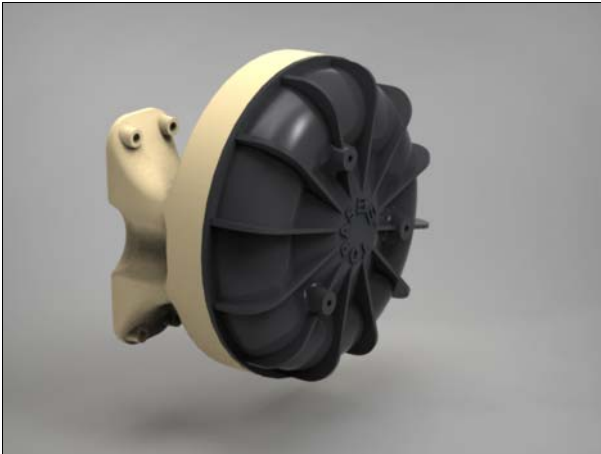


## Side Channel Blower for Appliances

## SCB 910



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.

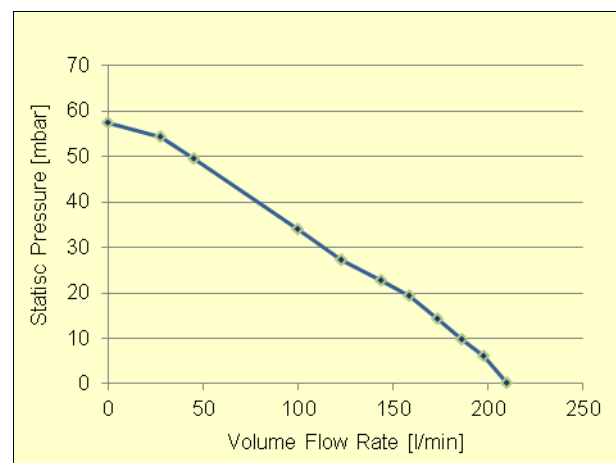
An alternative is to use a side-channel blower. Topas further developed this widespread principle of a turbo-machine with the aim, to provide the user with a modern and compact blower, the SCB 910, which can be used e.g. in a portable measuring instrument.

### 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 characteristic 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

QMS certified to  
DIN EN ISO 9001.



12 100 11908 TMS

For more information please  
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[www.topas-gmbh.de](http://www.topas-gmbh.de)

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