

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.

Grain Handler has produced the only single phase drying system in the industry with up to 1,000 BPH drying capacity.

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 at equal rates.
- Larger holding capacity allows grain to be tempered over a longer period, resulting in less stress cracks.
- Food grade quality drying of any grain commodity.
- Models range from 400 – 6,000 bushel's per hour drying capacity.
- 40-45 CFM of air per bu. versus 80-100 CFM on cross flow screen dryers, means less 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)



HEAVY DUTY & EXPANDABLE

SIMPLE INSTALLATION & EASY EXPANSION

Grain Handler Dryers are setup by professionals, and are built heavy enough that you can expand the capacity based on your operation's growing needs.

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.



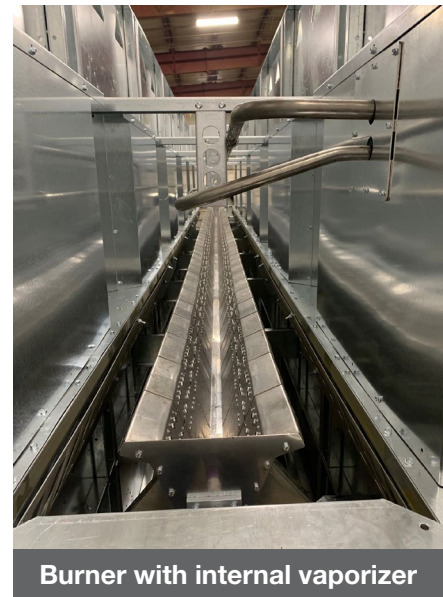
Gas Train



Cooling



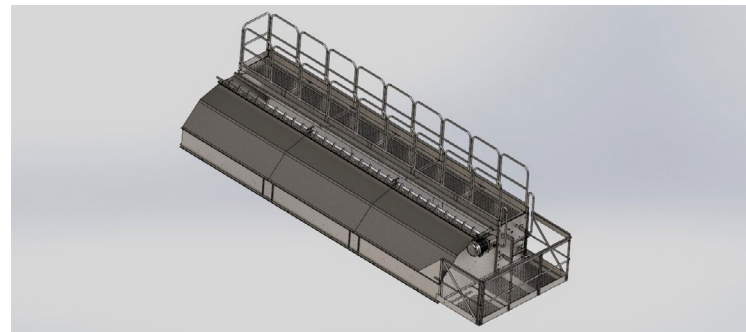
Electric spark ignition



Burner with internal vaporizer

LEVELING FILL TYPES

- Leveling Auger available in 8' thru 24' models
- Level Drag and Scalper
- Drag Leveling Conveyor available in all models
- Gravity "A" Fill



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.

- Fully adaptable to after-market moisture controllers.
- Equipped with all necessary safety features.



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 5 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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Get A Quote: 1 (877) 756-3624

