



David
Manufacturing Co.

Trans-Fer

MAKING PRODUCTS AS RELIABLE AS THE PEOPLE WHO USE THEM.

Efficient
Reliable
Accurate



Grain Conveying Air Systems

Trans-Fer

Grain Conveying Air Systems

The DMC Trans-Fer[®]

Pneumatic Conveying System is a logical, timely combination of current technology and natural air flow providing a modern method of moving grain.

The systems are the perfect companion for any new or existing grain drying and storage facilities. Grain is moved through conveying tubes on a cushion of air, minimizing grain damage and maximizing efficiency and convenience. These systems are easy to install and maintain. Expansion is as easy as laying more pipe.

DMC offers four systems (Trans-fer 700, 1200, 1700, and 2100) with 4 inch, 5 inch and 6 inch piping. We offer a wide range of capacities that will handle the requirements of most operations. The Trans-fer system will supply the necessary capacity to keep up with today's harvesting equipment, minimizing grain damage while retaining the same high quality of grain harvested. The flexibility of these systems allow easy design and application for your present operation or for future expansion.

The DMC Trans-Fer air systems are constructed with industrial quality, heavy duty cast iron rotary airlocks, positive displacement blower units and industrial type air cleaner filters. The standard control center includes amp-meter (for blower motor), adjustable time delay switch which allows the system to clean the tubes before shutdown, and automatic pressure sensing shutdown. All motors are thermally protected. A dryer can be integrated to automatically run with fail safe features. This heavy duty industrial system will provide years of normal service and operation.



The Rotary Air Lock accurately feeds the grain into the system by "locking" pressurized air in the system, avoiding air loss which can reduce capacity. The air lock is constructed of heavy duty cast iron for years of normal service in any operation and features a built-in shear protector to prevent grain damage.

◀ Air lock transition for dryer hook-up.



▲ Twin Drive features dual motors.

The industrial type air cleaner filters clean air into the blower to insure a long life of quality service; the Positive Displacement Blower Unit is powered by an electric motor that easily transfers your grain into storage. Dual motor systems are available.



The Automatic Control Center includes start and stop buttons for rotary air lock and blower unit; amp-meter for the motor; and an adjustable "time delay" switch, allowing the system additional time to clear the tubes before shut-down. The control box is fabricated out of brushed aluminum components and assembled to be equivalent to a Nema 4 enclosure. All controls are mounted "out of the weather" behind the door with a sealed window for control status visibility.

DMC Trans-Fer[®] Systems are:

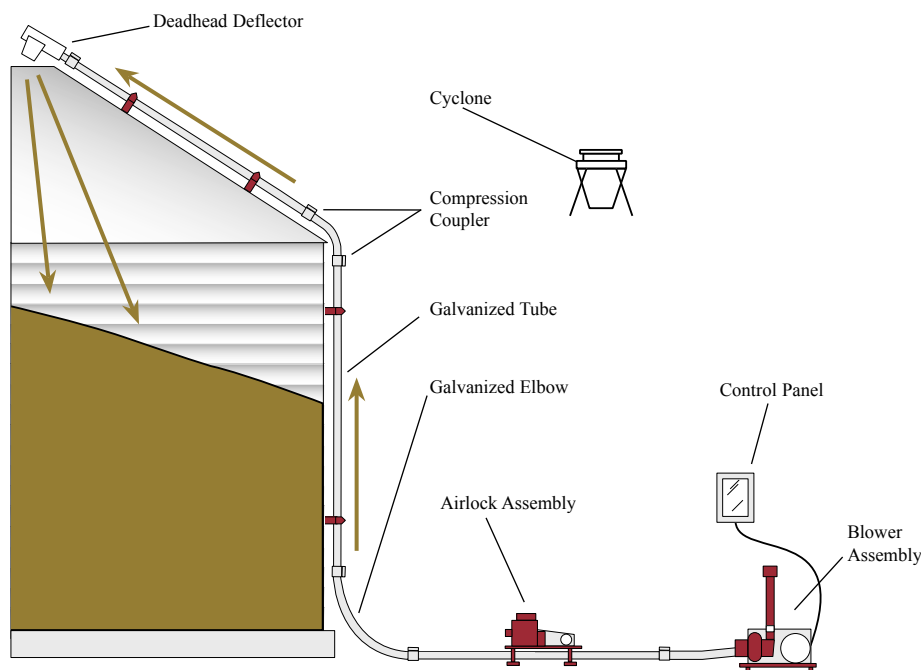
- Convenient - Change bins on the ground. Just move a short hose to the next tube or utilize a CA-Select™ distributor valve.
- Easy Maintenance - No moving heavy augers during busy times or servicing belts and motors high up in the air. System maintenance of all moving parts is done on the ground.
- Dependable - Systems are constructed with industrial quality, heavy duty, cast iron air locks, and positive displacement cast iron blower units with industrial air cleaners. These heavy duty industrial systems provide years of normal service.
- Simple - Blower and airlock come on two convenient preassembled skids. Tubing and accessories are designed for easy and efficient installation.
- Automatic - Control Center includes amp-meter for blower motor and adjustable timer delay switch, allowing the system to clean tubes before shut down and automatic pressure sensing shut down. A dryer can be integrated to automatically run with fail safe features.
- Versatile - Choice of 4", 5" and 6" systems and 10 hp to 75 hp blower motor means you can tailor a system to your capacity requirements. Dual motor systems are available in 4" and 5" systems. This allows 20 hp and 30 hp systems to operate where only single phase power is available. Trans-Fer systems work well in simple bin layouts and in complex operations where legs and augers just won't work. As your opera-



