

# Product Data Sheet

## Sonic Nozzle (Venturidüse) DA-PWO...

Version: 1.1.0

Author: Guido von Kruedener

Date: 13.10.2016

### Application

Flow limiters of the DA-PWO series are designed to protect an adsorption dryer against excessive flow velocities.



### Features

The design of the limiter is based on Bernoulli's formula and consists of a converging section with a round profile and a cylindrical neck.

Due to the strength, the flow limiter is dimensionally stable at higher temperatures and flow velocities. The design and manufacture of the flow restrictor comply with the requirements of ISO 5167.

### Assembling

The DA-PWO is mounted on the adsorption dryers of sizes DPS1 to DPS8 by screwing it into the inlet of the afterfilter.

This is flanged to the valve plate. The nozzle is thus no longer visible.

For the adsorption dryers of size DPS10 to DPS100, the nozzle is screwed into the outlet of the afterfilter. The continuing pipe is screwed onto the external thread of the flow limiter.

# Product Data Sheet

## Sonic Nozzle (Venturidüse) DA-PWO...

Technical alterations reserved

Stand 05.07.2016

latest version under: [www.fstweb.de](http://www.fstweb.de)

### Basic data

Size from/up to	Nom. Volume flow	Min./Max. Operating pressure	Min./Max. Operating temperature
DA-PWO-SN-B10	1 m <sup>3</sup> /h	0,02 bar(a) – 17 bar(a)	+2 °C – +60 °C
DA-PWO-SN-B50	1.000 m <sup>3</sup> /h		

### Maintenance Rules

All models	The sonic nozzles of the DA-PWO series do not require any maintenance.
------------	--

### Product specific characteristics

Characteristics	
Nozzle diameter	The nozzle diameter will be sized individually according to the operating conditions

### Materials

Material	
Soniz nozzle	brass

### Connections and wrench size

Size	Connection	Wrench size		
DA-PWO-SN-B10	G 3/8	19		
DA-PWO-SN-B15	G 1/2	24		
DA-PWO-SN-B25	G 1	41		
DA-PWO-SN-B40	G 1 1/2	60		
DA-PWO-SN-B50	G 2	60		

### Classification according to Pressure Equipment Directive 2014/68/EU (PED) for FG 2

Size	Volume	Category
All sizes	There is no classification according to the Pressure Equipment Directive.	