



Lens dust Filtration Unit
Lfu 220



Caring for people and the environment

The new generation "Filtration System" for lens edgers

With growing interest in environmental issues worldwide, an improvement in the disposal of lens processing waste is in high demand. The Lfu 220 NIDEK Lens dust Filtration Unit is the answer. Its unique "Hybrid System" separates the lens debris from the water, thereby reducing "total water" consumption, all in a user-friendly, compact design. Adhering to environmental policies and satisfying the eco-friendly mindset of patients and customers ultimately increases the value of your practice and business.



■ Uniquely Developed "Hybrid System"

The Lfu 220 features a sophisticated "Hybrid System", combining a traditional filtration style with the latest centrifugal filtration method.

The advantages of both methods are applied to the lens finishing process, resulting in a "separation" of the draining process, which in turn maintains clean circulating water for an extended period of time.

■ Ergonomic Design

The unit is equipped with useful notification functions. LED lights indicate the number of processed lenses and the amount of collected processing waste. A buzzer sound notifies the operator when lens debris disposal is necessary.

Easy operation is perfectly linked with NIDEK lens edgers. In addition, each part of the unit features safety functions.



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User-friendly Operation

Lens debris should be disposed of after processing approximately 100 lenses. Disposing of the processing waste is achieved by simply emptying the settling bucket. The waste is condensed into a single solid mass which can be disposed of easily, keeping the surroundings and operator's hands clean.



(Please follow local regulations when disposing of processing waste.)

Compact Design

The Lfu 220 can be stored inside any lens edger cabinet without occupying more space than the lens edger's footprint. The lens edger deodorizer, LED-200, can be stored together under the lens edger.



Water Conservation

A remarkably large amount of water consumption is significantly reduced compared to traditional methods, making the Lfu 220 eco-friendly. The use of cleansed water maintains a high quality polish and prevents foaming, therefore eliminating the need to add a chemical defoamer to the tank.

Amount of water consumption per lens



*1 Me 1200, LEX-1200, LE-1200

(data on file)

Water Tank

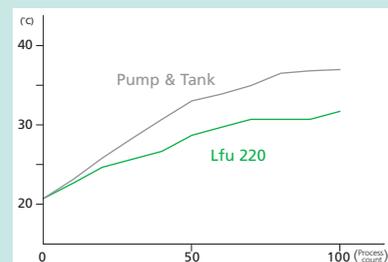
The unit's water only needs to be replaced every 1,000 lens cycles per 10 liters. *2

*2 When processing glass lenses, water needs to be replaced more frequently.

Water Temperature Stability

During continuous lens processing, the water temperature is stabilized, as the water flow has a cooling effect. This provides an improved size accuracy and a consistent finish.

Water temperature when processing continuously



(data on file)



Lfu 220 Specifications

System	Centrifugal Filtration System
Mode	Auto operation mode Manual operation mode
Waste collection capacity	Max 2.7 liters
Tank capacity	10.0 liters *1
Filtration efficiency	85% or more *2
Power supply	AC 100 to 120 / 200 to 240 V, 50 / 60 Hz
Power consumption	400 VA
Dimensions / Mass	444 (W) x 357 (D) x 464 (H) mm / 24 kg or less 17.5(W) x 14.1(D) x 18.3 (H) " / 52.9 lbs.
Standard accessories	Processing unit connection cable, Processing unit connection hose, Waste bucket, Waste bucket removal jig, Round filter, Filtration bag, Exhaust nozzle
Optional accessories	Connection kit *3

*1 Filled to maximum capacity.

*2 Varies depending on lens materials and processing conditions.

*3 Contents differ depending on lens edger to be connected.



Specifications and design are subject to change without notice.



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