

MERIDIAN



Grain Handler

CONTINUOUS MIX FLOW GRAIN DRYERS





OVER 35 YEARS OF EXPERIENCE

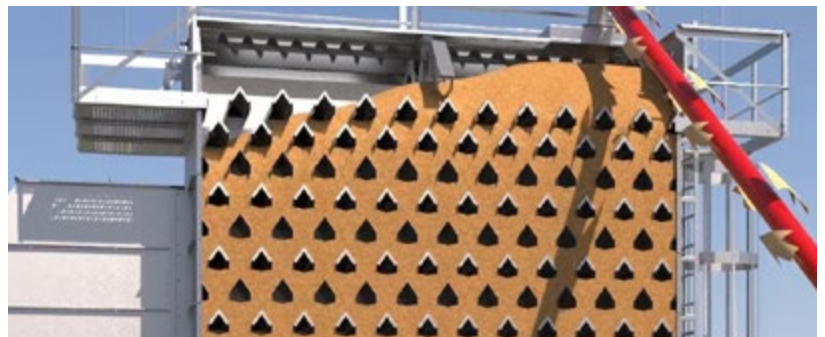
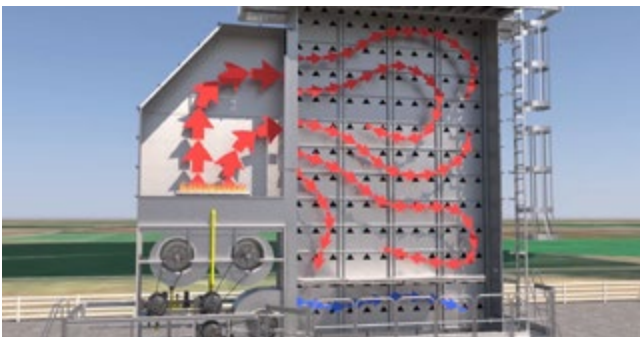
TAKING GRAIN DRYING EFFICIENCY & RELIABILITY TO NEW LEVELS

With design origins in Alberta, Grain Handler Dryers have been proven on the prairies for decades.

The well known performance has given producers the capability of extending their harvest windows and making it possible to take crops off even in higher moisture conditions.

KEY FEATURES

- Lower energy costs and higher retention time in the dryer results in a higher quality and test weight grain.
- Mixed Flow design is capable of drying all types of grains
- Larger holding capacity allows grain to be tempered over a longer period, resulting in less grain stress
- Food grade quality drying of any grain commodity.
- Models range from 400 – 3,600 bushel's per hour drying capacity.
- 40-45 CFM of air per bu. versus 80-100 CFM cross flow screen dryers, means reduced fuel consumption.
- All models are engineered to be easily expanded.
- All models are designed with an enclosed top, which eliminates moisture problems with rain & snow
- Fuel source options available: Propane & Natural Gas
- Low maintenance, no screens to clean.
- 5 year limited warranty on all models.(1 year parts & Labor)
- Grain Handler has produced the only single phase drying system in the industry with up to 1,000 BPH drying capacity.





HEAVY DUTY & EXPANDABLE SIMPLE INSTALLATION & EASY EXPANSION

Grain Handler Dryers are built with heavy gauge steel top to bottom, meaning it will be easy to add an additional tier as your needs grow or budget allows. **By purchasing fans sized for a future expansion, it allows you to be ready for your future without compromising your dryer performance.**

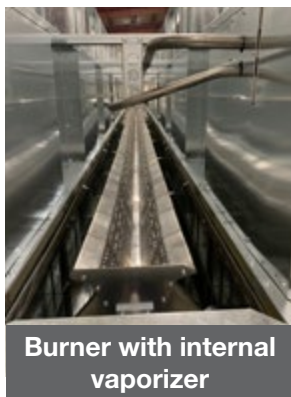


SINGLE BURNER & SINGLE GAS TRAIN SIMPLE YET ADVANCED

- Maxon burner and internal vaporizer are included on all models.
- All models include a double block and bleed gas train that is designed to operate under low gas pressure with maximum safety in mind.



