

SERVICE BULLETIN	
Note No.	SVC-FSB-0002B
Release Date	2/5/2020
Contact	ngceoservice@ngc.com



Desiccant Maintenance

Purpose

This bulletin provides instruction on maintenance of the desiccant cartridge.

Scope

This bulletin applies to all AdaMirus, Iklwa, and Patara lasers excluding High Power Patara lasers.

Definitions

N/A

Disclaimer

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Tools and Equipment

- Desiccant cartridge part no. 680300-123P (can be purchased from Northrop Grumman or AGM Container Controls, Inc. at (520)881-4983 with a 10/20/30 indicator).
- 1 5/16" Standard Socket Wrench or Large Crescent Wrench.

Replacing the Desiccant

1. The desiccant cartridge must be periodically replaced to keep the laser dry, so it should be checked weekly for exhaustion.
2. Exhaustion is indicated when the 30% level sector has turned a lighter shade of blue and the 10% and 20% levels have turned light pink as shown in **Figure 2** below. When color changes occur, the desiccant has absorbed maximum recommended moisture and the cartridge must be exchanged. Waiting until all sectors have turned white will result in optical damage. See **Figure 2** for examples.

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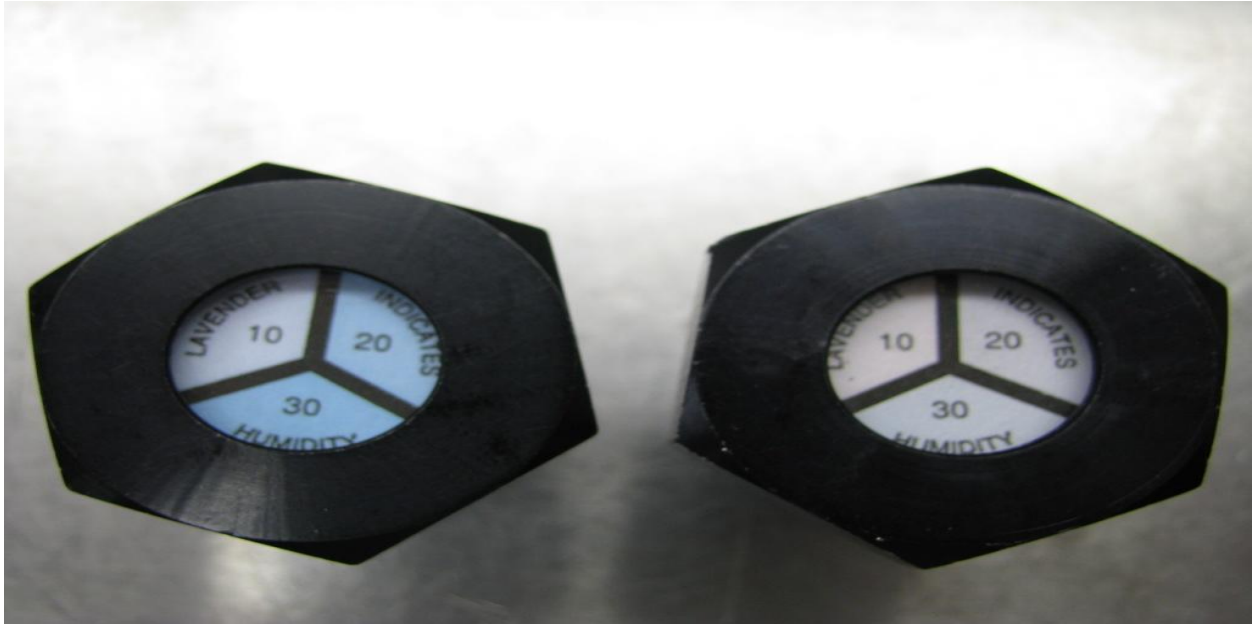


Figure 2: New Desiccant (Left) vs. Old Desiccant (Right)

3. To exchange simply unscrew the cartridge and screw in a new one immediately to prevent any dust getting in the laser. Tighten with hand, then use a wrench to tighten 1/4 turn to ensure a good seal. **DO NOT OVERTIGHTEN.**

Maintenance Frequency

The desiccant should be checked weekly and exchanged as needed when exhausted. Frequency will vary based on site/regional humidity, and frequency of opening the laser top cover. Any spare desiccants should be stored in a cooled dry area. A nitrogen purged dry box is recommended for storage.