

# SURGICAL ASPIRATORS FOR HIGH SUCTION PROCEDURES

Suction Pump is used for suction of blood septic fluids and serous liquids from natural and artificial body orifices of patients in surgery and first aid. The suction pump is powerful, oil-less 60 l/min. Body is epoxy painted and made of non-magnetic anticorrosion aluminum with wheels and equipped with autoclavable or disposable jars according to end user needs.

**6110-A4 JUNIOR**  
**CODE: 66134.P**

ELECTRICAL SURGICAL ASPIRATOR  
In compliance with all standards and  
Medical Device Directives  
DDM 93/42 CEE (D.Lgs. 46/97)  
and subsequent amendments  
and additions (2007/47/CE)  
(RDM: 12748/R – CND: Z120105)



*Technical characteristics:*

**HIGH-VACUUM HIGH-FLUX**  
Air flow: 60 l/min, (3,6 m<sup>3</sup>/h).  
Vacuum level: up to 0.85 bar ± 5% (640 mmHg ± 5%)  
Adjustable vacuum regulation: 0 to -0,85 bar  
Time to reach 0,6 bar: 6,80" with 2000 ml jar

Working: CONTINUOUS OPERATION  
Rated voltage: 230 V ± 10%, 50 Hz  
Rated power / current: 95 VA  
Electrical safety: class I, type B  
Degree of protection: IP33  
Operation noise level 1mt: < 45 dB

Estimated operating life: 10 years  
Spare parts availability: 15 years

**NON-MAGNETIC ALUMINIUM** wheeled case  
High corrosion resistance epoxy painted  
Compact design and small size  
4 arms aluminum trolley  
4 wheels with brake diam 80 mm  
Width 550, Depth 450, H. 940 mm  
Weight 12,00 Kg.

Mechanical vacuum regulator  
High width and visibility Vacuum gauge from 0 to -1 bar  
Changeover suction switch, jar 1 – jar 2  
Pneumatic footswitch

Anticontamination with hydrophobic bacterial/viral filters  
Four excessive antiffilling devices,  
with two floating overflow valves in the cap,  
and two 100 ml jars with floating overflow valves

Working conditions: 15 – 40 °C, 10 - 75 % RH  
Storage conditions: 10 – 60 °C, 10 - 95 % RH  
The unit is under warranty from the dealer that sold  
you the unit



**6110-A4 JUNIOR code: 61134.P**

INCLUDED ACCESSORIES SET		
60750.1	Socket, cable and connector	n. 1
90067	Polycarbonate jar 4000 ml with cap and overflow valve (Graduated 4000 ml)	n. 2
90021	Clamp holder for jar 4000 ml	n. 2
90068	Over flow jars 100 ml with floating over flow valve	n. 2
66974	Antibacterial/viral filter 11x11 mm	n. 2
66233	Silicon tube 7x13mm	4 m
60777	Changeover suction switch	n. 1
66180	4 arms aluminum trolley 4 wheels with brake diam 80 mm	n. 1
81016	Pneumatic footswitch	n. 1
OPTIONAL		
66609	Hydrophobic "LIQUID STOP" Filter Polycarbonate Jar 2000 ml Polycarbonate jar 3000 ml Disposable bags and jars	n. 2

SIEM-NOVA cares about the environment, using materials that are easily recyclable and eco-friendly;  
reserves the right to make technical changes and improvements to its machines at any time and without notice, in compliance with safety and quality.

**Siem-Nova s.r.l.** - Singly held company - VAT: IT-11578000157 - Street Claudio Varalli n° 1 - 20089 ROZZANO (Mi) Italy



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# SURGICAL ASPIRATORS FOR HIGH SUCTION PROCEDURES

6110-A4 JUNIOR  
CODE: 66134.P



Antibacterial/viral filter 11x11 mm

Hydrophobic "LIQUID STOP" Filter (OPTIONAL)

Changeover suction switch

Over flow jars 100 ml with floating over flow valve

Clamp holder for jar

Polycarbonate jar 4000 ml with cap and overflow valve (Graduated 4000 ml)

4 arms aluminum trolley 4 wheels with brake diam 80 mm

Pneumatic footswitch

CE0051

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# ANTIBACTERIAL AND ANTIVIRAL HYDROPHOBIC FILTERS

## to be used with organic liquids collection surgical aspirators

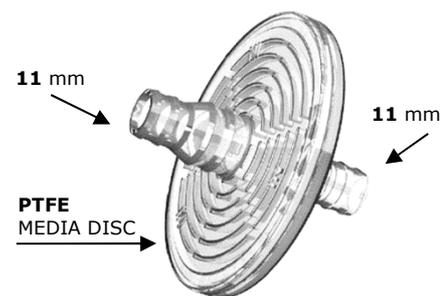
### "ANTIBACTERIAL / VIRAL" FILTER

The use of ANTIBACTERIAL/VIRAL filter avoids the contamination between the patient and the Siem-Nova surgical aspirator UNI EN ISO 10079/1 directive, point 44.7: effusion, loss, humidity, ingress of liquid, sterilization, disinfection. Mounted with pressure on the tube before the jar of aspirated liquids, of the surgical aspirator in order to avoid both the bacterial pollution of the aspirator and the introduction in the environment of polluted air. The filter is tested following BS 3928 tests and allows an efficacious removal of BACTERIAL and VIRAL micro particles. The PTFE filtering membrane is double acting and avoids the problems linked to the orientation of the aspiration. The Filter is transparent, done in STYROLUX with high resistance, very light prevents aspiration tube twisting.

In compliance with all standards and Medical Device Directives DDM 93/42 CEE (D.Lgs. 46/97) and subsequent amendments and additions (2007/47/CE)



Code	Description	Box
66974	ANTIBACTERIAL/VIRAL FILTER 11x11mm	Q.ty 30
66609	LIQUID STOP FILTER	Q.ty 30



**Technical characteristics:**

PTFE HYDROPHOBIC MEDIA DISC filtering membrane  
 High resistance acrylic and transparent STYROLUX casing  
 NELSON LABORATORIES USA TEST;  
 Removes particles from 0,27 µm with an efficiency of 99,9999%  
 Bacterial viral removal with a filtering efficiency of 99,9999%;  
 Filtering area 24.6 cm<sup>2</sup>  
 Maximum temperature ≥ 100 degrees C;  
 Maximum pressure ≥ 1,378 bar (137, 80 kPa )  
 Pressure tight 0.69 bar (69,00 kPa) for 10 minutes  
 Sterilization compatible with ETHYLENE OXIDE;  
 Materials used have passed the tests of plastic cito-toxicity



### "LIQUID STOP" FILTER



High-efficiency and reliability hydrophobic filter "LIQUID STOP"

Combined with the antibacterial filter the Hydrophobic filter "Liquid stop" effectively protect the suction pump not only by the body liquid over flow but also by the small drops in the air (aerosol) due to the suction operation; these small drops cannot be stopped by the over flow floating valve on the lid and usually are stopped by the antibacterial filter but often the operator does not replace this filter as indicated and sometimes this means to break the own filter and to contaminate and damage the pump.

All SIEM NOVA Suction equipment could be equipped with "LIQUID STOP FILTER"

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