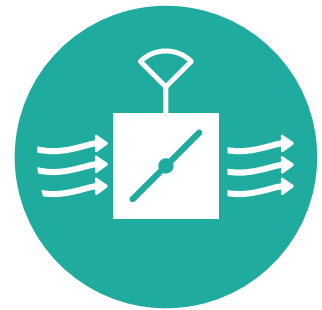
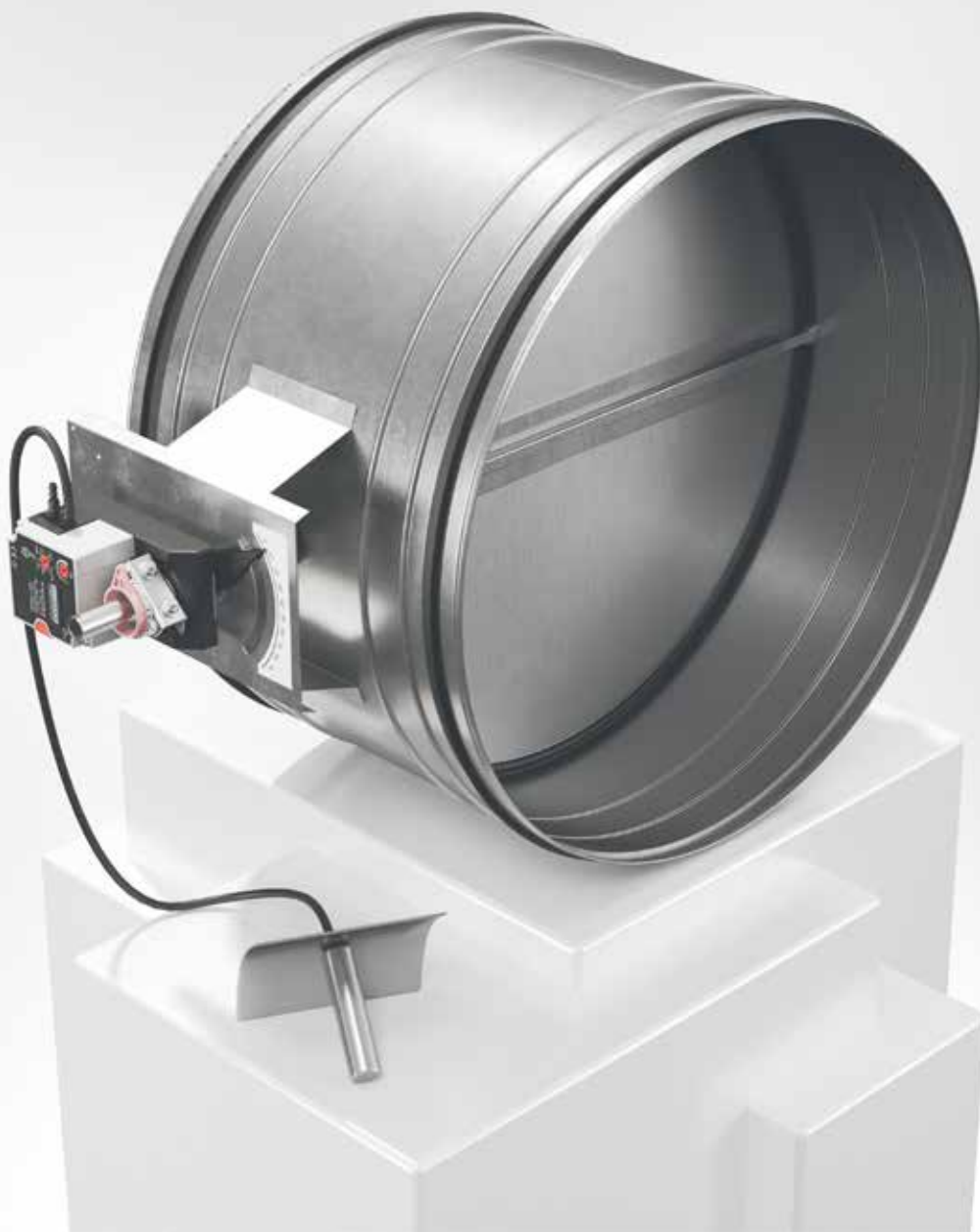


# BVAPd-1

Circular constant pressure  
holding damper



VAV, CAV & FLOW  
MEASURING DAMPERS



25/04/2018

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**BVAPd-1**  
Regulating



**BVAPd-1**  
Regulating with spring return



## Quick facts

- Sizes Ø100 mm to Ø630 mm
- Pressure sensor range 0-300 Pa
- Adjustable setpoint on site
- Display shows the current pressure
- Modbus communication is available as an option

## Description, use

BVAPd is an electronic damper for constant pressure holding in all types of ventilation systems. The BVAPd consists of a damper with a regulating actuator featuring an integrated static pressure sensor or a regulating actuator with spring return and a regulator with static pressure sensor. You can easily set the desired setpoint using the rotary control and read the current pressure on the display. Modbus communication is available as an option.

## Material and surface treatment

Casing and components of hot-dip galvanized sheet steel according to corrosion class C3. Nylon bearings and cellular plastic seals.

The damper is supplied as standard in pressure class A and leakage class 1. Alternative casing and component materials available on request for higher pressures and environmental requirements.

## Technical data

Dimensioning diagrams and sound data, see separate product sheet for BRTA.

## Specification

Examples:	<b>Constant pressure holding damper</b>
	<b>BVAPd - 1 - 160 - 1 - 3</b>
Type:	
Circular	= 1
Size:	
Ød mm per size table	
Actuator:	
Regulating	= 1
Regulating with spring return	= 3
Pressure sensor:	
0-300 Pa	= 3
Accessories:	
<b>Union piece</b> (max Ø 400 mm)	
<b>Silencer</b>	



## Size and weight

**Regulating**

Size Ø d	A	B	Weight kg
100	145	231	1,1
125	138	223	1,2
160	138	223	1,5
200	138	223	1,7
250	138	223	2,0
315	138	223	2,6
400	218	310	4,5
500	218	310	6,0
630	218	310	7,0

d = Swedish Standard SS 2609

**Regulating with spring return**

**Weight control unit and actuator**

Actuator:

- Regulating 0,5 kg
- Regulating with spring return incl. regulator

## Electrical data

### BVAP-1, regulating actuator

Supply voltage: 24V AC/DC +-20%  
 Output: 2,5 W (5 VA)  
 Sound level: 35 dB(A)  
 Ambient temp.: 0°C - 50°C

### BVAP-1, regulating actuator with spring return

Supply voltage: 24V AC/DC +-20%  
 Power actuator: 5 W (6,5 VA)  
 Power GUAC: 0,6 WA (1,3 VA)  
 Sound level motor: 35 dB(A)  
 Sound level spring: 65 dB(A)  
 Ambient temp.: 0°C - 50°C

## Installation

The pressure sensor is mounted in an appropriate position in the duct downstream of the damper, with the arrow in the direction of the airflow. Ensure that the metering tube is secured to both the pressure sensor in the duct and on the static sensor on the damper. If the damper is mounted in an extract air duct, the metering tube should be moved to the negative nipple on the static pressure sensor.



# Constant pressure holding damper BVAPd-1

## Function, Connection

BVAPd with its static pressure sensor does not need to be calibrated from the factory. The maximum pressure is set to 0 Pa during installation and the desired setpoint is adjusted on the minimum pressure for constant pressure holding the actual value.

## Wiring diagram

