

# Shut-off damper<sup>®</sup>

**as a safety relevant interface  
between machine and central extraction system**



Without flange

The shut-off damper is often also called fire extinguishing damper – but this term is incorrect

- the shut-off damper cannot prevent flashover of jet flames
- the flushing pressure, viscosity, density and temperature of the cooling lubricant oil result in extremely diverse concentrations of ignitable mixtures in the working area of the machine. Therefore, the flashover speed of the pressure wave/jet flame cannot be calculated. A flashover into the central extraction system can only be prevented effectively with Pipeclean<sup>®</sup>-Ex.



With flange

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The shut-off damper has the following tasks:

- to prevent that fire-extinguishing agent is extracted from the "ignited" machine by the still running central extraction system.
- to prevent that fire, which may not yet have been extinguished, is drawn into the central filter system.

**The shut-off damper is, for example, used behind a Pipeclean®-Ex:**

Pipeclean®-Ex prevents flash-over and provides the necessary time span until the shut-off damper is closed.

The shut-off damper is activated via the components of the fire-extinguishing system (the time lag of the extinguishing system must be observed).

**"System guarantee of the Rerucha GmbH"**

**Rerucha™**

Technology  
for machine tools

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**... and also for the  
machine manufacturer!**