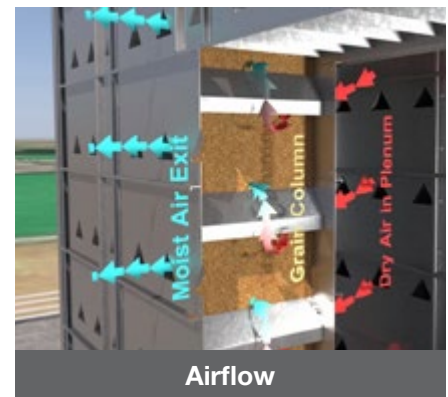
Gas Train



Burner with internal vaporizer



Electric spark ignition



Airflow

SINGLE DRIVE METERING AND DISCHARGE

A state of the art variable frequency drive now controls all 4 metering rolls and the unload drag conveyors. This keeps the drag conveyors running at the speeds required to remove the grain being metered out by the dryer, which in turn maintains the highest level of grain quality.



CONTROL PANEL

Advanced single control panel for automated control of the motors, burner and grain flow throughout the entire system.

- Temperature sensors
- Fully adaptable for moisture controller.
- Equipped with all necessary safety features.



DRYER MASTER MOISTURE CONTROLLER (optional)

- Real-time moisture sensors measuring the grain moisture
- Temperature sensor monitors the drying air temperature.
- Calibration push button to make moisture sensor calibration a snap.
- DM Mobile for remote access on your phone, tablet or PC.



Available 8'-24' Models

MODEL	Total Bushel Holding Capability	BPH Dry/ Cool Canola 5 Points	BPH All Heat Wheat 5 Points	BPH Dry/ Cool Wheat 5 Points	BPH Dry/ Cool Corn 5 Points	BPH Dry/ Cool Corn 10 Points	Burner MBTU Rating	Total Fan HP	Total # of Fans	Leveling Auger Fill Height (feet)	Leveling Drag Fill Height (feet)	Gravity Cone Fill Height (feet)
Drying Temp>		160	170	170	225	225						
808	494	241	446	404	382	249	3.9	13	2	22	22	25
810	587	286	530	481	455	296	4.6	15	2	32	34	34
812	681	332	615	558	528	343	5.4	20	2	36	38	38
816	870	424	786	712	674	438	6.8	30	2	44	46	46
820	1,057	515	954	865	820	533	8.3	45	3	52	54	54
1606	799	390	721	654	619	402	6.3	30	2	24	26	28
1607	893	435	806	731	692	450	7	30	2	26	28	30
1608	987	481	891	808	765	497	7.8	35	2	28	30	32
1610	1,175	573	1,061	962	911	592	9.2	45	3	32	34	36
1612	1,363	665	1,231	1,115	1,056	687	10.7	48	3	34	36	38
1614	1,551	756	1,401	1,269	1,202	781	12.2	48	3	40	42	44
1616	1,739	848	1,570	1,423	1,348	876	13.7	60	3	44	46	48
1618	1,927	940	1,740	1,577	1,493	971	15.2	60	3	48	50	52
1620	2,115	1,031	1,910	1,731	1,639	1,065	16.6	70	3	52	54	56
1622	2,303	1,123	2,080	1,885	1,785	1,160	18.1	75	3	56	58	60
1624	2,491	1,215	2,249	2,039	1,931	1,255	19.6	100	3	60	62	64
1626	2,679	1,306	2,419	2,192	2,076	1,350	21.1	100	3	64	66	68
2410	1,763	860	1,592	1,442	1,366	888	13.9	60	3	32	34	38
2412	2,045	997	1,847	1,673	1,584	1,030	16.1	70	3	36	38	42
2414	2,327	1,135	2,101	1,904	1,803	1,172	18.3	75	3	40	42	46
2416	2,609	1,272	2,356	2,135	2,022	1,314	20.5	90	3	44	46	50
2418	2,891	1,410	2,611	2,366	2,240	1,456	22.7	105	3	48	50	54
2420	3,172	1,547	2,864	2,596	2,459	1,598	24.9	125	3	52	54	58
2422	3,454	1,684	3,119	2,827	2,677	1,740	27.2	150	5	56	58	62
2424	3,736	1,822	3,374	3,058	2,896	1,882	29.4	175	5	60	62	66
2426	4,019	1,960	3,629	3,289	3,114	2,024	31.6	175	5	64	66	70

Capacities listed are wet bushels for the listed commodity and moisture removal. These are estimates based on drying principles, field results and computer simulation. Variances will occur due to grain's physiological factors (kernel size, test weight, chemical composition, variety/hybrid, maturity, excessive fines, adverse weather conditions, relative and ambient air temperatures. Information listed is to be used as a guideline only, Grain Handler does not assume any implied or expressed warranty of listed capacities.

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