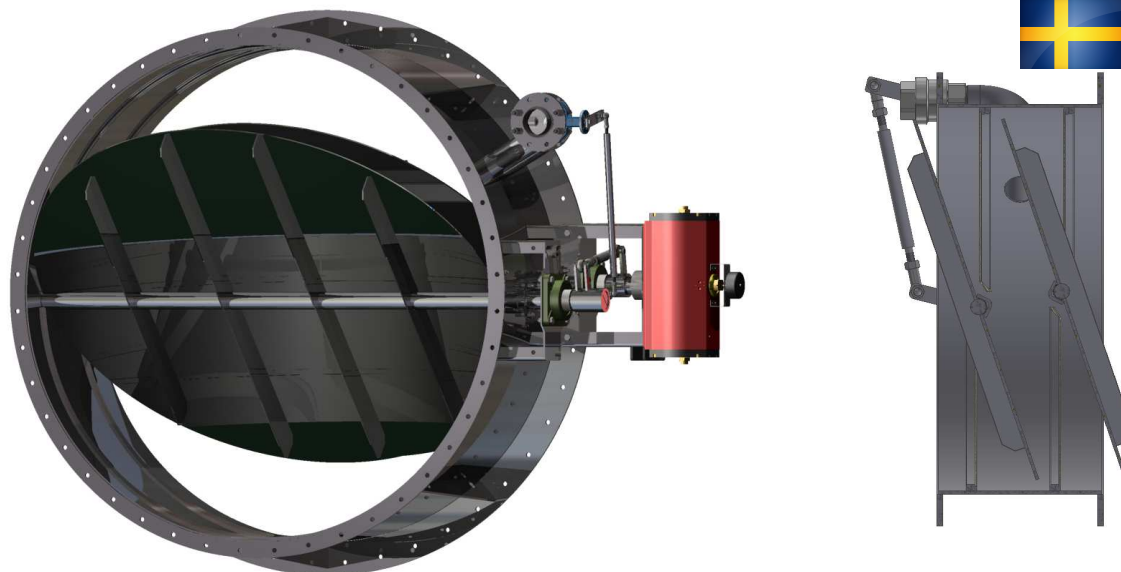


Air Sealing Damper – Type D / DT

Swedspjäll

Made in Sweden



DESCRIPTION

The air sealing dampers are 100% tight using an air sealing barrier.

Type D consists of two separate dampers, built together in one body, giving it a high level of security. The function can be viewed as two separate dampers in one unit.

Type DT is a “sandwich” design i.e. two damper blades with one shaft giving maximum strength combined with a low weight and short mounting length.

Depending on the application, **Type D** and **type DT** can be built as either Serie 200 or Serie 150. For more information regarding construction, see the separate datasheets for each series.

RANGE OF APPLICATION

For air, hot air and flue gases.

Max. temperature: 1100° C

Max. design pressure: 0,5 bar (g)

TECHNICAL INFORMATION

The systems works by a fan creating an overpressure between the two blades. This means that no aggressive gases can pass through the damper, since the air sealing pressure is higher than the gas pressure.

Serie 150/200-DT has been developed in co-operation with H. Bjarnehed (Phd in mechanics of materials). The produced computation module is based on a FEM-analysis as well as practical tests - providing us a unique possibility to calculate both the flexure of the shaft and the tension in the critical areas.

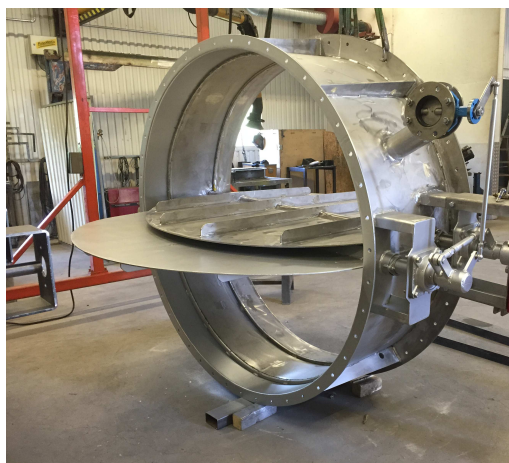
BENEFITS

The air sealing system provides the opportunity for work to be performed downstream of the damper during operation. By adding an air heater to the air sealing system, it can also be used as a barrier for aggressive gases where condensation of the flue gas can lead to serious corrosion problems.

Air sealing Damper – Type D / DT

Swedspjäll

Serie 150/200-D



Serie150/200-DT

