

The New FireSep Fire Damper

Ultimate protection for
ductwork fire safety

Protects your
business in
**less than
2 seconds**



Innovative Fire Protection and Maximum Safety

At FireSep®, we understand the importance of protecting your facilities from fires. Our industrial fire dampers are designed to prevent the spread of fire between compartments and ensure minimal operational downtime for your business. Whether in the wood industry, machinery factories, power plants, or food production, our fire dampers are the ideal solution to meet European safety standards.

FireSep fire dampers are designed to prevent the spread of fire by acting as an automatic shut-off damper. When the voltage to the electromagnet is interrupted, either through detection or power failure, the damper closes instantly by gravity. The damper operates efficiently in a wide temperature range from -10°C to 55°C and can withstand air flows with temperatures up to 140°C.

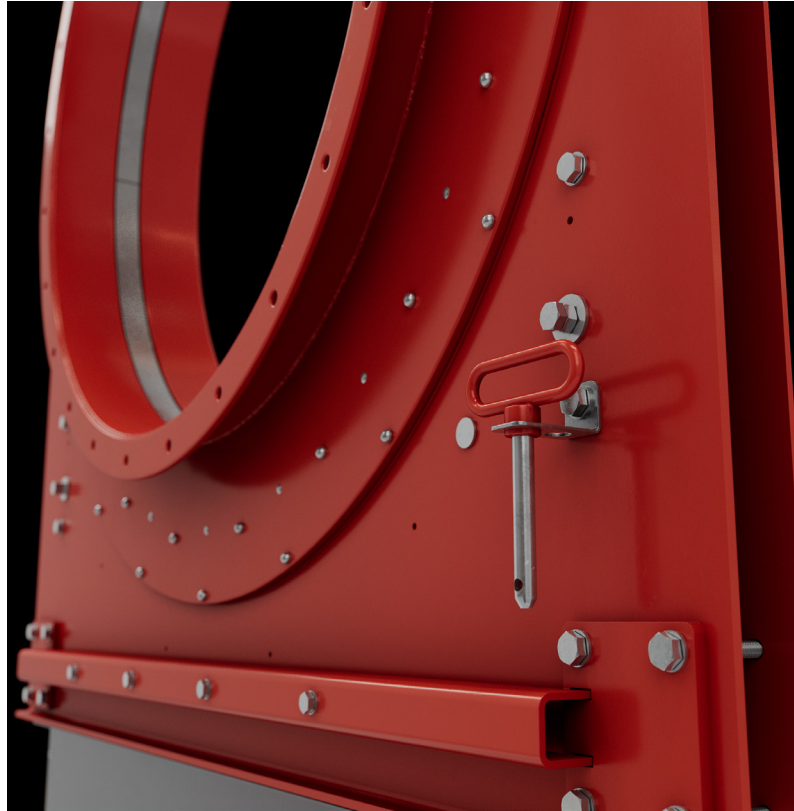
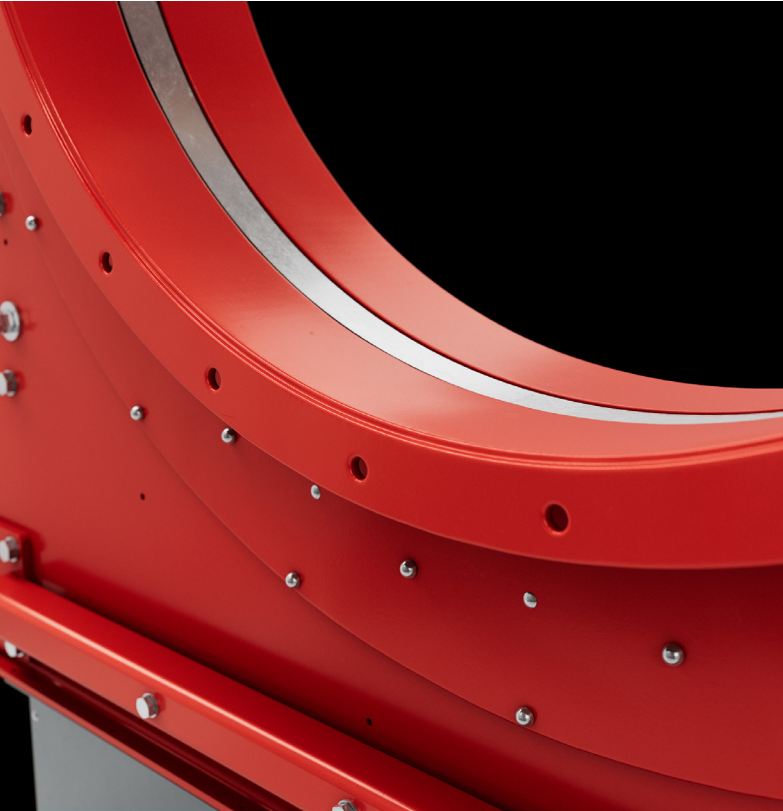


The FireSep fire damper is your ultimate safeguard against fire, preventing flames from spreading between compartments and ensuring your production stays secure, even in an emergency.

