

# DuoSphere™ Gasholders

Maximizing your gas storage capabilities



# WESTECH

# DuoSphere™ Dual Membrane Gasholder



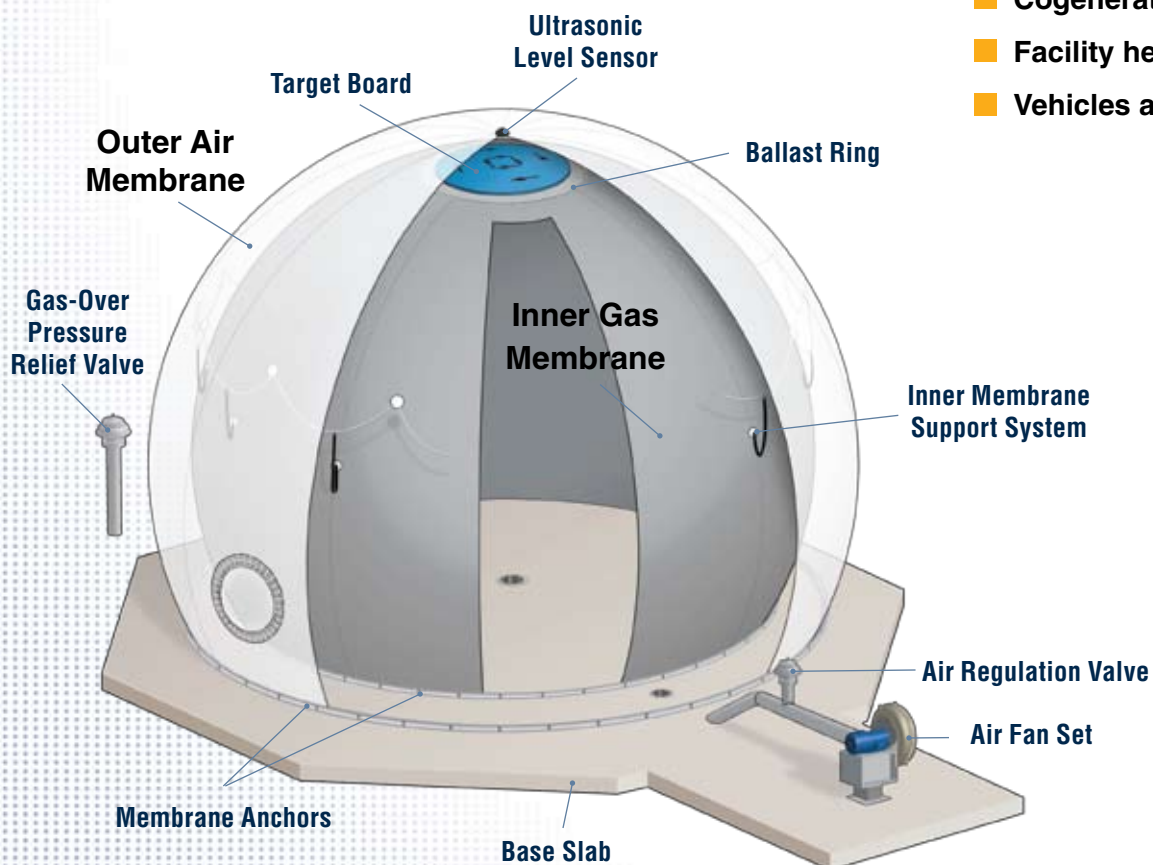
Over the years, WesTech has supplied our customers with anaerobic digestion equipment that has added value to their plant operations. WesTech continues to provide valuable solutions with the DuoSphere™ Dual Membrane Gasholder. The DuoSphere™ offers innovative designs for digester gas storage and alternatives for conventional digester covers. DuoSphere™ gasholder structures are strong, lightweight, and versatile – which gives a preferable choice in biogas storage for your municipal or industrial applications.

DuoSphere™ Gasholder volumes  
from 700 ft<sup>3</sup> to 176,000 ft<sup>3</sup>  
(20 m<sup>3</sup> to 5000 m<sup>3</sup>)

## Getting the Most From Your Biogas

As energy costs grow, facilities are increasingly seeking alternative fuel sources to help power their plant operations. By storing methane contained in the biogas, the DuoSphere™ allows a steady fuel source for a variety of functions.

