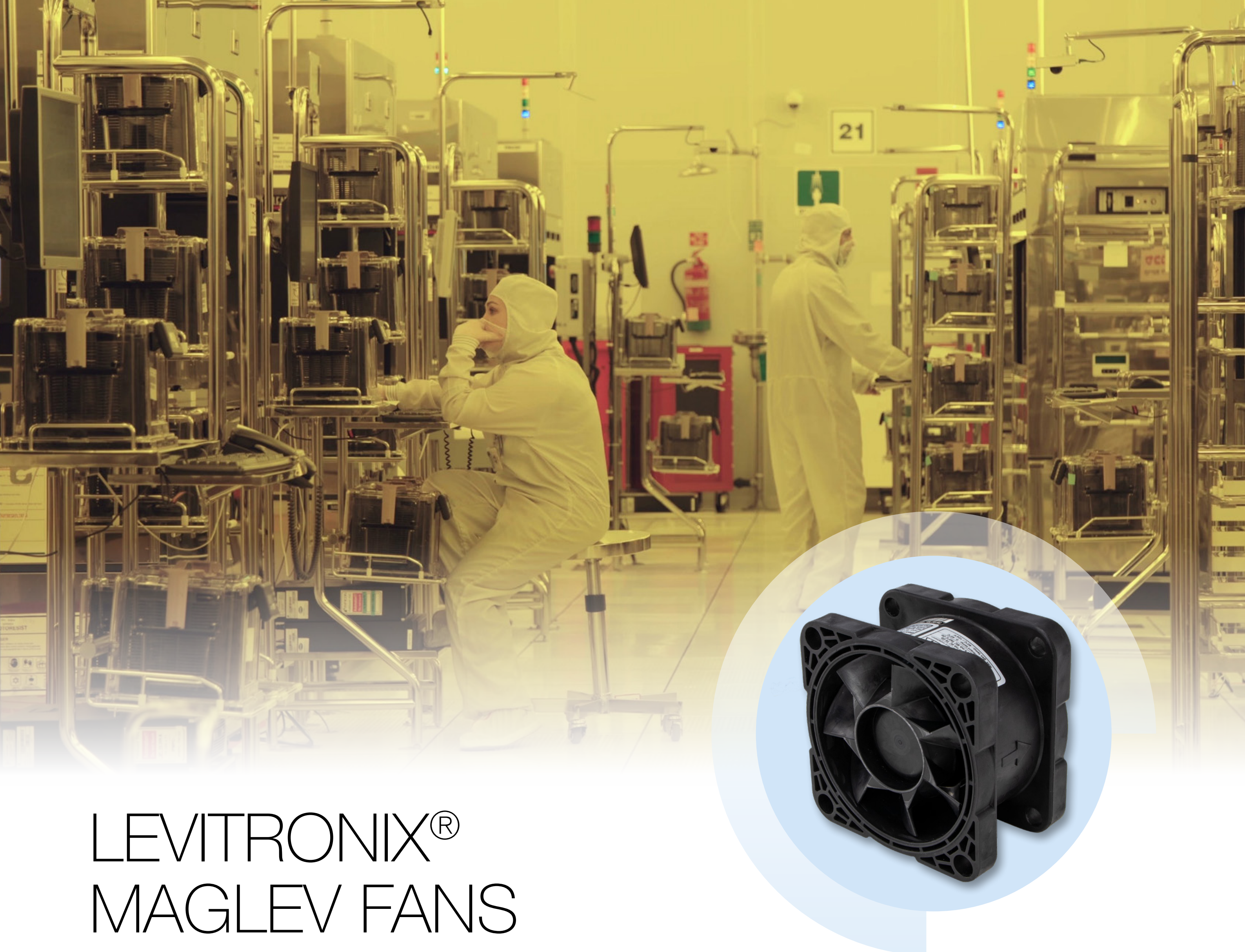


LEVITRONIX® MAGLEV FANS

DON'T LET YOUR EXHAUST CONTROL YOUR PROCESS

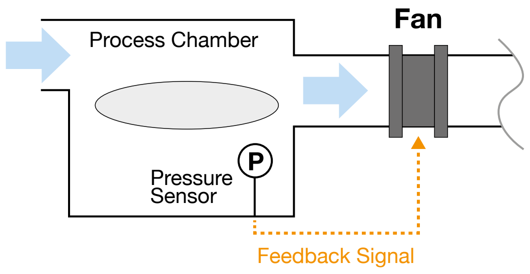
LEVITRONIX®

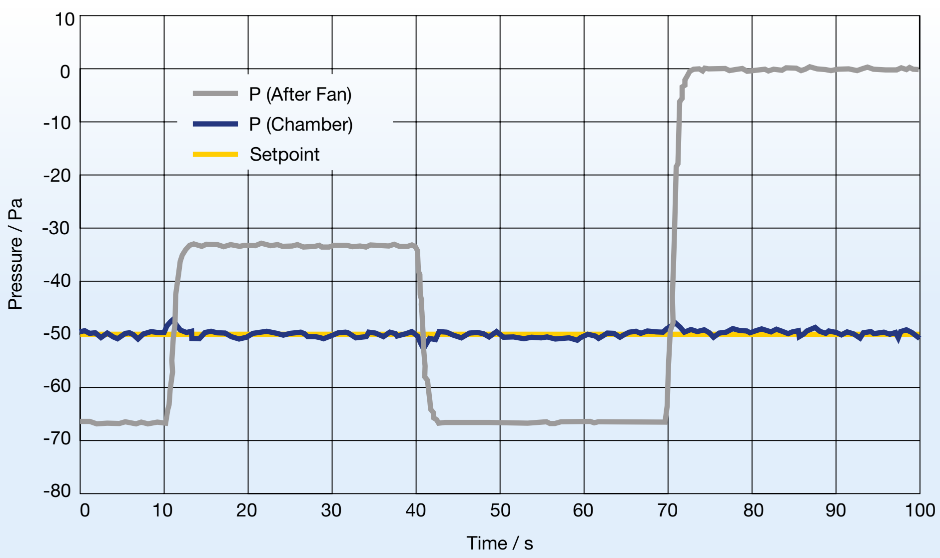
Better Fans for Better Yield

CONSTANT CHAMBER PRESSURE WITH LEVITRONIX® MAGLEV FANS

Keep your chamber pressure constant with the Levitronix® MagLev Fan!

Placed on the exhaust line, the fan compensates for pressure fluctuations due to an inconsistent or insufficient central exhaust.





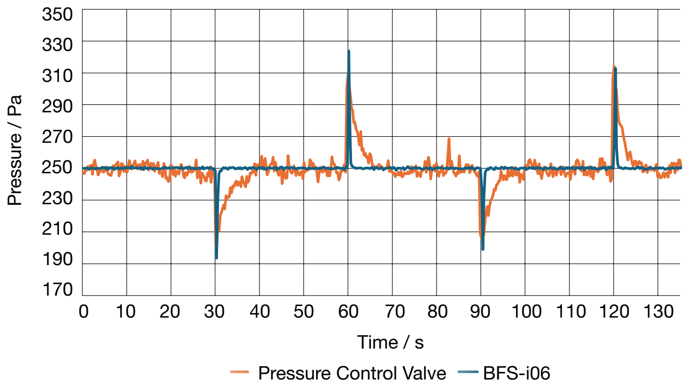
The MagLev Fan ensures constant pressure inside the process chamber. Connected to the pressure sensor, the MagLev Fan compensates for pressure fluctuations inside the chamber.

ADVANTAGES OF A LEVITRONIX® MAGLEV FAN

II 2G Ex h mb IIC T6 Gb
II 2D Ex h mb IIIC T85 °C Db

Highly Dynamic & Accurate Control //
compared to control valves

Fast acceleration and deceleration over a wide RPM range allows for dynamic control and therefore significantly faster reaction times than with butterfly control valves.



A Levitronix® fan adjusts a 20% pressure deviation in less than a second while a control valve needs 10 seconds.

Designed for Chemical Environments //
no bearing to fail

As the impeller and stator are completely encapsulated, the fan is extremely resistant against aggressive media. The wet material consists 100% of high-performance plastics.

