

Keeping contaminants away to safely and evenly dry commodities even in erratic weather conditions.

GRAINPRO® BUBBLE DRYER™



Features & Advantages

- Faster drying time (in fully sunny conditions) vs. conventional sun drying
- Can be installed on any flat surface, a multi-commodity dryer
- A cheaper option/solution relative to existing mechanical dryers
- Portable and easy to relocate
- Protects commodities during drying to prevent post-harvest losses
- Provides protection against birds, fowls and other animals
- Prevents spillage and contamination with hazardous materials

The GrainPro® Bubble Dryer™ is a tunnel-type dryer which relies on solar radiation or electricity and the correct levels of the relative humidity of the ambient air and moisture content (MC) of the concerned commodity being dried. It is composed of a transparent, UV-resistant polyethylene top cover and a black reinforced PVC drying floor connected by a heavy duty zipper. Through the transparent top cover, solar radiation enters the drying chamber and heats up the agricultural commodity being dried. Moisture is then vaporized and pushed out by the ventilators from the drying chamber. A rake mixer is also provided, which can be used in all types of terrain and a tube mixer (optional mixing device) which provides undulating motion during the mixing operation. The GrainPro® Bubble Dryer™ has two models. One is Solar and Electric. See table below for more details.



GrainPro® Bubble Dryer™ Solar

- Operates using solar energy
- Can be used even with erratic weather conditions/sudden rains. Average drying rate of 0.5% per hour
- Drying time at 6-8 hours with 22-14% moisture content during fully sunny conditions



GrainPro® Bubble Dryer™ Electric

- Operates using electricity
- Can be used even with erratic weather conditions/sudden rains. Average drying rate of 0.5% per hour
- Drying time at 6-8 hours with 22-14% moisture content during fully sunny conditions



ADD ON: The GrainPro® Bubble Dryer Bed™ is an inflatable dryer bed that works perfectly with the GrainPro® Bubble Dryer™. It allows high-moisture commodities to be dried at a faster rate. This is possible through the additional airflow created due to the elevated bottom of the bed. It is made of UV-resistant PE mesh supported by pressurized PU tubes.

APPROXIMATE CAPACITY

Dimensions <small>(L x W, m (ft))</small>	Small (25)	Medium (50)
		15.0 x 2.0 (49.21 x 6.56)
No of bags (25kg)	20	40
No of bags (50kg)	10	20

Disclaimer: The approximate capacity provided above is based upon our computation. Capacity variance based on actual commodity stored will apply.

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