

PODZ Escudo

Odour Control for Lift Stations & Service Ports

INDUSTRY-LEADING INNOVATIONS

PODZ Escudo is a detachable insert fitted with activated carbon filters, engineered to mitigate malodorous gases emanating from both subterranean and surface-level industrial and municipal wastewater collection and treatment systems.

Odours arising from sewage lift station grates and other service ports can be a significant nuisance to public facilities, homeowners, and pedestrians, diminishing overall quality of life.

The included PODZ Filter powdered activated carbon filters are specially designed to reduce sewer odours by capturing malodorous hydrogen sulfide (H₂S) and other irritating gases without disrupting airflow through the system.

Advantages

Cost Effective

- 🛡️ Unmatched value
- 🛡️ Available for any size & shape openings
- 🛡️ Individually sealed replacement filters
- 🛡️ No chemicals or energy required

Tough and Efficient

- 🛡️ Strong, durable and lightweight
- 🛡️ Corrosion resistant polypropylene frame
- 🛡️ Filters can be doubled for higher adsorption capacity
- 🛡️ Typical odour reduction of 96% (EN13275)

Business as Usual

- 🛡️ Quick & simple filter replacement
- 🛡️ Easy removal of the insert for maintenance
- 🛡️ No rainwater accumulation
- 🛡️ Debris easily rinsed off



Technical Details

The PODZ Escudo is custom-built to meet project-specific dimensions. To ensure a perfect seal, it features either a positive or negative tray profile, based on the project requirements. Equipped with handles, the tray is designed for easy removal and replacement.

For harsh conditions, the activated carbon filters can be doubled to increase capacity. If required, the filter tray can also be designed to accommodate more than two layers.

PODZ Filters	
Media	Proprietary activated carbon blend
Weight	2400 g/m ²
Thickness	40 mm
Carbon Content	≥ 1800 g/m ²
Resistance (Pa)	< 45
Temperature Range	-35°C to 85°C (-31°F to 185°F)



About Pi² Technologies

Founded in 2011, Pi² Technologies is a privately owned Canadian company dedicated to pioneering innovative solutions for odour control. In 2024 a subsidiary in Brazil was established.

We develop, produce and market the most cost-competitive solutions for mitigating odour emissions, improve safety in operational environments, and enhance the quality of life for communities.

With a strong global presence, Pi² Technologies has been a trusted partner from the start, empowering municipalities and industries to mitigate their odour impact, lower their carbon footprint, and to uphold the highest standards of sustainability and environmental responsibility.



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