

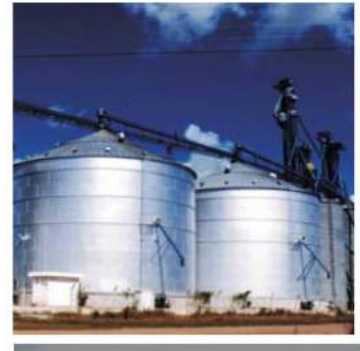
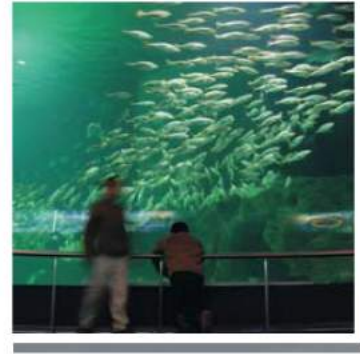
# applications

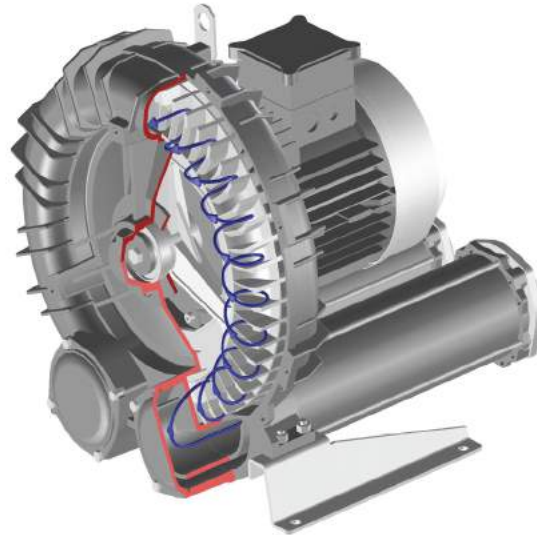
## APPLICATIONS

Thousands of FPZ blowers are working in a variety of applications: from commercial to industrial installations, in food processing to pharmaceuticals, from textiles to aerospace, in medical applications to environmental. Wherever efficiency and reliability are needed, FPZ responds with the appropriate product "solution"

### Advantages of side channel blowers

- Compact execution
- Simple concept
- Reduced maintenance costs
- Modular design
- Pulsation and oil free air





**How blowers work**

Blowers have an impeller blade mounted inside a housing. As air passes the inlet port impeller blades draw air in and accelerate the air outward and forward. As each impeller blade strikes it, the air moves faster and faster. At the base of the housing an air stripper diverts the air out of the housing reducing the speed and then increasing the pressure



**MS** *single impeller - single stage*



**TS**

*twin impeller - single stage*



**MD** *single impeller - double stage*



**TD** *twin impeller - double stage*



**TT**

*triple impeller - three stage*