Grain Trans-Fer tubes can be assembled for easy system design and application, while allowing expansion for your future needs.

How the Trans-Fer[®] System Works:

The diagram below shows how the DMC Trans-Fer System works to move grain efficiently, minimizing grain damage. The blower sends a flow of clean air through the air lock assembly, where the grain is fed into the system. This allows the grain to be transferred conveniently through the galvanized tubing on a cushion of air.



The Trans-Fer systems are shipped factory assembled with:

- Positive Displacement Blower Unit, with industrial type air cleaner, mounted on a skid.
- Heavy Duty Cast Iron Rotary Airlock, mounted on a skid.
- Wall Mount Automatic Control Center.

Options include a complete line of accessories and choice of blower motor size.

DMC



CA-Select™



Pre-Cleaner



Deadhead



Telescoping Female

Our complete line of accessories and tubing allow for simple and inexpensive installation and expansion for even the most complex bin layouts.

Effect. Length (ft.)	Capacity Chart for 4", 5" and 6" Systems Trans-Fer Capacities (bu/hr)											
	Trans-Fer 700 4" System			Trans-Fer 1200 5" System		Trans-Fer 1700 5" System			Trans-Fer 2100 6" System			
	10 HP	15 HP	20 HP	20 HP	30 HP	20 HP	30 HP	40 HP	40 HP	50 HP	60 HP	75 HP
50	525	800	850	1100	1300	1200	1600	1800	1900	2200	2350	2500
100	500	775	825	1075	1275	1175	1575	1775	1875	2175	2325	2475
150	475	750	800	1050	1250	1150	1550	1750	1850	2150	2300	2450
200	450	700	750	1000	1200	1100	1500	1700	1800	2100	2250	2400
250	400	650	700	925	1125	1025	1400	1600	1700	2000	2150	2300
300	350	575	625	825	1025	925	1275	1450	1550	1850	2000	2150
350	245	475	525	700	900	800	1100	1275	1375	1675	1825	1975
400	200	350	400	550	750	650	900	1050	1150	1450	1600	1750
450			225	350	550	450	650	775	875	1175	1325	1475
500							400	500	500	800	950	1100

Effective length is determined by adding the horizontal length, plus twice the vertical height, and 10 feet for each elbow greater than 45 degrees. Calculate the effective length of inclined systems by adding the horizontal run to twice the vertical rise of the incline.

*Capacities for grains other than dry corn will be less. Consult your DMC dealer for rates. Specifications subject to change without notice.



For more information on DMC's complete line of equipment visit us online at:
www.dmc-davidmanufacturing.com

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