



Why Are Standard Filters a Weak Point in High-Temperature Lines?

Filter failure on high-temperature lines means more than poor air quality — it means product defects, rework, and lost production time.

Hengst Filtration solution: MultiTherm Thread, engineered for stable and reliable performance.



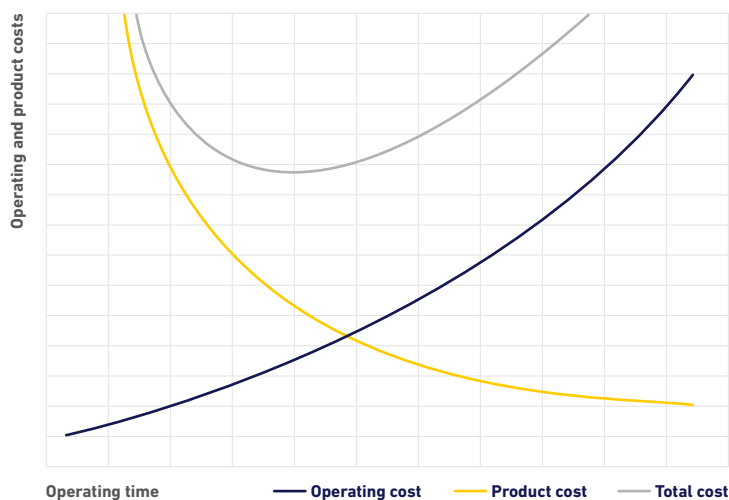
purifying our planet

How MultiTherm Thread addresses the challenge

Designed for high temperatures and a long service life

In many industrial processes, air quality directly shapes product quality. This applies above all to paint shops, drying and curing ovens, and surface treatment lines, where hot air meets the product directly — in automotive, food, and other sectors alike. Even a small amount of airborne particles can cause surface defects or deposits, leading to rework and higher costs. Filters here also face far greater demands than standard HVAC applications.

At high temperatures, filters must keep their mechanical stability, airtightness, and filtration performance over the long term. A filter that deforms or loses its properties puts air quality and process reliability at risk. Pressure drop matters too: higher resistance means a greater load on fans and higher running costs, and once a filter reaches its final pressure drop, it must be replaced. For high-temperature lines, filtration efficiency alone isn't enough, and MultiTherm Thread offers a solution.



- Low initial pressure drop thanks to mini-pleat technology
- High mechanical stability under turbulent airflow and operating temperatures up to 250 °C
- Robust construction for easy integration into existing furnaces and air ducts

Information

Lower pressure drop from the mini-pleat MultiTherm Thread design means more operating hours before filters need replacing — even at high temperatures, cutting downtime and lifting productivity.

Want to learn more?



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