FireSep is the only solution for both pneumatic material transport and ventilation, tested in accordance with **DS/EN 1366-2** and **classified as EI90 under EN 13501-3**

With FireSep, you are guaranteed maximum protection and safety for **both your employees and your business.**

Advantages of FireSep Fire Dampers:



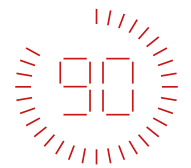
- **Fast Closing Time:** With a closing time of under 2 seconds, our dampers ensure a fast and efficient response in the event of a fire.
- **Compliance with European Standards:** With a fire insulation class of 90 minutes tested in accordance to DS/EN 1366-2 and classified according to EN 13501-3, FireSep fire dampers offer the highest safety standards on the market.
- **Robust Construction:** Made of stainless and painted steel as well as heat-resistant materials, ensuring long-lasting durability and maximum resistance to high temperatures.
- **Easy Installation and Maintenance:** Thanks to its compact design and low weight, the damper is easy to install and requires minimal maintenance.
- **Cost-Effective:** The low weight of the damper reduces both shipping costs and the load on building structures, making it an economically attractive solution.
- **Energy Savings:** Reduces energy costs by keeping your ventilation within the building, minimizing heat loss. This eliminates the need for costly insulation and helps maintain indoor temperatures efficiently, leading to significant long-term savings.
- **Shock-Absorbing Technology:** In larger models, the damper plate lands on shock-absorbing components that protect both the construction and fittings from damage upon activation.

From Vision to Leading Fire Protection

The development of the FireSep industrial fire dampers started in 2021 with a vision to create the safest and most effective product on the market. Through extensive research and collaboration with leading fire protection experts, the design was continually refined.

Our fire dampers have undergone five rigorous testing phases at the Danish Institute of Fire and Security Technology (DBI), Denmark's leading knowledge center for fire protection. Each test brought us closer to perfection, and in 2024, we could finally present a fire damper that met the DS/EN 1366-2 test criteria. In the final test, the fire damper was subjected to extreme conditions with temperatures reaching **up to 1000 degrees Celsius**. The damper demonstrated outstanding fire resistance, **lasting a full 118 minutes**, securing a fire insulation rating of **90 minutes**.

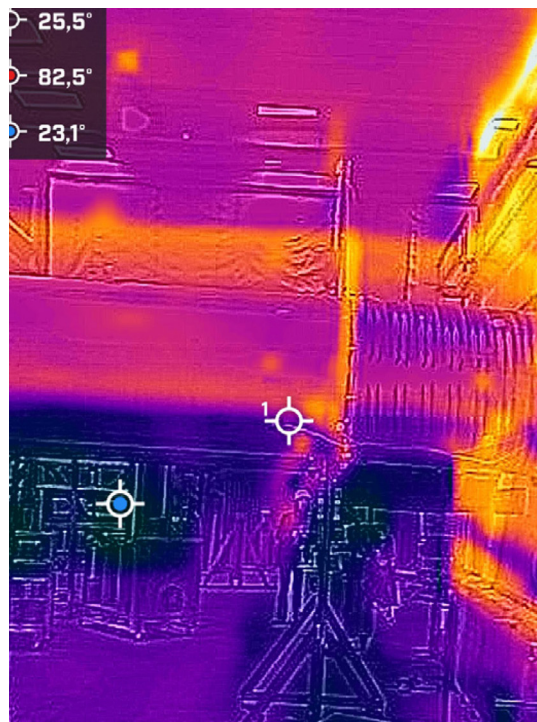
The FireSep fire damper is the result of dedication, innovation, and an unwavering focus on safety. We are proud to offer a product that sets new standards for fire protection in the industry.



