

# Vapor Guard<sup>®</sup>

## Gauge Pole Covers

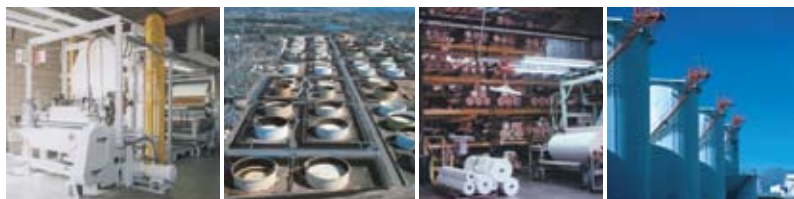
**Mesa**

ISO 9001:2000 certified

### Control Emissions from Slotted Gauge Poles

Mesa Vapor Guard™ Gauge Pole Covers greatly reduce hydrocarbon vapors from escaping through slots in Aboveground Storage Tank (AST) Slotted Gauge Poles. Tank owners benefit by reducing product emissions while meeting environmental regulations.

Mesa Gauge Pole Covers are manufactured using MesaThane 6036 urethane seal material to form a casing around the exterior of the Slotted Gauge Pole (Mesalon 7010 is available for specialty applications). The optional Transition Box provides a seal at the deck opening.



### Mesa Gauge Pole Cover Features

- Significantly reduces product emissions (see reverse)
- Meets or exceeds environmental regulations
- Suitable for Internal and External Floating Roof Tanks
- Installs while tank remains in-service
- Allows gauging and sampling equipment to operate
- Excellent chemical resistance and UV protection
- Collapsible design provides flexibility
- Includes zipper for easy installation
- Custom engineered to ensure effective operation
- Provides efficient and economical solution

### Mesa Gauge Pole Cover Background

In April 2000, the United States Environmental Protection Agency (EPA) published a voluntary agreement in the Federal Register (65 FR 19891) for the control of Gauge Pole emissions. The agreement specifies the *flexible enclosure system* as a pre-approved technology for the control of emissions from Slotted Gauge Poles. Mesa Gauge Pole Covers are at the forefront of this technology.



#### Northeast

4141 Airport Road  
Cincinnati, OH 45226-1643  
Phone: 513.321.4511  
Fax: 513.321.8178

#### Southeast

9202 Meadow Vista Blvd.  
Houston, TX 77064-2012  
Phone: 281.469.8098  
Fax: 281.469.9524

#### West

1726 South Magnolia Ave.  
Monrovia, CA 91016-4595  
Phone: 626.359.9361  
Fax: 626.359.7985

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## Gauge Pole Covers

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EFRT Slotted Gauge Pole Emissions		Selected Liquid Surface Temperature (°F)			
		40	50	60	70
Product	Emissions				
Gasoline (RVP 13)	lb/year uncovered	25,031	32,035	41,247	53,761
	lb/year covered	1,705	2,182	2,809	3,662
Gasoline (RVP 10)	lb/year uncovered	18,563	23,582	29,977	38,247
	lb/year covered	1,264	1,606	2,042	2,605
Gasoline (RVP 7)	lb/year uncovered	12,011	15,230	19,249	24,293
	lb/year covered	818	1,037	1,311	1,655
Aviation Gasoline	lb/year uncovered	11,660	14,907	18,993	24,159
	lb/year covered	794	1,015	1,294	1,646
Jet Naphtha (JP-4)	lb/year uncovered	4,764	6,021	7,557	9,424
	lb/year covered	324	410	515	642
Jet Kerosene (Jet A)	lb/year uncovered	38	55	77	106
	lb/year covered	3	4	5	7
Dist. Fuel Oil # 2 (Diesel)	lb/year uncovered	30	43	60	83
	lb/year covered	2	3	4	6
Crude Oil (RVP 5)	lb/year uncovered	2,920	3,656	4,559	5,667
	lb/year covered	199	249	311	386

Ambient conditions at the tank site or nearest city: V = 10mph; P=14.7psia.  
(TGB Partnership, 2001)



### Northeast

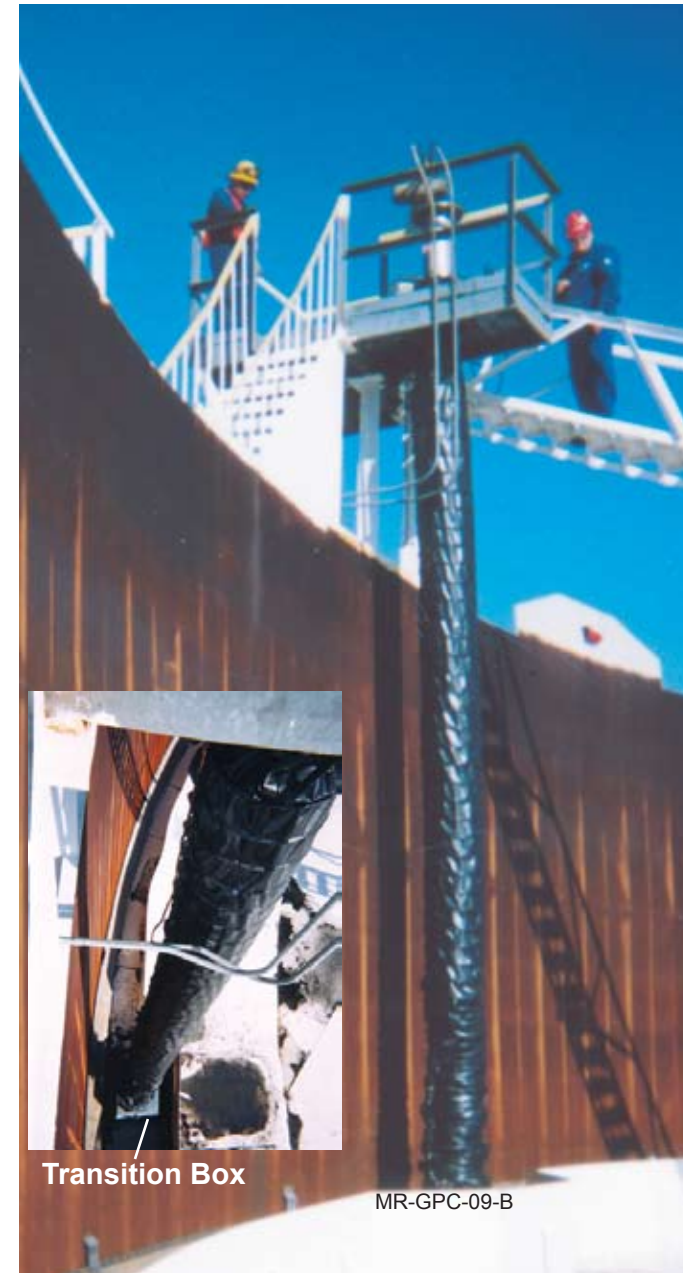
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Transition Box

MR-GPC-09-B