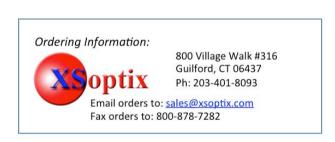Application Note

CleanBlastPRO General Care and Maintenance

The is a guide to maintaining and caring for you CleanBlastPRO™ cleaning system. This document provides overall guidance to maintaining your CleanBlastPRO system – details on accomplishing any of the tasks noted below are in the user manual.

System Components

There are several components of the CleanBlastPRO system that may need to be maintained during the life of the product:

- Cleaning fluid (consumable)
- Refill assembly
- Air filters
- Cleaning tips and adapters
- CleanBlastPRO mainframe

Ordering Information:

XSoptix

800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093

Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

Recommended Maintenance of the System Components

Cleaning Fluid

The system, by design, utilizes cleaning fluid as key part of the cleaning process. The system will need to be filled after approximately 10,000 to 15,000 cleaning cycles, depending on the profile used and various other settings. Only refill the system with approved CleanBlast solvent. Please see the user manual for more details on acceptable solvent to refill the system. The stored fluid should always be kept sealed when not filling a CleanBlastPRO and the user should maintain the fluid in temperature-controlled space.

Refill Assembly

The refill assembly is part of the refilling process and will be used every time a system is filled with fluid. Keeping this assembly clean and dirt free is critical to keeping dirt out of the tank in the CleanBlastPRO system. The refill kit does include an air filter to keep the refill process clean. Storage of the refill assembly should be carefully managed. Users can purchase refill kit filters separately from the refill kit if the filter does get contaminated. Note that the air filter being contaminated and requiring a change is very uncommon and would only occur if the refill kit is poorly maintained.

Air Filters

The CleanBlastPRO system requires external air at approximately 100psi (690Kpa) to operate correctly. The system has a coarse and fine air filter to guarantee that the air used as part of the cleaning process does not add contamination to the process. The CleanBlastPRO system requires ISO8573 Class 5 air or better. See the table below for details on ISO class levels.

| ISO8573-1:2010 Class | Solid Particulate | | | | Water | | Oil |
| | Maximum number of particles per m³ | | | Mass Concentration mg/m³ | Vapor Pressure Dewpoint | Liquid g/m³ | Total oil (aerosol liquid and vapor) mg/m³ |
	0.1 - 0.5 micron	0.5 - 1 micron	1 - 5 micron				
0	As specified by the equipment user or supplier and more stringent than Class 1						
1	≤ 20,000	≤ 400	≤ 10	—	≤-70°C	—	0.01
2	≤ 400,000	≤ 6000	≤ 100	—	≤-40°C	—	0.1
3	—	≤ 90,000	≤ 1,000	—	≤-20°C	—	1
4	—	—	≤ 10,000	—	≤+3°C	—	5
5	—	—	≤ 100,000	—	≤+7°C	—	—
6	—	—	—	≤5	≤+10°C	—	—

VIAVI would recommend a filter change (both coarse and fine) every year if the air input is Class 5. If the air input is Class 1, the system may go years between filter changes. Users can purchase the coarse and fine filters separately for the VIAVI CleanBlastPRO system.

The humidity of the input air is also a factor in filter maintenance. Moisture could collect in the filters, and, with enough moisture, water will be deposited on the end face of the fiber being cleaned. To maintain a moisture free cleaning process, the CleanBlastPRO will automatically drain the filters via an auto drain valve located at the bottom of both the coarse and fine filters. VIAVI highly recommends a 5/16" inner diameter tube be connected to both valves and those tubes be directed to a drain or small container. If a draining event does occur, the water will be managed. Assuming proper incoming air humidity mitigation, draining events will be rare.

Cleaning Tips and Adapters

The cleaning tips and adapters that mate to the cleaning wand need to be kept debris free and in good condition. Tips can be cleaned via ultrasonic cleaning process or other means that will not add contaminants. The tips and adapters should also be treated with care as bent/damaged tips and adapters can reduce cleaning efficacy or damage the device to be cleaned.

If the CleanBlastPRO system is used in a high humidity environment, condensation may collect on the tips during use. If the user sees moisture on the tip, wipe use a lint free cloth to dry.

CleanBlastPRO Mainframe

The CleanBlastPRO mainframe has various settings and sensors to help the user manage the system. Please note that there is no reason to open a CleanBlastPRO mainframe to perform any internal maintenance – this will void the warranty and possibly incur additional repair costs.

The CleanBlastPRO has the capability of monitoring much of the cleaning process and report that data back to the users. Sensors include:

• Air pressure level warnings

• Fluid level warnings

• Failure of system to inject fluid into the cleaning process.

• Failure of system to get appropriate air into the cleaning process.

• Other events/warnings

Checking the system for any events/errors during use is an extremely useful way to confirm the system is operating correctly.

The CleanBlastPRO system does have the capability of changing the cleaning profiles, impacting cleaning efficacy and consumable use. The user can control the air, solvent, and vacuum times and the order in which each function happens for a given profile. Making sure the appropriate profile is being used for the application guarantees repeatable results and the minimum use of the solvent consumable for each cleaning cycle. Users should confirm consistently and correctly set profiles for each application.

VIAVI CleanBlastPRO Support

If there are any questions on how to accomplish anything listed above, please check the user manual for the CleanBlastPRO system. The user manual can be located at:

https://cbpro.updatemyunit.net/

VIAVI has created several videos designed to support users on how to change filters, refill the system, and other general tasks. Those videos can be found here:

https://www.viavisolutions.com/en-us/support/quick-references/how-videos/how-videos-cleanblastpro

If more support is needed, including guidance on anything described above, please reach out to the VIAVI technical support team at:

support@viavisolutions.com

The CleanBlastPRO system supports a wide variety of tips and adapters. The list of those adapters can be found here:

https://www.viavisolutions.com/en-us/literature/fiber-cleaning-tips-and-adapters-selection-guides-en.pdf

Part Numbers

The VIAVI part numbers for the filters, refill kit, and solvent discussed in this document are below:

Part Number	Description
FCLP-RCA-3	Auto refill kit for CleanBlastPRO
FCLP-FA-F1	Replacement air filter for auto refill kit
FCLP-FA-F2	Replacement air filter for CleanBlastPRO mainframe – coarse
FCLP-FA-F3	Replacement air filter for CleanBlastPRO mainframe – fine
FCLP-SOL1-XL	CleanBlastPRO solvent refill*

*Solvent can be purchased via VIAVI (www.viavisolutions.com) or Microcare (www.microcare.com).