



Higher performance

Dynamic Air transporters are designed to hold a specific volume of material which needs to be conveyed. They are sized to maximize system performance with regard to distance, rate and transport cycles per hour. The Dynamic Air transporters allow a positive pressure to be introduced so that it can push material into the conveying line at higher conveying pressures to achieve higher performance and capability.

Maximum efficiency

Special air injection nozzles, complete with volume and pressure control, allow only the appropriate amount of compressed air to be added to the transporter as needed. They are designed to create a more controlled and effective discharge at the best possible material-to-air ratio for maximum efficiency and reliability.

Construction features

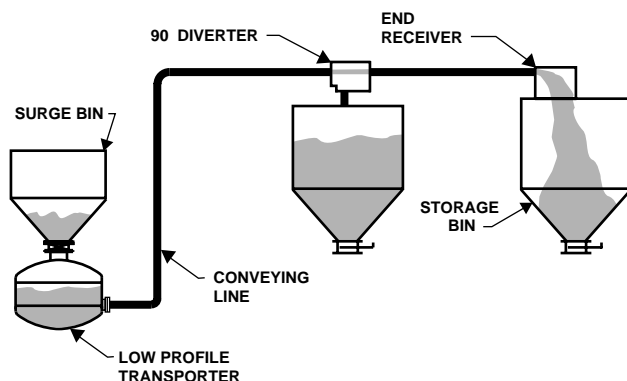
All Dynamic Air Model E, F and G transporters have a low profile bottom for applications where headroom must be minimized. Since the Model E, F and G transporters do not clean out completely, a certain amount of residual material is always left behind. They should be utilized on only those applications where the same material is conveyed or where cross-contamination is tolerable when different materials are conveyed.

Dynamic Air can provide any model in a style to meet most needs. Standard capacities range from 3 to 100 cubic feet. Larger sizes are available upon request.

Heavy-duty valves

The heavy-duty inlet, outlet and vent valves are air operated and designed for abrasive service. Various types are available for handling a wide variety of materials at temperatures up to 850° Fahrenheit. They are sized to minimize filling time and provide a positive high pressure seal during conveying.

Typical application



Features

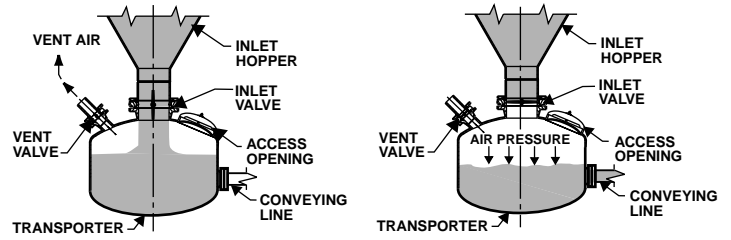
- Low profile
- Air injection nozzles
- Air operated valves
- A.S.M.E. construction
- Low maintenance
- Few moving parts
- Quiet operation
- Heavy-duty construction

How the Dynamic Air transporter works

The Dynamic Air transporters are designed to handle free-flowing and/or dry granular materials. Uniform pressure exerted from the top of the transporter gently forces material into the conveying line at the highest possible density to create the best possible efficiency.

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. Sensors verify the inlet valve position. The transporter is then pressurized using compressed air or an inert gas, forcing the material into the conveying line at a high density and high efficiency.

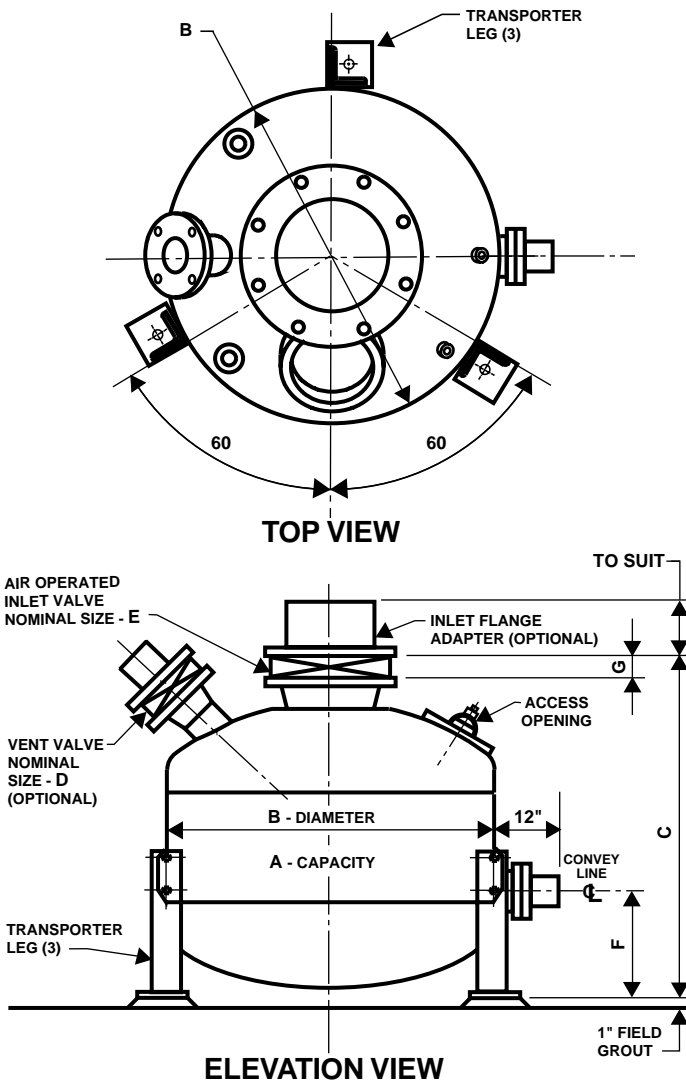
When the conveying cycle is completed, the air pressure decreases and the air supply is automatically turned off. The transporter is then ready to begin another cycle.



