

55 years of
excellence



HyZone

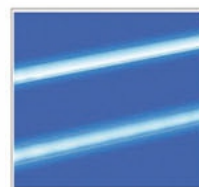
Biological Safety Cabinet

NSF Series Class II A2



Color Touch Screen

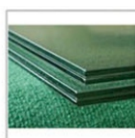
Touch operation, real-time and clearer display of various values and appointment timing function



UV Lamp
Emission Of 253.7
nanometers for
most efficient
decontamination



Exhaust Thimble canopy (optional)



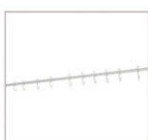
Front Window
Two-layer laminated
toughened glass
>5mm, anti UV



Foot master Caster
Universal caster
with brake and
leveling feet.



Wind Speed Sensor



**Stainless Steel
I.V. Bar with
10 hooks**



**SS Water Tap
& Gas Tap**



Waterproof Socket



**Work Zone
Unibody design**

Key Features:

- 7-inch LCD Touch Screen HMI Display:** Real-time display of system parameters, including date/time, cabinet status, filter pressures, UV lamp and filter usage hours, airflow velocities, filter life, humidity, temperature, system runtime. The display also features indication for fan, sash, light, and UV lamp. Cabinet is fitted with pressure sensors to detect pressure drop across the supply filter. There is indication of display also for filter pressures
- Password Protection:** A customizable power-on password prevents unauthorized personnel from operating the system.
- EC Fan Control:** The fan automatically adjusts airflow to maintain optimal flow.
- Power-Off Memory Function:** The system retains its previous state upon power restoration, with visual alarm prompts.
- Integrated Operation Area Design:** The design facilitates easy disassembly and cleaning of the operation area.
- Real-Time Air Velocity Monitoring:** A velocity sensor detects airflow velocity in real-time, ensuring optimal system performance.
- The cabinet automatically reduce fan/blower motor speed to 30% when the front window sash is in closed position to ensure reduced energy consumption when the cabinet is not in use
- Modular Cabinet Design:** The cabinet can be separated from the adjustable base, which can be customized to different heights.
- Interlocking Functionality:** Interlocks are provided between the UV lamp and front window, UV lamp and fan, LED lamp, and fan and front window to ensure safe operation.
- Scheduling Function:** The system allows for timed start-up and shutdown of the safety cabinet, as well as scheduling of UV lamp, fan, and socket operation.
- Front Window Safety Feature:** The front window closure triggers a signal that enables the UV lamp's sterilization & disinfection function.
- Air Duct Design:** The negative pressure air duct features a filter structure that prevents foreign matter from entering the fan system.
- One-piece hand resting surface has a larger contact area with the arm and is more comfortable. Air speed adjustable with filter block.
- Ergonomic Design:** The cabinet is designed with a 10° inclination angle, providing a comfortable viewing angle and user-friendly operation.

Technical Parameters:

Model		HYZONE-2003IIA2-NSG	HYZONE-2004IIA2-NSG
Material		Work Zone: SS304 stainless steel.	
		Main Body: Cold-rolled steel with anti-bacteria powder coating (NSP series)	
Use material codes while ordering		Main Body: SS304 stainless steel (NSS series)	
External Size W*D*H mm		1087*775*2220mm	1300*800*1500mm
Internal Size W*D*H mm		910*600*660mm	1200*500*750mm
Work Surface Height		762mm	762mm
Max Opening		470mm	
Tested Opening		Safety height 254mm (10")	
Airflow Volume	Inflow	445m ³ /h(259cfm)	587m ³ /h(346cfm)
	Down Flow	60%: 649m ³ /h(382cfm)	60%: 863m ³ /h(507cfm)
	Exhaust	40%: 445m ³ /h(259cfm)	40%: 587m ³ /h(346cfm)
Front Window		Motorized. Two-layer laminated toughened glass≥5mm. Anti UV	
HEPA/ULPA Filter		Two, 99.995% efficiency at 0.3μm, filter life indicator / Two 99.995% efficiency at 0.12μm filter life indicator	
Filter Guard Type		Aluminum alloy frame, glass fiber filter paper	
Noise		NSF 49≤63dB	
Illumination		≥1000Lux	
Control / Display		Microprocessor Color touch screen. Pls select display options ordering – A - FPM and G – M/S	
Waterproof Socket		Two, total consumption: ≤500W , air flow system :- 70% air recirculation, 30% air exhaust	
Tap		Water tap*1, Gas tap *1	
Ground Resistance		≤ 0.10Ω	
Power Supply		AC230V, 50/60Hz/ AC115V, 60Hz, Full load Amps: 9A, BTU/Hr.: 1689	
Heat Emission		25°C is less than 200 W	
Consumption		400W	
Alarm		Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm	
Motor		EC motor, 115V or 230V acceptable, speed adjustable, high efficiency and low power consumption	
Material		Working area: 304 stainless steel Frame and decorative plate: cold-rolled steel with anti-bacteria power coating	
UV Lamp		20W	30W
		Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination	
Illuminating Lamp		10W*2	20W*2
		LED lamp	
Standard Accessory		LED lamp*2, UV lamp*2, Base stand, SS water tap*1, SS gas tap*1, Drain valve Waterproof sockets*2, Stainless Steel IV Bar with 10 hooks, Remote control	
Optional Accessory		Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Electric height adjustable base stand , HEPA FILTER -air flow system :- 70% air recirculation, 30% air exhaust	
Package Size(W*D*H) mm		1240*1060*1900	1540*1080*1900
Gross Weight(kg)		280	330
Certification		ISO 9001,ISO13485,CE,NSF49,IEC61010	

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