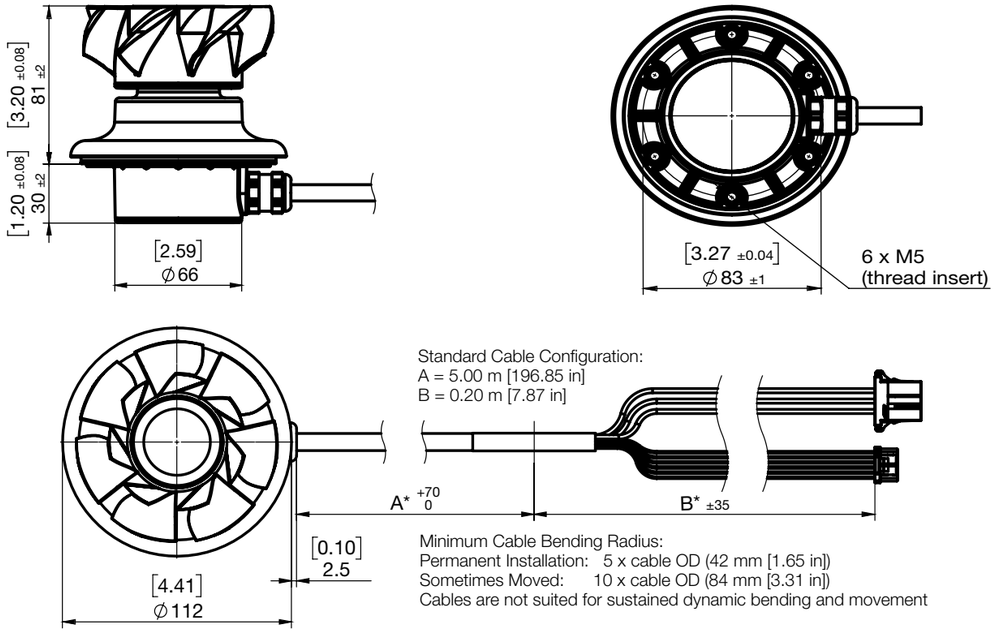
Specifications //



Technical Data //

Voltage, Power Input	48 V DC ±10%, 240 W (Option: 24 V DC ±5%, 75 W, with reduced max. speed of 8000 rpm)
Temperature Range	Ambient and gas temperature range 0 to 40° C
IP Rating	IP67
Electrical Interfaces	PLC with: 2 analog inputs 4--20 mA / 1 analog output 4-20 mA / 2 digital inputs 0-24 V (optocoupler) 2 digital outputs 0-24 V / 100 mA (open drain) RS485 interface, Modbus protocol (extended control or service through fieldbus or Levitronix Service Software)
Standard Firmware	V3.16x
Mechanical Interface	Mounting hole on bottom of motor, Ø96 mm, mounting ring included
Cable Length	5 m + 0.2 m wires with TE connectors for power and PLC signals
Materials	Polypropylene, Cable: PVC jacket, PVDF bushing
Weight	1.3 kg, 2.9 lb (for 5 m version)

