



## Caring for people and the environment

### The new generation "Filtration System" for lens edgers

*As environmental issues continue to be a concern 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, achieved with 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, the unit features safety functions.



# Lens Dust Filtration Unit Lfu 220

## ■ 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

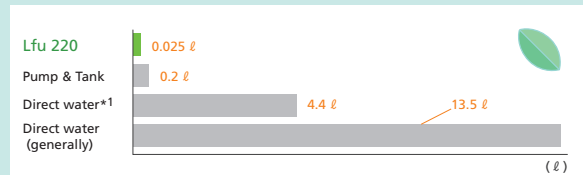
The Lfu 220 can be stored inside any lens edger cabinet without occupying more space than the lens edger's footprint. The Lens Edger Deodorizer, LED-200 Plus, can be stored together with the Lfu 220.



## ■ Water Conservation

Using centrifugal filtration technology, the unit drastically decreases water consumption in the shop/lab. The use of cleansed water maintains high quality processing and prevents foaming, thereby eliminating the need to add a chemical defoamer to the tank.

Amount of water consumption per lens



\*1 ME-1500, LEXCE Trend8/Trend, LE-1200

(in-house data)

## ■ Water Tank

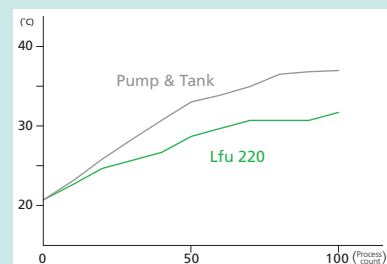
Water used by the unit only needs to be replaced every 1,000 lens cycles per 10 liters.\*2

\*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 lens size accuracy and a consistent finish.

Water temperature when processing continuously



(in-house data)





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	100 to 120 V AC / 230 V AC, 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.



<b>HEAD OFFICE</b> <b>(International Div.)</b> 34-14 Maehama, Hiroishi-cho, Gamagori, Aichi 443-0038, JAPAN TEL: +81-533-67-8895 URL: <a href="http://www.nidek.com">www.nidek.com</a> <b>[Manufacturer]</b>	<b>TOKYO OFFICE</b> <b>(International Div.)</b> 3F Sumitomo Fudosan Hongo Bldg., 3-22-5 Hongo, Bunkyo-ku, Tokyo 113-0033, JAPAN TEL: +81-3-5844-2641 URL: <a href="http://www.nidek.com">www.nidek.com</a>	<b>NIDEK INC.</b> 2040 Corporate Court, San Jose, CA 95131, U.S.A. TEL: +1-408-468-6400 +1-800-223-9044 (US Only) URL: <a href="http://usa.nidek.com">usa.nidek.com</a>	<b>NIDEK S.A.</b> Ecoparc, 9 rue Benjamin Franklin, 94370 Sucy En Brie, FRANCE TEL: +33-1-49 80 97 97 URL: <a href="http://www.nidek.fr">www.nidek.fr</a>	<b>NIDEK TECHNOLOGIES S.R.L.</b> Via dell'Artigianato, 6/A, 35020 Albignasego (Padova), ITALY TEL: +39 049 8629200/8626399 URL: <a href="http://www.nidektechnologies.it">www.nidektechnologies.it</a>	<b>NIDEK (SHANGHAI) CO., LTD.</b> Rm3205,Shanghai Multi Media Park, No.1027 Chang Ning Rd, Chang Ning District, Shanghai, CHINA 200050 TEL: +86 021-5212-7942 URL: <a href="http://www.nidek-china.cn">www.nidek-china.cn</a>	<b>NIDEK SINGAPORE PTE. LTD.</b> 51 Changi Business Park Central 2, #06-14, The Signature 486066, SINGAPORE TEL: +65 6588 0389 URL: <a href="http://www.nidek.sg">www.nidek.sg</a>
---	--	---	---	---	---	--