

# SIMATEK

## Filter Technology

After sales service  
& spare parts



## Your one source supplier for fabric filter services & spare parts

Fabric filters are an important part of many industrial processes to ensure that plants run efficiently, sustainably and in accordance with emissions regulations. The maintenance of the filters is essential to guarantee optimal performance.

With more than 40 years' experience with APC (Air Pollution Control), Simatek supplies high-quality spare parts, services and technical support to optimize the fabric filter performance and help avoid downtime.



24/7 technical  
support hotline



High-quality  
spare parts



Technical support  
& advisory



Capable service  
engineers

## Technology provider with process and equipment knowledge




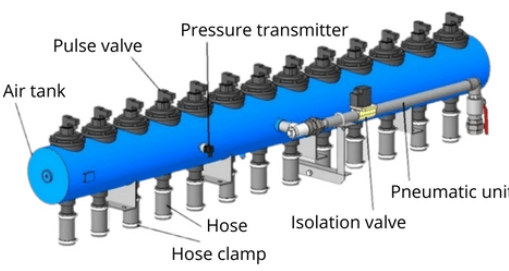
To keep your operations running smoothly with minimum downtime, we provide you with technical support and advisory for improvement options to your existing APC equipment:

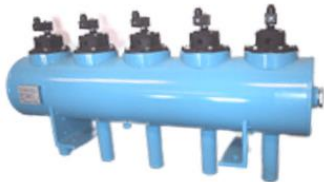

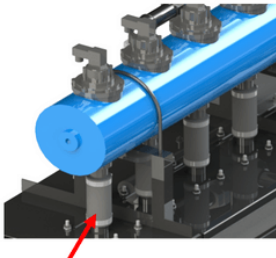

- Recommendations for improving the filter performance
- Extensive support solutions covering your specific needs
- Specifically designed replacements for your equipment
- Replacements for other OEMs' APC equipment parts


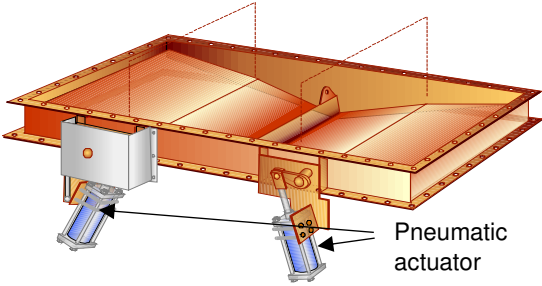
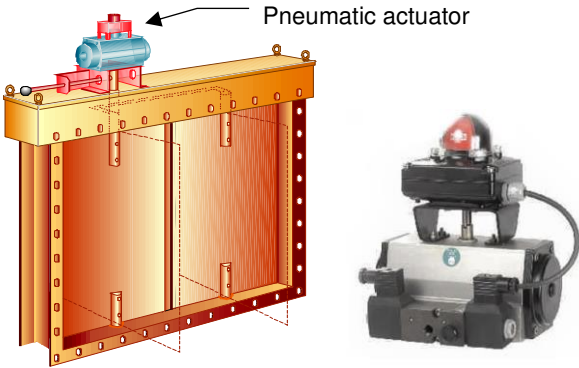
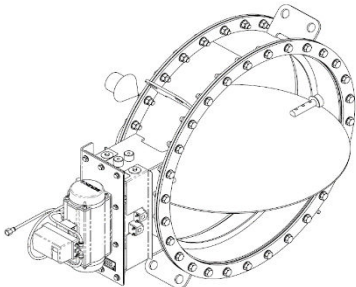
With extensive experience in operating, maintaining, and servicing all kinds of fabric filters, we offer a variety of service solutions:




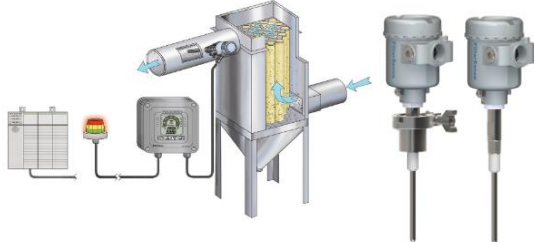
- Fabric filter service maintenance service
- Customized service contracts
- Supervision for installation and overhaul
- On-site troubleshooting
- Commissioning services

