

IMV Pro Integrated Membrane Valve System

The MikroPul Pulse-Jet Technology, invented over 50 years ago, effectively and reliably releases dust from the filter bag surface during filter operation by injecting short, high-pressure back-pulses of compressed air during from the clean side of the bag.

MikroPul uses its proprietary integrated membrane valve system – IMV Pro.

The MikroPul IMV Pro consists of an aluminium cast manifold and integrated magnet/membrane valves.

Adaptation is simply made by assembling the required number of manifold/valve modules.

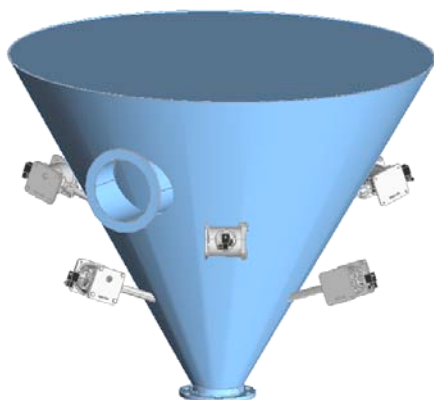
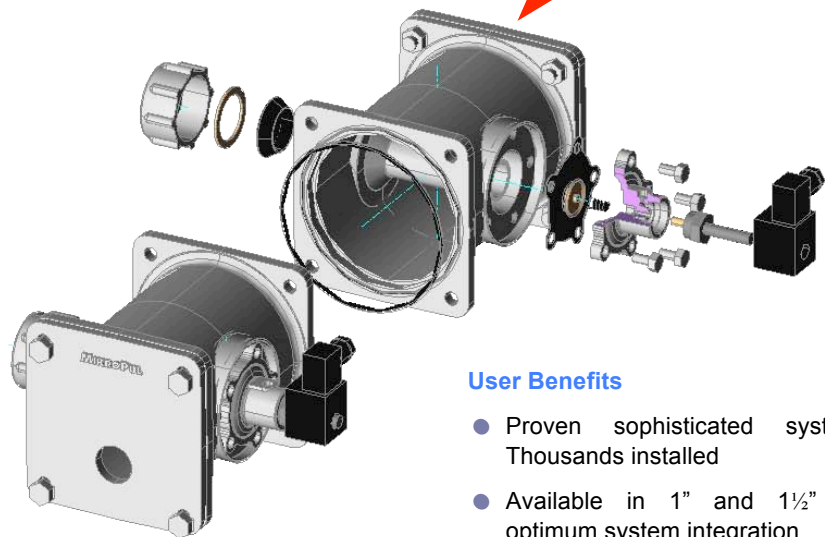
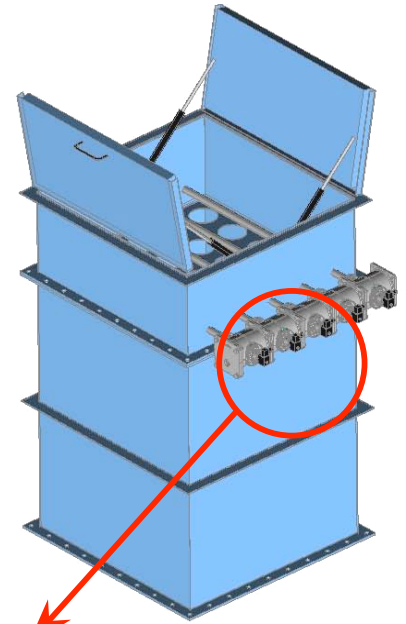
Swivel nuts with radial seals connect the system to the blowpipes.

The IMV Pro can be operated with pressurized air, nitrogen or other suitable (process) gases.

The system offers an option to be equipped with purge gas recirculation.

System pressure ranges between 2 and 8 bar at permitted operating temperatures from -20°C to +80°C.

The MikroPul IMV Pro system meets the essential safety and health requirements of the European Directive 97/23/EC for pressure equipment.



Further Application

Single modules are ideally suitable to serve as pulsing discharge devices on hoppers to enhance flow of difficult powders or dusts.

User Benefits

- Proven sophisticated system; Thousands installed
- Available in 1" and 1½" for optimum system integration
- Meets requirements of directive 97/23/EC for pressure equipment
- IMV-Pro 1" also available for applications according to ASME standards
- Purge gas recirculation option
- Suitable for low or high pressure pulsing
- Low maintenance requirements
- No special tools necessary
- Cost-effective solution
- Compact