

## Wastewater Odor Control

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**Resin:** Vipel® K022-C vinyl ester  
E84 Class 1 fire rating with  
1.5% antimony oxide addition

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**Composite  
Application:** Odor control scrubber Body  
with Internal Support Structures

Ductwork

Control Dampers and  
Isolation Dampers

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**Dimensions:** Scrubber diameter:  
12 ft (3.7 m)

Scrubber sidewall:  
22 ft (6.7 m)

Duct diameters:  
12 to 84 in (30.5 to 213.3 cm)

Duct lineal total:  
2,500 ft (762 m)

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**Design  
Temperature:** 180° F (82°C)

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**Installed:** 2002

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**Location:** 23rd Avenue  
Wastewater Treatment Facility  
Phoenix, AZ, USA

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Corrosion-resistant Vipel® K022-C is used to fabricate composite equipment that is essential to controlling odors from a new million gallon per day wastewater treatment facility. Belco Manufacturing, Belton, TX, USA, uses Vipel® K022-C vinyl ester to filament wind cylindrical components and open mold elbows and flanges. Scrubber systems are designed to withstand exposure to hydrogen sulfide and low concentrations of sodium hydroxide. “We specified this Vipel® K022-C because it processes well and meets engineering stringent requirements for flame retardance and resistance to a corrosive environment,” says Jeff Jones, Municipal Manager for Belco. “AOC technicians were very helpful in developing a formulation that targets our process parameters for a precise gel time and lower exotherm.”