



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

DMC TRANS-FER™

Pneumatic conveying is a logical, timely combination of current technology and natural air flow providing a modern method for 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 and 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 is capable of supplying the necessary capacity to keep up with today's harvesting equipment, while minimizing grain damage to retain 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.

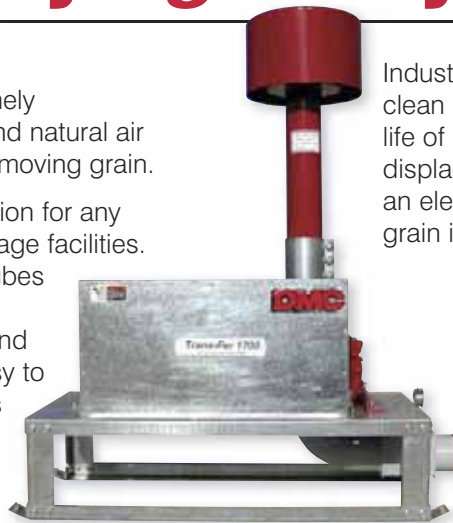
The DMC Trans-Fer™ air systems are constructed with industrial quality, heavy duty cast iron rotary airlocks, positive displacement blower units and industrial type air cleaner filters.

All motors are thermally protected. A dryer can be integrated to automatically run with fail safe features.



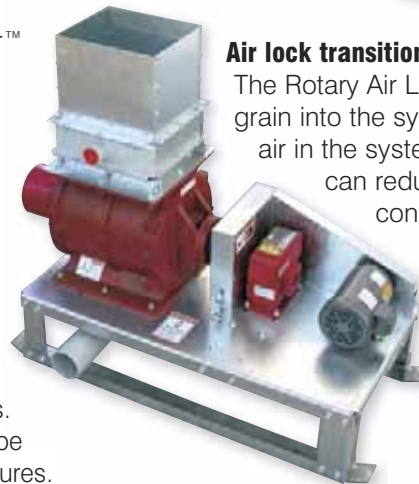
Patent Pending Inline Air Valve.

Allows connection with many bins in a series rather than running individual tubes to each bin. This system reduces ground clutter. Ability to switch bins without shutting down the Air Trans-Fer™ System. Key components made of stainless steel and aluminum for superior corrosion resistance. Powdercoat over galvanized finish for durability against the elements. Optional inlet hopper gives flexibility to load bin with transport auger.



Industrial type air cleaner filters provide clean air into the blower to ensure a long life of reliable operation. The positive displacement blower unit is powered by an electric motor that easily transfers your grain into storage.

Twin Drive features dual motors.



Air lock transition for dryer hook-up.

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 and features a built-in shear protector to prevent grain damage.

DMC Trans-Fer™ 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. UL and UL-C listed panels for certified use in USA and Canada. NEMA 3R rated enclosure with powdercoat finish over galvanized steel for superior resistance to the elements. Full line of 230, 460, and 575 Volt panel offerings. Common Square D components to portable dryers and GSI fans.



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.

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: A 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 operation grows, expansion is as easy as laying more pipe.



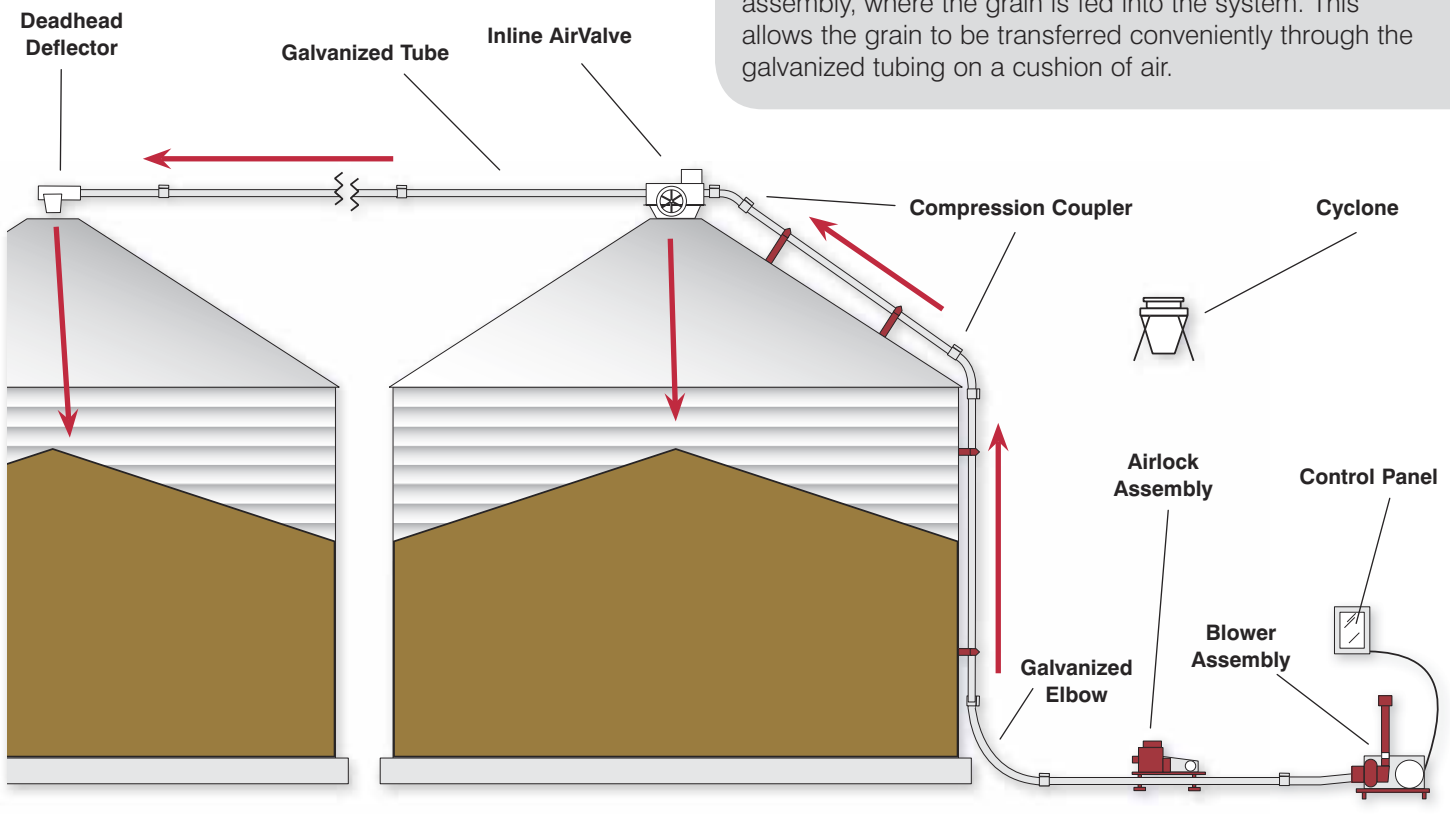
Grain Trans-Fer™ tubes can be assembled for easy system design and application, while allowing expansion for your future needs.

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.

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.



Drying & Managing the Quality of Stored Grain

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



CA-Select™



Telescoping Female



Deadhead

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.

| 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 | 800 | 950 | 1100 |

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



Pre-Cleaner

For more information on DMC equipment visit us at:
www.dmc-davidmanufacturing.com



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