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LEVITRONIX®

PURO™

ACTIVE ASEPTIC DISTRIBUTION OF VHP

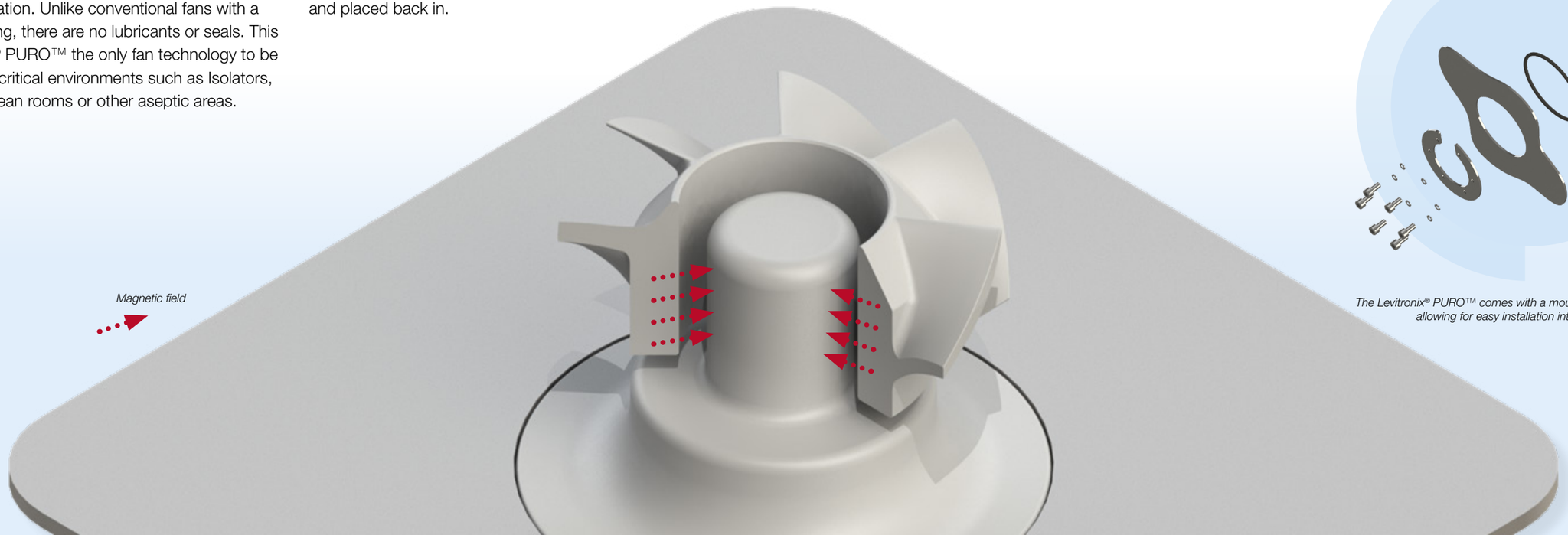
LEVITRONIX®
Better Fans for Better Yield

BOOST YOUR BIODECON-TAMINATION CYCLE

The Levitronix® PURO™ MagLev fan is designed for aseptic and powerful distribution of Vaporized Hydrogen Peroxide (VHP).

Based on active magnetic levitation, the fan impeller is suspended in the air and driven by the magnetic field of the motor. The constant gap between rotor and stator ensures that there is no wear and therefore virtually no particle contamination. Unlike conventional fans with a mechanical bearing, there are no lubricants or seals. This makes Levitronix® PURO™ the only fan technology to be installed in highly critical environments such as Isolators, pharma grad A clean rooms or other aseptic areas.

Since there is no mechanical bearing, the Levitronix® PURO™ can be operated at extremely high speeds to ensure VHP decontamination over a wide area and in hard-to-reach areas such as glove boxes or complex filling machines. The fan rotor can be operated at both positive and negative speeds, as well as in fast pulse mode to further increase turbulence. To clean the Levitonix® PURO™, the rotor can simply be pulled out and placed back in.



ADVANTAGES OF LEVITRONIX® PURO™

No Particle Contamination // certified for pharma grade A*

Since there is no mechanical contact between fan rotor and motor, there is no wear and therefore no particle contamination.

Extremely Powerful // up to 10'000 rpm

Since there is no mechanical bearing and thus no friction, the Levitronix® PURO™ can be operated at extremely high speeds.

Ab- and Desorption Free // 100% high-performance plastic

There is no other material in contact with VHP than non-absorbing* high-performance plastic.

No Lubricants or Sealings // no risk of contamination

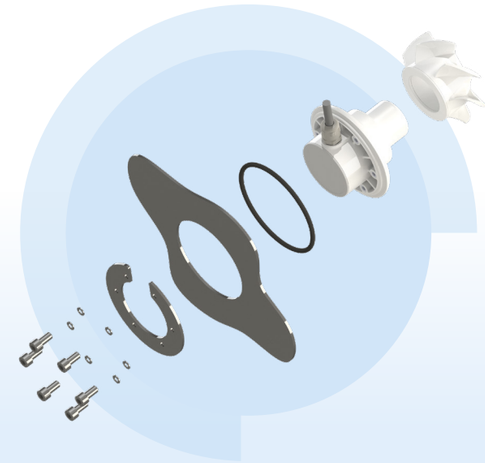
Unlike conventional fans with ball or slide bearings, a magnetic bearing does not require lubricants or sealings.

Chemically Resistant // robust against VHP*

There is no other material in contact with VHP than non-absorbing* high-performance plastic.

Maintenance-free // Extremely high reliability

There is no bearing to fail or sealing to wear out which results in highest reliability.



The Levitronix® PURO™ comes with a mounting ring and a screw set, allowing for easy installation into isolator walls

* certified by Fraunhofer IPA TESTED DEVICE