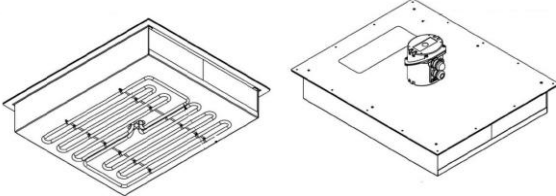
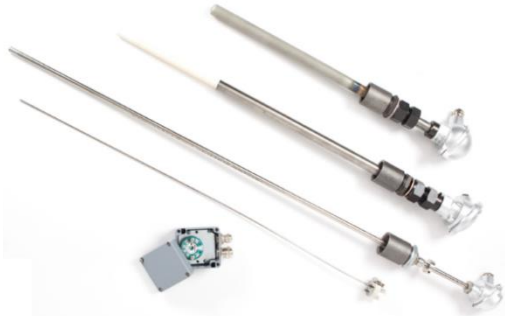

**Simatek supplies spare parts globally**

<b>Filter bags</b>	
	<p>Pulse jet, reverse air and envelope filter bags with different fabrics such as fiberglass w/without membrane, polyester, polyimide/P84®, acrylic, Teflon®/PTFE, aramid etc. according to your application.</p>
<b>Filter cages &amp; venturies</b>	
	<p>Different materials such as carbon steel, galvanized, stainless steel, cataphoresis. Different designs (round, star, oval ring,) and connection styles. Immersed venturi and external venturi can be supplied.</p>
<b>Filter controllers</b>	
	<p>SimControl Advance (SCA) 1691 &amp; 0891. Controller with microprocessor-based technology that gives faster feedback, more efficient detection, and monitoring than PLC-based systems. This minimizes downtime and encourages continuous production.</p>
<b>Cleaning systems</b>	
	<p>This is used in the fabric filter to blow purge air to the filter bag to detach the dust settled on the bag. Here few parts to be replaced often to have smooth cleaning operation.</p>

<b>Air tank including valves</b>	
	<p>Storage tank which receives the compressed air from compressed air pipeline.</p>
<b>Pulse valve spares</b>	
	<p>Complete pulse valve can be supplied, as well as membrane kit and pilot group kit.</p>
<b>Hoses and hose clamps</b>	
 <p>Hose and hose clamp</p>	<p>Connecting the pulse valve unit to blow pipe of the filter.</p>
<b>Combined filters/pressure regulators</b>	
	<p>Pressure regulators to regulate the compressed air flow from the compressed air pipeline to air tank. It is also filtering the impurities (approx. 5 µm) from the compressed air.</p>

<b>Auto filter pressure regulators</b>	
	<p>Can be linked with our controllers to optimize the compressed air consumption (based on differential pressure feedback).</p>
<b>Inlet dampers with pneumatic actuator</b>	
	<p>Used to isolate the compartment whenever maintenance is required.</p>
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<b>Fresh air dampers (FAD)</b>	
	<p>Regulating the fresh air (ambient) to the inlet duct of the filter with modulating and ON-OFF control.</p>

<b>Pressure transmitters</b>	
	<p>Measuring the air pressure of compressed air line or pressure at the manifolds and gives feedback to the controller/plant plc.</p>
<b>Differential pressure transmitters</b>	
	<p>Measuring the pressure across the filter (between the inlet and outlet of the filter) and gives feedback to the controller/plant plc.</p>
<b>Hopper level switches</b>	
	<p>Safety instrument that gives feedback to the plant control system or controller when the material level in the hopper reaches the maximum level.</p>
<b>Burst bag detectors</b>	
	<p>An instrument to detect a leak and to monitor the emission at the filter clean chamber.</p>

<b>Hopper heating elements</b>	
	<p>Heating elements to be mounted around the hopper surface to maintain hot zone area at specified temperature.</p>
<b>Temperature sensors (PT100)</b>	
	<p>Detecting the temperature in the hopper to give feedback to the controller to ON/OFF the heater.</p>
<b>Speed monitors</b>	
	<p>Used in rotary air valve/screw conveyor/drag chain to detect the speed of rotating equipment.</p>



# Clean air for a better world

Founded in 1981, Simatek is a leading manufacturer of industrial air filtration solutions. Our high-tech products and systems optimise footprint, performance and maintenance for industrial plants worldwide. All at a low cost of ownership.

Our main areas of expertise:

- **Dust Collection & Aspiration:** A wide range of pulse-jet bag filters designed to work with dust explosive atmosphere and meet international standards and certification.
- **Process Air:** A range of sanitary and non-sanitary bag filters for the processing industry - including process filter with Cleaning In Place (CIP) and super sanitary bag filters conforming to the 3-A standards and USDA guidelines.
- **Air Pollution Control:** A wide range of fabric filter technologies that ensures compliance with emission requirements by removing dust and flue gas.

Unique technology and specialized expertise are at the heart of everything we do at Simatek. Our core team of dedicated employees - alongside our global network of partners and representatives - are ready to help you find the solution that will benefit your business the most.

**SIMATEK**  
Filter Technology

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