- Process heating
- Sludge drying
- Cogeneration
- Facility heating
- Vehicles and equipment



## DuoSphere™ Gasholders

Slab-mounted dual membranes provide convenient digester gas storage for your plant operation needs.

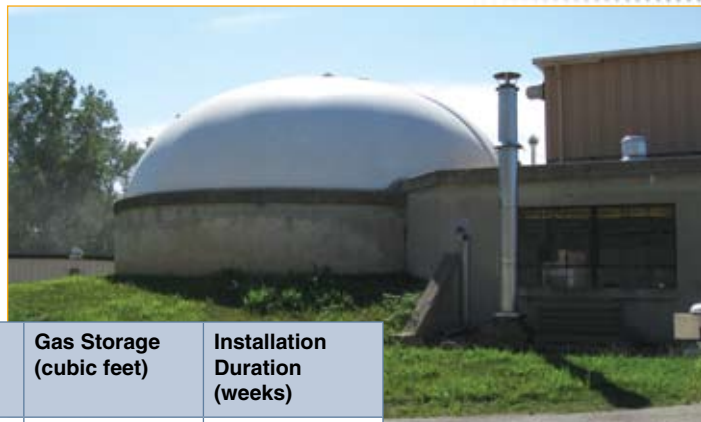
- Simple gas storage capability
- Mounts to flat concrete slab
- Constant pressure regulation
- Inner membrane access
- Custom flow and sizes



## DuoSphere™ Digester Covers

Tank-mounted digester covers provide an innovative and cost-effective solution for new and replacement covers.

- Less capital and installation cost
- Absolute odor containment
- New or existing digesters
- Variable liquid level



95' Digester Cover Comparison	Installed Weight (lbs.)	Gas Storage (cubic feet)	Installation Duration (weeks)
DuoSphere™	75,000	150,000 (above wall)	~3
Steel Gasholder	505,000	33,000	~8-16+

### DuoSphere™ Gasholder

### DuoSphere™ Digester Cover

Purpose	Digester gas storage for slab-mount	Digester cover for tank-mount
Materials	PVC-coated polyester fabric membranes, stainless steel anchors	PVC-coated polyester fabric membranes, stainless steel anchors
Fabrication Methods	Radio frequency welds form a very strong seam. Support cables are not necessary	Radio frequency welds form a very strong seam. Support cables are not necessary
Sizes	700 ft <sup>3</sup> to 176,000 ft <sup>3</sup> (20 m <sup>3</sup> to 5000 m <sup>3</sup> )	Custom fabricated to fit tank
Footprint	15 ft <sup>2</sup> to 65 ft <sup>2</sup> concrete slab	25 ft to 100 ft diameter plus
Fans	AMCA spark-resistant construction, two fans for safe duty/standby operation	AMCA spark resistant construction, two fans for safe duty/standby operation
Installation	2 days for the smallest and up to 5 days for the largest models	1-3 weeks for a digester cover



## Fast Installation – Less Cost

Reduce cost and delays with the DuoSphere™

- **2-5 days installation**
- **Less equipment cost**
- **Less construction cost**
- **Alternative to costly steel construction**



## Strength and Safety

The high-strength fabric, radio frequency welding process, and superior design make complex reinforcing cables or frameworks unnecessary. A gas detection system continuously monitors the air within the space between the membranes for any potential leaks.



## More Information

Contact WesTech to discuss how the DuoSphere™ can help benefit your gas storage needs. Our anaerobic digestion team can help determine a size and design that will best fit your plant applications.

**801.265.1000**   [info@westech-inc.com](mailto:info@westech-inc.com)

## WesTech Product Capabilities

Screening  
Grit Removal  
Clarifiers  
Thickeners  
Biological Treatment

Sludge Mixers  
Digester Covers  
Dissolved Air Flotation  
Gasholders  
Rotary Distributors

Flocculators  
Pressure Filters  
Package Plants  
Ultrafiltration Membranes  
Vacuum Filters

Oil / Water Separators  
Paste Thickeners  
Tankage and Erection  
Parts and Field Service  
Laboratory and Testing

**WESTECH**  
an employee-owned company

*Represented by:*

Phone: (801) 265-1000 • Fax: (801) 265-1080  
P.O. Box 65068 • Salt Lake City, Utah 84165-0068  
[info@westech-inc.com](mailto:info@westech-inc.com) • [www.westech-inc.com](http://www.westech-inc.com)