

MN 090
MN 120

**CLASS II MICROBIOLOGICAL
SAFETY CABINET**



MN 090

MN Series Class II Microbiological Safety Cabinets offer first class protection for operator, product and environment from aerosols arising from handling of potentially hazardous and hazardous microorganisms manipulated inside the cabinet.

CONSTRUCTION

The outer body of the cabinets are made of epoxy-polyester painted steel. The working table is made of single piece stainless steel for easy cleaning and decontamination. The tempered glass window is resistant to UV light.

SAFETY OVER STANDARDS



The microprocessor control system of MN series assures a very safe operation. Airflow speed is controlled continuously by the microprocessor control system and airflow speed is always kept at 0.45 m/s by means of the automatic

speed compensation system against clogged main HEPA filter and the airflow speed is displayed digitally on the control panel.

As an advantage of microprocessor control system, there is an audible and visible alarm system for:

- Lower or higher airflow speed
- Power failure
- Open window
- Clogged exhaust filter

The height of the front opening is fixed to prevent from contamination by excessive opening of the window. Perfect air tightness of window is assured by means of gas spring assisted window compressing along its length to the seal and there is no risk of wearing out the window seal because of a sliding window.

To eliminate the risk of using the cabinet at half speed, the lighting is automatically extinguished at standby mode.

UV lamp is inside an enclosure placed to the front opening. As a result, there is no burning risk from UV rays and since UV light is not inside the cabinet, it does not disturb the laminar air flow.

By means of the on/off switch with key lock, the cabinet is prevented against unauthorized use.





SIMPLICITY OF USAGE

MN series are equipped with microprocessor control system and there is no need of any adjustment since everything is done automatically.

Easy to use control panel includes the keys and leds for the functions of the cabinet and there is also a key which operates UV light automatically for a duration of 15 minutes.

COMFORT OF USAGE

MN series safety cabinets are designed for the comfort of the users who may spend many hours working in a safety cabinet.



The noise level is very low, thanks to the very silent blower.

The fluorescent lamp is placed outside the cabinet not to disturb laminar air flow and to obtain powerful glare-free lighting and the white interior does not cause any harsh reflection.

The rounded arm rest located above the working table offers a comfortable operation by supporting the back and arms of the operator. As an other advantage of the arm rest, the air intake holes are not blocked by the operator's sleeves.

The limited depth of the cabinets (79 cm) allow them to pass easily from the entrances of the buildings and laboratories for easy installation.

EASE OF MAINTENANCE

Smooth chamber walls and rounded corners without soldering allow easy decontamination and white epoxy-polyester painting has high resistance to decontamination reagents and UV light.

There is no need to spend effort and time to clean the internal surface of the glass window. The gas springs supported window can be fully opened and stays at that position for easy cleaning.

Both main and exhaust filters can be exchanged easily in a very short time. The easily accessible electronic control system is situated outside of the contaminated zone.

D.O.P. test outlet is offered as standard.

MN series Class II Microbiological Safety Cabinets are not only designed for safety but also for convenience of use, comfort of the user and ease of maintenance.

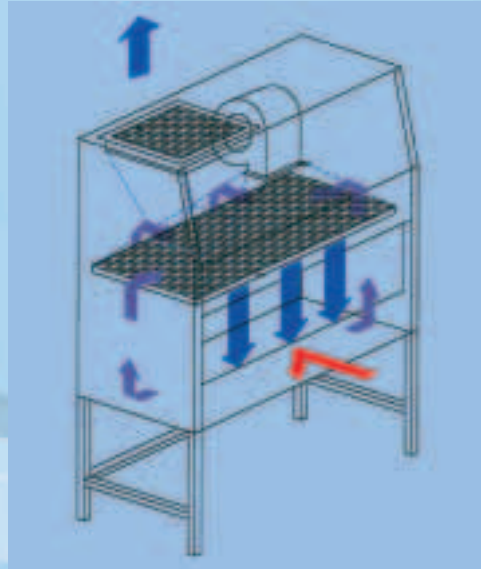
MN 120

TECHNICAL SPECIFICATIONS

	MN 090	MN 120
HEPA Filters	99.999 % efficiency for particles ≥ 0.3 μ m (H 14 class according to EN 1822)	
Cabinet	Epoxy Polyester painted cold rolled steel sheet 2 mm.	
Work Table	AISI 304 Stainless Steel	
Airflow Speed Control	Microprocessor control system with digital display and automatic speed compensation for raising filter resistance.	
Blower	High efficient centrifugal type with lifetime lubricated bearings	
Light	High intensity, Low voltage > 800 lux	
Noise Level	< 58 dBA	
Standard Accessories	Hour Counter, 2 pcs. Main power socket (16 A)	
Power Supply	230 V, 50 Hz	
Power Consumption	440 W	
Internal Dimensions (WxDxH) mm	885x630x630	1190x630x630
External Dimensions (WxDxH) mm	1050x790x1390	1355x770x1390
Packing Dimensions (WxDxH) mm	1240x920x1590	1540x920x1590
Net / Packed Weight kg.	149/203	191/263

ACCESSORIES

- S 17 004 Support Stand for MN 090
- S 17 003 Support Stand for MN 120
- M 08 019 Gas valve
- M 08 020 Vacuum valve
- K 04 301 Front enclosure with U.V. light for MN 090



Air Flow Direction



NÜVE SANAYİ MALZEMELERİ İMALAT VE TİCARET A.Ş.

Esenboğa Yolu, 22 km.
Akyurt 06287 ANKARA TURKEY
Tel : (90.312) 399 28 30-31-32 - 399 24 87
Fax : (90.312) 399 21 97
http ://www.nuve.com.tr
e-mail : nuveexp@nuve.com.tr



ISO 9001
ISO 13485