Filling Cycle

Conveying Cycle

Dimensions and specifications



MODEL	CAPACITY	TRANSPORTER DIMENSIONS (inches and mm*)						APPROX. SHIPPING WEIGHT
		A	B	C	D	E	F	
E-50	5 cu. ft.	36	36	3	8	15	2-1/2	564 lbs.
	142 liter	914	914	76	200	381	64	256 kg
E-75	7.5 cu. ft.	36	40-1/2	3	8	15	2-1/2	621 lbs.
	212 liter	914	1029	76	200	381	64	282 kg
E-100	10 cu. ft.	36	44-1/2	3	10	15	2-1/2	684 lbs.
	283 liter	914	1130	76	250	381	64	310 kg
E-200	20 cu. ft.	36	61-1/2	3	10	15	2-1/2	899 lbs.
	566 liter	914	1562	76	250	381	64	408 kg
E-300	30 cu. ft.	36	78-1/2	3	10	15	2-1/2	1113 lbs.
	850 liter	914	1994	76	250	381	64	505 kg
E-400	40 cu. ft.	36	96-1/2	3	12	15	3	1364 lbs.
	1133 liter	914	2451	76	300	381	76	619 kg
F-300	30 cu. ft.	48	61-1/2	3	10	15	2-1/2	1221 lbs.
	850 liter	1219	1562	76	250	381	64	554 kg
F-400	40 cu. ft.	48	72	3	12	15	3	1407 lbs.
	1133 liter	1219	1829	76	300	381	76	638 kg
F-500	50 cu. ft.	48	81-1/2	3	12	15	3	1567 lbs.
	1416 liter	1219	2070	76	300	381	76	711 kg
F-600	60 cu. ft.	48	91	4	12	15	3	1736 lbs.
	1699 liter	1219	2311	100	300	381	76	787 kg
F-700	70 cu. ft.	48	100-1/2	4	12	15	3	1896 lbs.
	1982 liter	1219	2553	100	300	381	76	860 kg
F-800	80 cu. ft.	48	110-1/2	4	12	15	3	2065 lbs.
	2265 liter	1219	2807	100	300	381	76	937 kg
F-900	90 cu. ft.	48	120	4	12	15	3	2225 lbs.
	2549 liter	1219	3048	100	300	381	76	1009 kg
F-1000	100 cu. ft.	48	131	4	16	15	4	2441 lbs.
	2832 liter	1219	3327	100	400	381	102	1107 kg
G-300	30 cu. ft.	60	56-1/2	3	10	15	2-1/2	1408 lbs.
	850 liter	1524	1435	76	250	381	64	639 kg
G-400	40 cu. ft.	60	64	3	12	15	3	1590 lbs.
	1133 liter	1524	1626	76	300	381	76	721 kg
G-500	50 cu. ft.	60	70	3	12	15	3	1716 lbs.
	1416 liter	1524	1778	76	300	381	76	778 kg
G-600	60 cu. ft.	60	76	4	12	15	3	1852 lbs.
	1699 liter	1524	1930	100	300	381	76	840 kg
G-700	70 cu. ft.	60	82	4	12	15	3	1978 lbs.
	1982 liter	1524	2083	100	300	381	76	897 kg
G-800	80 cu. ft.	60	88	4	12	15	3	2105 lbs.
	2265 liter	1524	2235	100	300	381	76	955 kg
G-900	90 cu. ft.	60	94-1/2	4	12	15	3	2241 lbs.
	2549 liter	1524	2400	100	300	381	76	1017 kg
G-1000	100 cu. ft.	60	102	4	16	15	4	2415 lbs.
	2832 liter	1524	2591	100	400	381	102	1095 kg

* inches mm Specifications subject to change without notice.