"	4-1/4"
24"	23-1/4"	32"	20	29-1/2"	46"	6"



Optional construction features

Transporters are available in stainless steel for food or pharmaceutical applications.

Optional aeration jets

Aeration jets are designed for cohesive or hard to handle materials that tend to cling to the sidewalls of the transporter. Aeration jets, easily replaceable from the outside of the transporter, free the material and maintain an even flow into the conveying line.

Dimensions and specifications

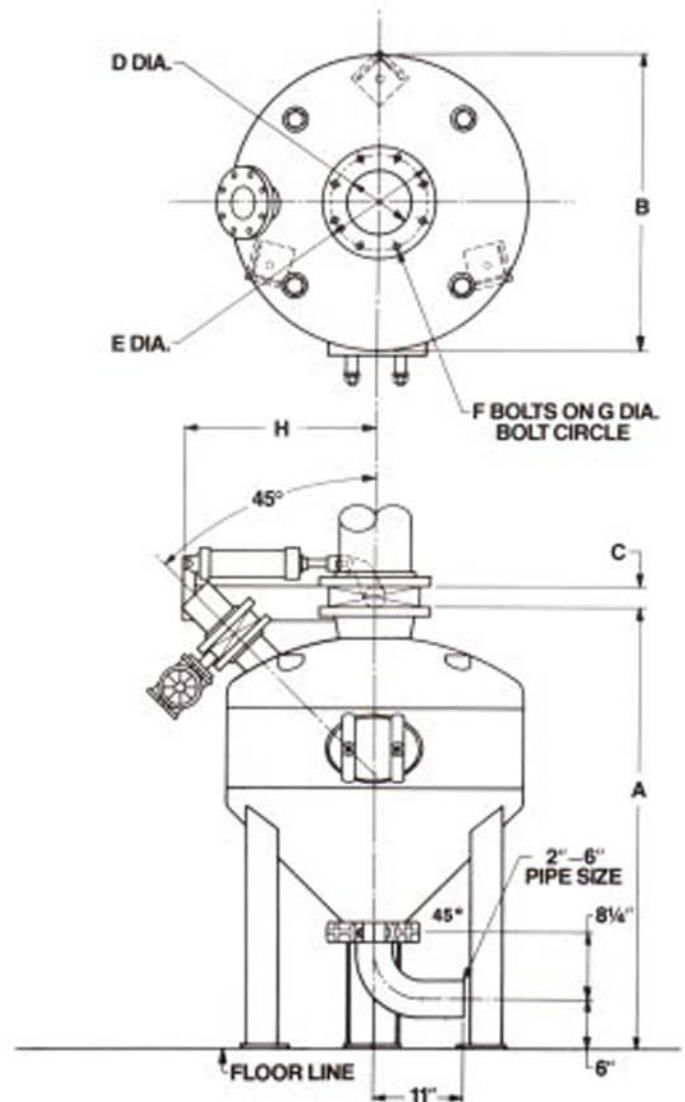
Models ET, FT and GT

Transporter Dimensions

MODEL	CAPACITY IN CUBIC FEET	A	B	APPROXIMATE SHIP WT. (LBS.)
ET-50	5	4'-1"	36" DIA.	831
ET-75	7.5	4'-4"	36" DIA.	871
ET-100	10	4'-7"	36" DIA.	901
ET-150	15	5'-4"	36" DIA.	991
ET-200	20	6'-1"	36" DIA.	1081
ET-250	25	6'-10"	36" DIA.	1171
ET-300	30	7'-7"	36" DIA.	1261
ET-350	35	8'-4"	36" DIA.	1351
ET-400	40	9'-1"	36" DIA.	1441
FT-300	30	6'-10"	48" DIA.	1795
FT-350	35	7'-3"	48" DIA.	1888
FT-400	40	7'-8"	48" DIA.	1981
FT-500	50	8'-6"	48" DIA.	2168
FT-600	60	9'-4"	48" DIA.	2355
FT-700	70	10'-2"	48" DIA.	2542
FT-800	80	11'-0"	48" DIA.	2729
GT-300	30	6'-1"	60" DIA.	2156
GT-350	35	6'-4"	60" DIA.	2228
GT-400	40	6'-7"	60" DIA.	2298
GT-500	50	7'-1"	60" DIA.	2436
GT-600	60	7'-7"	60" DIA.	2576
GT-700	70	8'-1"	60" DIA.	2716
GT-800	80	8'-7"	60" DIA.	2857
GT-900	90	9'-1"	60" DIA.	2997
GT-1000	100	9'-7"	60" DIA.	3137

Transporter Inlet Dimensions

NOMINAL SIZE	C	D	E	F	G	H
6"	2-1/8"	6"	11"	8"	9-1/2"	17-7/8"
8"	2-1/2"	8"	13-1/2"	8"	11-3/4"	23-1/4"
10"	2-1/2"	10"	16"	12"	14-1/4"	23-1/4"
12"	3"	12"	19"	12"	17"	23-1/4"
14"	3"	13-1/4"	21"	12"	18-3/4"	23-1/4"
16"	4"	15-1/4"	23-1/2"	16"	21-1/4"	35-1/4"
18"	4-1/4"	17-1/4"	25"	16"	22-3/4"	35-1/4"
24"	6"	23-1/4"	32"	20"	29-1/2"	46"



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