



NANO CAV Series - Livestock



Product Overview Nano Cav Series

At Prasinos Tech, we specialize in designing advanced engineering solutions that harness the remarkable capabilities of controlled hydrodynamic cavitation.

We are proud to introduce the NanoCav, our ground-breaking multi-chamber hydrodynamic cavitation device, designed specifically for use in aquaculture industry. This innovative solution enhances and accelerates gas infusion processes while significantly reducing energy consumption and gas usage costs. Leveraging the power of hydrodynamic cavitation, the NanoCav generates nano-sized bubbles, enabling superior gas transfer rates and extended retention time in liquids, driving efficiency and sustainability in wastewater treatment.

Incorporating our NanoCav infusion device into your operations enhances the absorption of infused gases by animals, leading to improved disease resistance, better overall health, and increased production potential, especially when using beneficial gases like oxygen. Featuring a patented flowthrough design with no moving parts, the NanoCav is a scalable solution that is simple to install and can be easily retrofitted into existing systems.



Features

Unmatched Nanobubble Infusion

- Achieves infusion capabilities below 100 nanometers, with 10-nanometer bubbles generating over 1 trillion nanobubbles per milliliter

Great Performance

- Ensures 100% gas infusion in a single pass at 0.5% gas-to-water flow, allowing for the infusion of virtually any gas into any liquid.

Seamless Integration with Superior Durability

- Designed for seamless integration into existing systems, featuring a durable, long lasting construction with no moving parts and a flow-through design that minimizes the risk of blockages.

Safe for humans and the environment

- Designed to ensure safety for human health and minimal impact on the environment.

Customizable

- Comes in different models according to customer needs

Patented Technology

- State of Art "Make in India" Product serving global needs at affordable price

Benefits

- **Enhances efficiency** : Exceptional gas retention time in a fluid with higher dissolution rate
- **Improves Gas Absorption** : Increases gas absorption rate by organism with supersaturation of gas in a single pass
- **Enhances Animal Health** : Promotes animal health and boosts disease resistance
- **Boosts Production Potential** : Enhances production potential while significantly reducing mortality rates
- **Energy Savings** : Offers a significant reduction in overhead cost and in filtering water



**Prasinos Tech
Innovations**

A vision towards green future

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