



systemair SPI-100 C Extract Air Iris Damper Instructions

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systemair SPI-100 C Extract Air Iris Damper



Description

Technical details can be found here

The SPI is an iris damper for measuring and adjusting the airflow. The SPI has the following specifications: low noise level, centrally-formed air flow, and fixed test points for precise measurements. The damper also has an adjustable aperture that can be opened completely, which means there is no need for an access door for cleaning. Available in sizes \varnothing 80-800mm. The damper is manufactured from galvanized sheet steel and is fitted with a rubber seal tested for air-tightness. The permitted ambient temperature is 70 °C.

This device can be used for exhaust air.

Mounting

The SPI adjustment damper must be installed in accordance with the distances required to minimize air-flow deviation. Reducing or enlarging the duct to the next duct size does not require any specified distances for minimizing deviation. The SPI enables the taking of precise air-flow measurements at all points including points close to duct deviations such as T junctions and bends, and points in front of other supply-air devices.

Protective distance

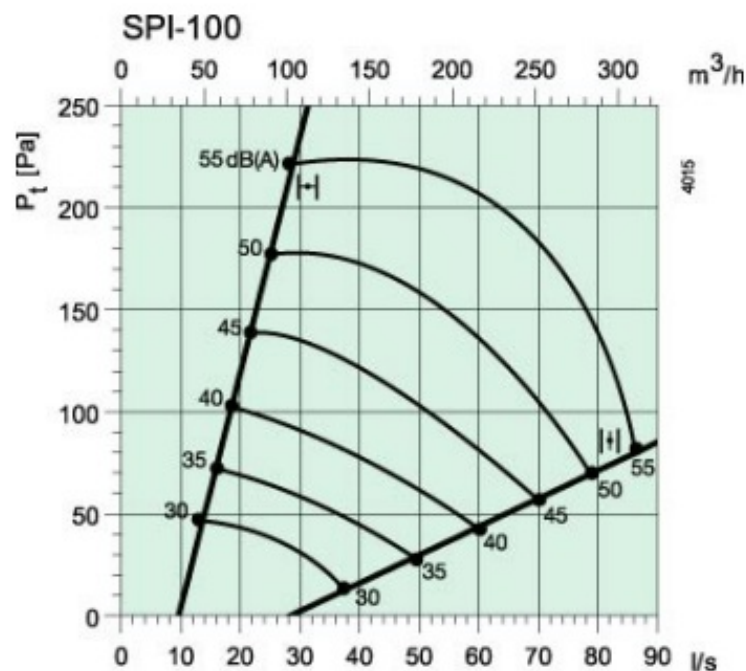
- before bends – 1 x D
- after – 1 x D
- before T-pipes – 3 x D
- after – 1 x D
- before supply-air

Technical parameters

Air tightness class C

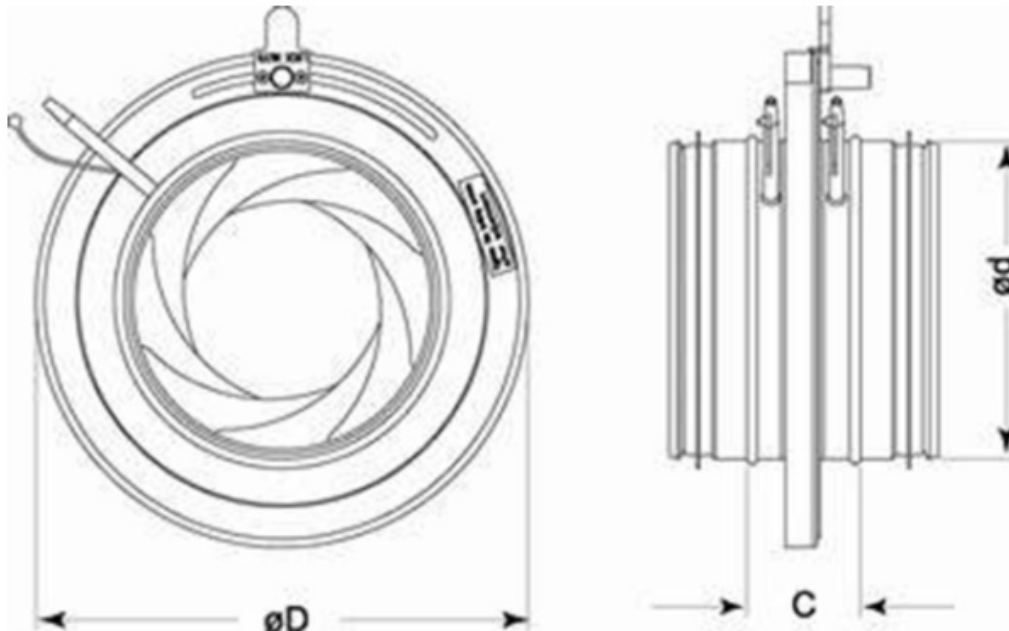
Weight 0,8 kg

Diagram



- Mid-frequency band, Hz

Dimensions



øD C øD

- SPI 80 79 58 134
- SPI 100 99 48 163
- SPI 125 124 50 210
- SPI 150 149 50 230
- SPI 160 159 52 230
- SPI 200 199 58 285
- SPI 250 249 90 333
- SPI 300 299 56 405
- SPI 315 314 90 406
- SPI 400 399 90 560
- SPI 500 499 90 644
- SPI 630 629 90 811
- SPI 800 798 70 1015

Accessories

• Documentation

- SPI_205236_IMO.pdf (424,94kB)
- SPI 100.dxf (17,49kB)
- BVD Iris damper SPI ID7.pdf (751,37kB)
- SPI_K-factor_diagram_20181002.pdf (478,56kB)

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Documents / Resources



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Manuals+.