



Gas  
Sampling  
Port



Downspout

**PARTIAL UNLOADING IN BULK  
STORAGE MADE EASY**



# GrainPro® GrainSafe™ Bulk-1.3

**A 1.3-tonne portable patented Ultra-Hermetic™ storage for bagged or loose grains that extends shelf life for more than one year without using chemicals.**

- **Extends shelf life to more than a year without chemicals**

*Ultra-Hermetic™ storage that confines commodities in a gas tight and water tight environment to keep contaminants away.*

- **“Green” technology**

*Certified-for-organic-use that can control and prevent infestation without using chemicals or fumigants.*

- **Instant bulk storage solution**

*For extra indoor / outdoor storage for up to 1.3 metric ton without any construction work at minimal space.*

- **Cost-saving**

*No maintenance cost, no operational cost, no fumigation needed.*

- **Durable materials**

*Made from specially designed polyvinyl chloride (PVC) material that is easy to transport and install, and can last up to 10 years.*

- **Portable, modular, and lightweight**

*Can be installed by 2 persons in platform in less than an hour using user-provided platform.*

- **Easy unloading**

*With downspout for easy partial or full discharge of commodities.*

- **Rodent guard provided**

*For customer's own platform.*

**Also Available:**

**GrainSafe™ Bag-1.0/G-HF** With inlet port for fumigation using carbon dioxide.

**GrainSafe™ Bag-1.0** For storage of bagged commodities for up to 1 metric tonne.

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## How does Ultra-Hermetic™ Technology Work?

Ultra-Hermetic™ technology is a storage system that is sufficiently hermetic to preserve the quality and the quantity of dry agricultural commodities without using chemicals or pesticides. Commodities are confined in an airtight environment to create a low oxygen atmosphere using insect respiration which results in 100% insect mortality of all life stages. To accelerate the natural process, gas (carbon dioxide) is injected.

## COMPONENTS



**RODENT GUARD (4)**

(Platform for product not included)



**ZIPPER PULL**



**WOODEN STRUTS  
AND RUBBER BAND**

## PRODUCT SPECIFICATIONS

PARAMETERS	GS BAG-1.0	GS BAG-1.0/G-HF	GS BULK 1.3
Material	Flexible PVC	Flexible PVC	Flexible PVC
Material Thickness, mm	0.83	0.83	0.83
Color	White	White	White
Dimension, m (LWH)	1.2 x 1.2 x 1.9	1.2 x 1.2 x 1.9	1.2 x 1.2 x 1.9
Capacity, MT**	1	1	1.3
Packed Weight, kg	13	13	16
Useful Life	10 years	10 years	10 years
Oxygen Transmission Rate (OTR), cc/m <sup>2</sup> /day at 0.1 MPa	<500	<500	<500
Water Vapor Transmission Rate (WVTR), g/m <sup>2</sup> /day	8	8	8

Note: For outdoor installation, it is recommended to have a roof or shade installed over the GS to minimize the day-light temperature gradient.

\*\* Quantity based on wheat.

### OTHER GRAINPRO GRAINSAFE PRODUCTS:



**GrainSafe Bag-1.0**



**GrainSafe Bag-1.0/G-HF**

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Worldwide distributors and specifications for the entire product lines are available at [www.grainpro.com](http://www.grainpro.com)

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