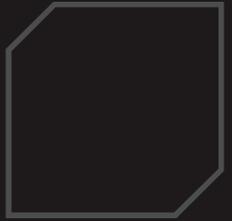


# PWR

## MULTI-BLADE DAMPER WITH A CIRCULAR CONNECTOR



### Description:

A rectangular multi-blade damper with a circular connector with backward or concurrent blades and used for airflow control or closing. Controlled manually or by an electric actuator.

### Intended Use

PWR circular multi-blade dampers are used for precise airflow control or closing in circular ventilation ducts. Operating temperature: -20 °C to +90 °C, (+50 °C for the actuator version).

The device holds hygiene certificate no. HK/B/1084/04/2012.

### Design

PWR dampers are made on the basis of PW dampers. Therefore, PWR damper versions match the PW damper versions. A rectangular damper is equipped with circular connection pipes and adjusted for connecting with SPIRO systems.

The design of the dampers ensures low air resistance when open and if dampers with blades with edge gaskets are selected, it ensures good tightness parameters in a closed position as well.

### Manufacturing Versions

Type:

- **PWII-U** Shut-off damper (class 1 or 2)
- **PWII-O** Control damper
- **PWII-N** Stainless steel damper
- **PWIIS** Airtight damper (class 2 or 4)
- **PS** Airtight damper (class 2)
- **PW0-O** Control damper
- **PW0-N** Stainless steel damper
- **PWW-U** Shut-off damper (class 1)
- **PWW-O** Control damper
- **PWW-N** Stainless steel damper

Drive:

- **T1** – Damper with an actuator
- **T2** – Damper with a manual mechanism
- **T3** – Damper with an extended axle (for the actuator installation)

### Dimensions

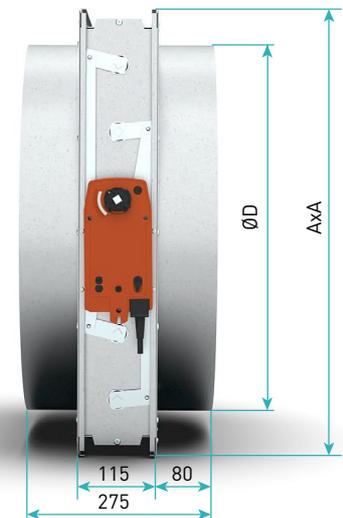


Figure 1. PWR damper dimensions.

Table 1. Standard dimensions of PWR-PWII-O-T2 dampers.

DN [mm]	ØD [mm]	A x A [mm]	Weight [kg]
400	397	460	9.1
500	497	560	12.0
630	627	690	16.3
710	707	770	19.2
800	797	860	22.3
1000	997	1060	30.7
1250	1247	1310	43.1

### Technical Data

Due to using inserts coming from different types of dampers for constructing PWR dampers, nomograms and graphs appropriate for the specific insert used are applied to determine technical parameters.

## AIRFLOW CONTROL AND DISTRIBUTION

SN

SN



# PWR – Multi-blade damper with a circular connector

When ordering, please provide information as follows:

PWR - <M> - <D> - <G> / <ADD> - T - <N> - <KL>

Where:

M	Material*
	<b>None</b> – Galvanised steel
	SN – Stainless steel
D	Damper diameter min. 200 max. 1250 mm
G	Connection seal*
	<b>None</b> – No gaskets
	UP – Seal on the service lines
ADD	PWR damper insert*
	PWII-U – Shut-off damper
	<b>PWII-O</b> – Control damper
	PWII-N – Damper made of stainless sheet metal
	PWIS – Airtight damper (class 3 or 4)
	PS – Airtight damper (class 2)
	PWO-O – Control damper
	PWO-N – Damper made of stainless sheet metal
	PWW-U – Shut-off damper
	PWW-O – Control damper
	PWW-N – Damper made of stainless sheet metal

N	Drive type*
	1 – With an actuator
	<b>2</b> – Manual mechanism
	3 – For an actuator
KL	EN 1751 leakage class*
	AX – Housing: A, baffle: none (for PWW-O and PWW-N only)
	<b>BX</b> – Housing: B, baffle: none (for PWII-O, PWII-N, PWO-O and PWO-N only)
	A1 – Housing: A, baffle: 1 (for PWW-U only)
	B1 – Housing: B, baffle: 1 (for PWII-U of the surface area A x B < 0.25 m <sup>2</sup> only)
	A2 – Housing: A, baffle: 2 (for PWIS only)
	B2 – Housing: B, baffle: 2 (for PWII-U of the surface area A x B ≥ 0.25 m <sup>2</sup> and PS only)
	C2 – Housing: C, baffle: 2 (for PS only)
	C4 – Housing: C, baffle: 4 (for PWIS only)

\* Optional values, if not specified, the default values will be used

Sample order: **PWR-630-UP/PWII-O-T3-BX**