

PWR

ROUND TRANSITION MULTI-BLADE DAMPERS



SMAV

Characteristic:

Round transition multi-blade damper PWR, with opposed or parallel action blade, using for controlling or shutting-off the air flow. PWR may be adjusted to a manual or automatic (actuator) control system.

Intended use

PWR round transition multi-blade dampers are used for airflow control and shutoff in rectangular air ductwork. Working temperature:

-20°C to +90°C, (+50°C with actuator).

Hygienic certificate no. **HK/B/1084/04/2012.**

Finish

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.

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

Variants

Type:

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

Drive:

- **T1** Damper with actuator,
- **T2** Damper with manual mechanism,
- **T3** Damper with extended axle.

Dimensions

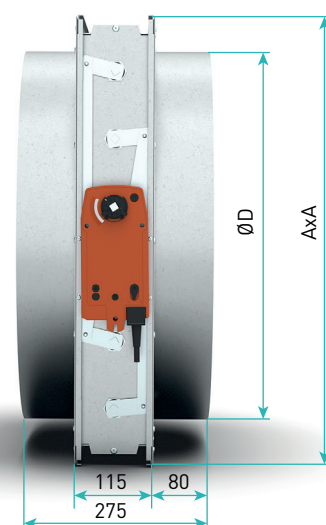


Figure 1. The PWR dimensions.

Tabela 1. The PWR-PWII-O-T2 typical dimensions.

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

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.

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PWR – Round transition multi-blade dampers

Please provide the following information when ordering:

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

Where:

M	material*
	none - galvanised steel
	SN - stainless steel
D	diameter of the damper min. 200 max. 1250 mm
G	seals on the connectors*
	none - without seals
	UP - seals on the connectors
ADD	damper composition PWR*
	PWII-U - shut-off damper
	PWII-O - regulating damper
	PWII-N - stainless steel damper
	PWIIS - airtight damper (class 3 or 4)
	PS - airtight damper (class 2)
	PWO-O - regulating damper
	PWO-N - stainless steel damper
	PWW-U - shut-off damper
	PWW-O - regulating damper
	PWW-N - stainless steel damper

N	type of drive*
	1 - with actuator
	2 - manual mechanism
	3 - fitting for actuator
KL	air leakage class in accordance with EN 1751*
	AX - casing: A, blades: none (only for PWW-O, PWW-N)
	BX - casing: B, blades: brak (only for PWII-O, PWII-N, PWO-O, PWO-N)
	A1 - casing: A, blades: 1 (only for PWW-U)
	B1 - casing: B, blades: 1 (only for PWII-U area AxB < 0,25 m ²)
	A2 - casing: A, blades: 2 (only for PWIIS)
	B2 - casing: B, blades: 2 (only for PWII-U area AxB > 0,25 m ² , PS)
	C2 - casing: C, blades: 2 (only for PS)
	C4 - casing: C, blades: 4 (only for PWIIS)

* optional values - default will be used if optional values are not specified

Order example: **PWR-630-UP/PWII-O-T3-BX**