**Fire insulation
class of 90 min**

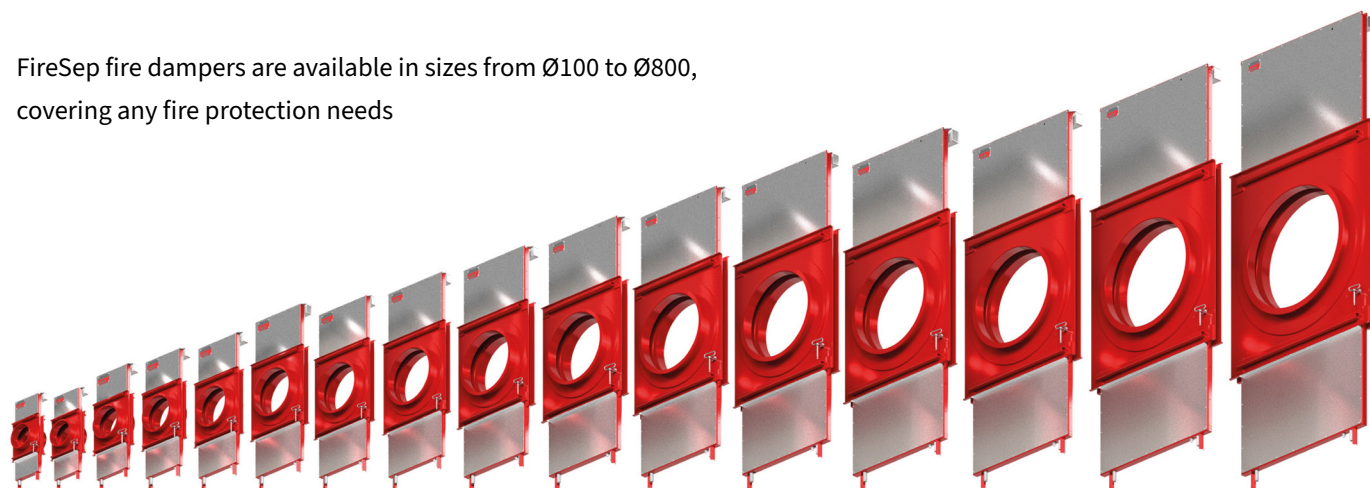


**Fire resistance
up to 1.000°C**



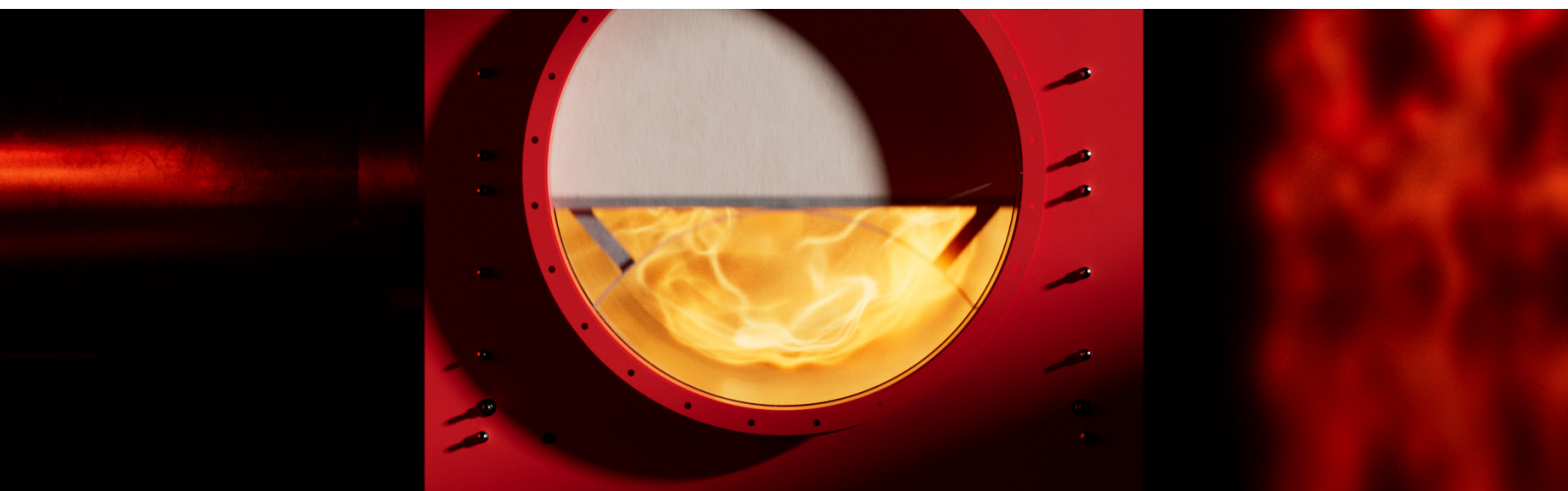
Available Sizes

FireSep fire dampers are available in sizes from Ø100 to Ø800,
covering any fire protection needs



Data for FireSep (all measures are approximately values)

DN [mm]	100	150	160	200	224	250	300	315	355	400	450	500	560	600	630	710	800
Height [mm]	770	920	950	1070	1162	1230	1373	1414	1535	1670	1820	1970	2332	2352	2442	2682	2952
Total width [mm]	530	580	590	630	654	680	730	745	785	830	880	930	990	1030	1060	1140	1230
Weight [kg]	53	64	67	74	80	85	96	100	109	121	152	165	185	200	206	236	256





FireSep A/S
Pioner Alle 16A
9200 Aalborg SV
Denmark

info@firesep.com

firesep.com