

## Side Channel Blower for Appliances





Topas Side Channel Blower SCB 910

## Principle

In applications which only have an average differential pressure, conventional pump principles such as piston and diaphragm are often over-dimensioned with respect to the attainable compression.

Furthermore this property is combined with a reduced efficiency and the associated high energy consumption.

An alternative is to use a side-channel blower. Topas further developed this widespread principle of a turbo-machine with the aim, to provide the user with a modern and compact blower, the SCB 910, which can be used e.g. in a portable measuring instrument.

#### **Special Advantages**

- Low energy consumption by very high power efficiency
- Low power consumption at high pneumatic power
- Outmost compact design
- Modular design principle selectable components
- Easy maintenance and repair
- Blower may be part of a supporting structure
- Fixing elements to fix blower inside a device are freely configurable

#### Applications

- Energy efficient generation of a carrier airstream for measurement applications
- Rugged volume flow source to be installed in handheld devices and other mobile devices.



Blower characterisitic of the SCB 910

# **Specifications**

## Details

- Optimised fluid dynamic design
- Designed as a single block consisting of compressor unit with motor, flow channels and connections for peripheral components

The new Topas blower is made of plastic, has a low weight, and needs only small installation space.

Due to the special design of the internal geometry a very high efficiency and thus a low power consumption is achieved. This advantage is particularly important for off-grid power supplies (battery power) and the dimensioning of the device's internal power supply.

Motor and control electronics are standard products of well-known brand manufacturers.

Other interesting features are gas-tightness and a variety of customer's options for media connections.



Side Channel Blower SCB

## **Technical Data**

Volume flow rate	max. 210 l/min
Pressure difference	max. 55 mbar
Power consumption	max. 30 W
Drive	DC motor, brushless, controllable speed
Power supply	24 V DC (SCB 910) or 12 V DC (SCB 911)
Dimensions	Ø 120 mm, height 50 mm without fluid connectors
Weight	320 g



Dimension (information in mm)

QMS certified to DIN EN ISO 9001.



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For more information please visit our website at www.topas-gmbh.de

Specifications are subject to change without notice.

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