ATEX / IECEx certified //
ideal for solvent applications

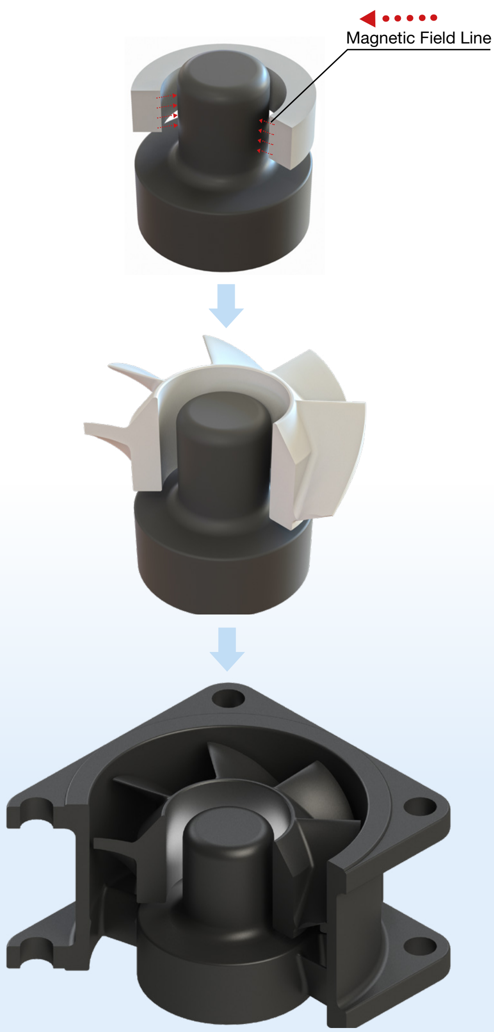
The BFS allows installation within an ATEX Zone 1 area for gas and ATEX Zone 21 for dust.

High Power Density //
high rotational speeds, high pressures

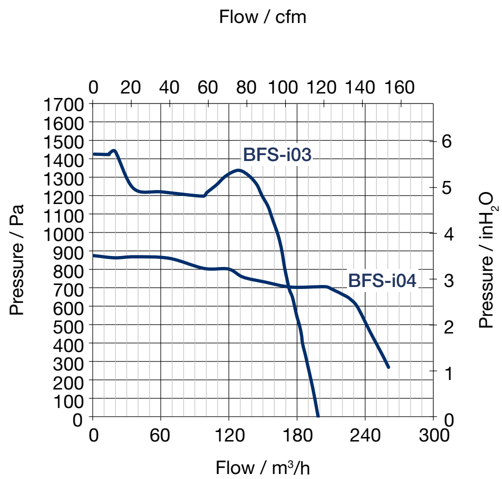
Contact- and frictionless active magnetic levitation enables high rotational speeds of up to 30’000 rpm, allowing the BFS to achieve high pressures like centrifugal blowers, but in an extremely compact footprint.

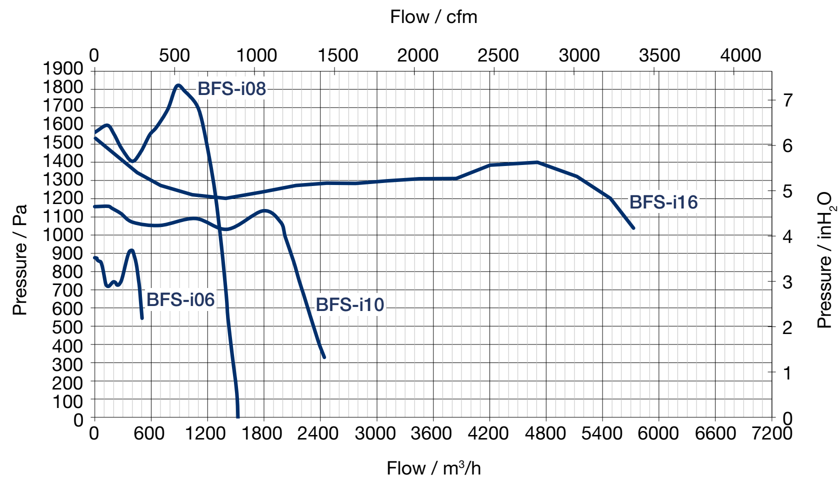
Extremely Long Life Time //
increase your equipment uptime

There are no bearings to wear out or seals to break down, increasing equipment uptime, extending the life of your process equipment, and reducing maintenance costs.



In a MagLev Fan, the rotor is completely free floating, which allows the rotor and stator to be completely encapsulated in high-performance plastic.





Overview // MagLev Fan Systems

BFS-i03
200 m³/h (118 cfm)
1420 Pa (5.7 inH_2O)

BFS-i04
260 m³/h (153 cfm)
870 Pa (3.5 inH_2O)

BFS-i06
500 m³/h (294 cfm)
915 Pa (3.68 inH_2O)

BFS-i08
1520 m³/h (895 cfm)
1800 Pa (7.2 inH_2O)

BFS-i10
2400 m³/h (1413 cfm)
1150 Pa (4.62 inH_2O)

Coming Soon

BFS-i16
5700 m³/h (3355 cfm)
1400 Pa (5.6 inH_2O)

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