Round transition multi-blade dampers

PWR

Application

PWR round transition multi-blade dampers are used for airflow control and shutoff in rectangular air ductwork.
They offer a much finer control of airflow than the previously used single-blade round dampers.
Working temperature: -20 to +90°C,
(50°C with actuator)

Material

PWR dampers are based on the PW damper, therefore standard designs of the PWR damper correspond to those of the PW damper. The square damper is equipped with round transitions that are suitable for connecting to a SPIRO system.

Finishing

The construction of the dampers ensures very good air tightness characteristics in the closed position and a low airflow resistance when they are open.

Hygenic certificate no. HK/B/1121/03/2007.

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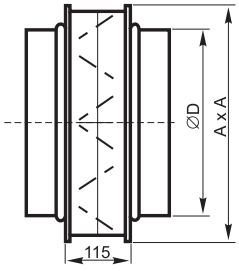
Dimensions



Typical dimensions

size	ØD [mm]	AxA [mm]	weight [kg]
400	397	470	6,5
500	497	570	9,8
630	627	690	11,9
710	707	770	13,6
800	797	870	18,4
1000	997	1070	24,6
1250	1247	1310	34,9

Technical data

Because the construction of the PWR damper is based on the PW damper, its technical parameters are described using the charts and nomograms that represent the data for the PW damper.

Drive

1 – damper with an actuator
2 – damper with manual control mechanism
3 – damper with an extended shaft

Product symbolic description - how to order

PWRII-A-200-T1-UP

PWR **W** - **P** - **D** - T **N** - **G**

W type*
II **frames are fitted, external gears**
III frames are fitted, external gears

P wariant*
A **aluminum blades, casing from galvanized steel**
U aluminum blades with seals, casing from galvanized steel blades
O feathers and casing from galvanized steel blades
G galvanized steel blades with seals casing from galvanized steel
N feathers and casing from stainless steel blades
M stainless steel blades with seals, casing from stainless steel
S aluminum blades with seals, casing from galvanized steel blades increased tightness in the closed position (class 3-4 according to EN-1751)
S-Ex version for hazardous explosion areas (type II)

D diameter of the damper [mm]

N type of drive*
1 with actuator
2 **manual mechanism**
3 for use with an actuator

U sealing of the connecting*
- **without seals**
U seals on the connectors

* optional values – lack of them will cause application of default values