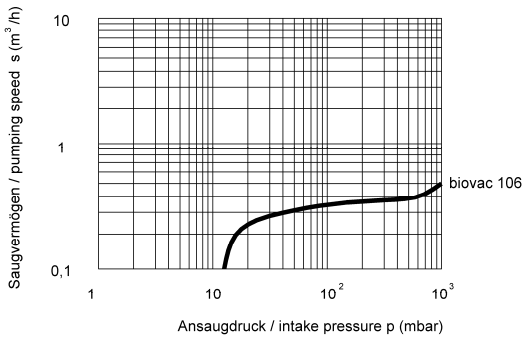
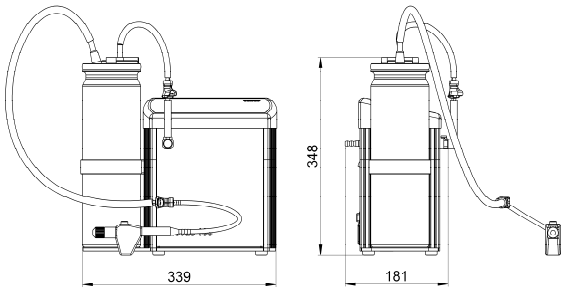
Data Sheet (DE)

Translation of the german original

Figure	Designation	Pumping speed / Intake pressure Diagram
	**Aspiration System** **biovac 106** *Order no.* **112037**	

Technical Data		
Parameter	**Data**	**Unit**
Pumping speed 50/60 Hz	0.72	m^3/h
	12 / 16	l/min
Ultimate pressure	< 100	mbar
Maximum inlet - / outlet pressure	1	bar
Reference surface sound pressure level DIN EN ISO 2151	< 45	dB (A)
Suction connection	Pipettor *(handvac professional set - 112580)*	-
Exhaust connection	Hose nozzle DN 8 for hose inside Ø 8 mm	-
Secretion glass container	2	L
Ambient temperature	+ 10 to + 40	℃
Medium temperature	+ 40	
Bearing	maintenance-free	-
Voltage, Frequency	115/230, 50/60	V, Hz
Power	0.45	W
Operating mode	S1	-
Type of protection DIN EN 60529	IP 40	-
Fine fuse	F 3.15	A
Dimensions without hoses **(W/D/H)**	339 / 181 / 348	mm
Weight	8.0	kg

Dimensions	Areas of application
	The Aspiration System is intended for: • the safe and precise extraction and catching of liquid and non-explosive excess fluids • use in the chemical, biological and medical areas • generating a vacuum down to an ultimate pressure < 100 mbar

Data Sheet (EN)

Translation of the german original

Design	Principle of Operation
A filter holder for a PTFE filter is located between the secretion glass container and the diaphragm pump. Filters down to a minimum pore size of 0.22 µm may be inserted in this holder. According to the filter fineness used, it is possible to achieve different types of filtration, enabling, among other uses, the handling of bacteria and viruses. The cap of the secretion glass container consists of a plastic cap with a seal. A quick coupling is used for the connection to the diaphragm pump. It is provided with a stop valve. The used-resistant diaphragm pump used has a long useful life. Secretion container and handvac are connected with a hose. After disconnecting the unions, the two flexible tube ends at the container may be connected to one another to ensure safe transport. The Aspiration System is switched on and off directly at the device switch or the optionally available foot switch. The user appropriate pipette tips can be used in the respective adapter of the handvac. All hoses located outside of the Aspiration System are made of silicone.	The biovac Aspiration System with an integrated resistant diaphragm pump is used for the safe and precise aspiration of non-flammable chemical and biological liquids. The fluids can be removed easily and very precisely from slides, Petri dishes, cell culture containers etc., by using different pipets or glass tips which are inserted into the handvac. The integrated secretion container has a built-in float valve. This valve shuts the suction line automatically as soon as the maximum fill level is reached. A hydrophobic PTFE filter with a suitable filtration grade is inserted in order to provide additional safety. The scope of supply includes a filter with a filtration grade of 1 µm.

Accessories		Accessories	
	**Foot swith** For switching the aspiration system on and off. ***Order no.*** **112529**		**Mains connection cable IEC with plug type 12 (CH)** for system in 230 V ***Order no.*** **825877**
	**handvac basic Set** - handvac Pipettor with adapter - Silicone hose 2 m, inside ø 4 x 1.5 mm - Single Channel Plastic Adapter for tip with ejector - Coupling with hose connector for silicone hose ***Order no.*** **112580-01**		**Eight-Channel plastic adapter with ejector** For insertion with rubber adapter gasket in the pedestal of the handvac adapter connection. ***Order no.*** **828852-04**
	PTFE - Filter 1 µm for cover of secretion glass container ***Order no.*** **828840-2**		**Inline filter (10 pack)** 0.22 µm hydrophobic ***Order no.*** **112555-04**

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