

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.

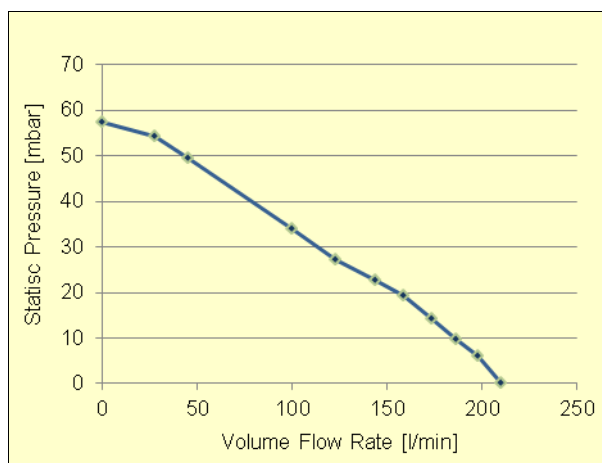
An alternative is to use a side-channel blower. Topas further developed this widespread principle of a turbo-machine with the aim, to provide the user with a modern and compact blower, the SCB 910, which can be used e.g. in a portable measuring instrument.

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

- optimized 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.

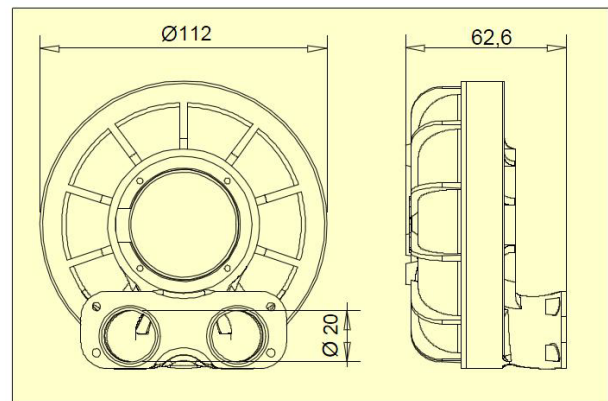
Other interesting features are gas-tightness and a variety of customer's options for media connections.



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 (in mm).

QMS certified to
DIN EN ISO 9001.



12 100 11908 TMS

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

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