

# **Air Cleanse Cleaning Wand Kit**

CW-2000/CW-3000

User's Guide



## Printing History

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## Welcome

Congratulations on selecting the Domaille Engineering Air Cleanse Cleaning Wand Kit, a hand-held cleaning system designed for removing media from the polishing fixture, film, and machine.

This User's Guide will assist you in the setup, operation and maintenance of the CW-2000/CW-3000 Air Cleanse System to maximize the use and life of the equipment.

## Overview

The CW-2000/CW-3000 Air Cleanse Cleaning Wand Kit is an innovative hand held cleaning wand with an integrated pressurized fluid and filter system for a debris free cleaning operation. The Air Cleanse system was developed to address the concern over improper cleaning methods that were scratching the fiber end face.

The Air Cleanse can accurately spray air, fluid or a pressurized mist. The Air Cleanse wand comes with a special 2µm filtering system that eliminates variables associated with contaminated cleaning fluids.

## Parts & Functions



## Unpacking & Setup

1. Remove all components from the shipping container. Kit will include tank, air and water lines, cleaning wand, cleaning wand holder, filter and fittings.

*An optional extension kit, CW-2001, is available to link two machines to one cleaning station.*

2. CAUTION: ENSURE AIR LINE SHUT OFF VALVE IS CLOSED AND PULL PRESSURE RELIEF VALVE TO REMOVE ANY PRESSURIZED AIR.

***Air line Shut Off in closed position***



***Pull pressure relief valve***

3. Lift handle on top of tank and remove pressure lid.



4. Add deionized water to 2" below pressure lid. **Do not overfill tank.**



5. Secure pressure lid on top of tank. Make sure handle is in the closed position (fully seated in down position).



***Pressure lid in closed position***

6. Push filter into water outlet on tank. Be sure to orientate filter with flow arrow up (away from tank).

***Orientate filter with arrow up  
(away from the tank)***



***Install filter on  
the tank***

7. Insert water and air tubing through wand holder. Pull tubing through until the wand sets in the holder.



8. Connect cleaning wand **blue** water line to fitting on water filter.



9. Connect cleaning wand **red** air line to manifold fitting.
10. Insert  $\frac{1}{4}$ " air line into inlet on manifold.

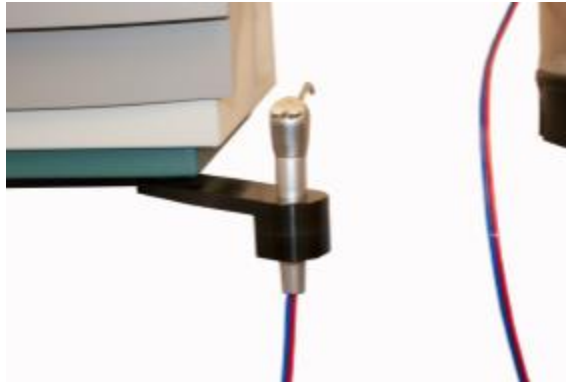


11. Place splice "T" fitting of  $\frac{1}{4}$ " air line into the air supply line at the back of Domaille Engineering polishing machine.

**CAUTION:** MAKE SURE THE AIR SUPPLY IS OFF BEFORE DISCONNECTING AIR LINE FROM POLISHING MACHINE.



12. Mount Wand Holder under Domaille polishing machine front rubber foot. Rubber foot will hold the wand mount in place. NOTE: WAND HOLDER MUST HANG OVER THE EDGE OF SURFACE TO LAY FLAT.



## Refill Water

1. To refill water, repeat process steps 1-5. (Unpacking & Setup section)

## Precautions

**WARNING:** Do not use an air hose on or around the Domaille Engineering polishing machine platen. This forces water and contaminants into the precision wear surfaces and mechanical drive unit, potentially causing machine failure. Damage caused by the air hose use is not covered under warranty.

**WARNING:** Air Cleanse system uses pressurized air. Be sure to relieve air pressure from the system before attempting to remove air or water lines, or pressurized lid.

**WARNING:** System is designed for a maximum liquid pressure of 0.5 bar (~7 PSI) or less. Do not tamper with equipment to increase the liquid pressure.

**WARNING:** Due to air pressure above 30 PSI, user should wear eye protection when using this system.

## System Operation

1. The Air Cleanse system is designed to work with the Domaille Engineering polishing machines and fixtures. The fixture should be in the up position with the drip tray underneath and surrounded by the optimal splash guard to contain the water.
2. The left button (identified with water drop) will spray water only when pressed.
3. The right button (identified with air blast) will blow air only when pressed.
4. Holding both buttons down at the same time will produce a pressurized mist.

## Maintenance

1. The water filter should be replaced periodically to prevent contamination of the water. Recommended replacement is every 3 months (quarterly).

## Service & Support

### Technical Specifications

|                     |                               |
|---------------------|-------------------------------|
| Machine Height:     | 19.75 inches (501.65 mm)      |
| Machine Width:      | 9.50 inches (241.3 mm)        |
| Machine Depth:      | 8.75 inches (222.25 mm)       |
| Power Requirements: | 2 amps; 100-240VAC; 50/60 Hz. |
| Air Requirements:   | Air                           |
| Machine Weight:     | 7lbs (3.18 kg)                |

The CW-3000 is exempt from CE Rating as it meets criteria of exemption clause 3.21 from the European Pressure Equipment Directive or “PED” (European Commission Directive no. 97/23/EC)

## LIMITED WARRANTY

Domaille Engineering, LLC (“Domaille”) products are warranted by Domaille to be free from defects in workmanship and materials for a period of one-year from the original purchase date. This warranty covers defects in materials or workmanship only and does not include damage due to abuse, misuse, problems with electrical power, problems with compressed air supply, servicing not authorized by Domaille, failure to properly care for and maintain the products, or normal wear and tear. In addition, use of parts, components, or accessories not supplied or approved by Domaille will void this warranty.

Domaille’s sole liability arising from any use of its products and this warranty is limited to repair or, at Domaille’s sole discretion, replacement of defective products or defective component parts thereof. To request warranty service, you must contact Domaille at 7100 Dresser Dr. N.E., Rochester, MN 55906, USA. If warranty service is required, Domaille will issue a Return Material Authorization Number (RMA#). You must ship the products back to Domaille in their original or equivalent packaging, pre-pay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. Along with your RMA # include your name, telephone number, return address, proof of original purchase date, and a description of the claimed defect. If the defect is covered by this limited warranty, Domaille will repair or replace (at its option) the product or the defective component part(s) and ship them freight prepaid to an address in the continental U.S. Shipments to locations outside of the U.S. that are not the original shipped to location will be made freight collect or will be shipped to the original shipped to location, at the discretion of Domaille.

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## Product Summary

Domaille Engineering's mission is to provide our customer with the highest quality solution through the innovative use of technology that allows our customers to gain a competitive edge. Our core competencies in engineering and precision manufacturing provide OEM's and fiber optic customers effective and cost efficient solutions.

From our world renowned APM-HDC-5300 polishing machine to our patented MT EZ AbraSave® fixtures, Domaille Engineering equipment provides the highest yields and throughput in the fiber optic industry.

The Domaille APM-HDC-5300 interface allows user to program a soft ramp of pressure and speed. This feature along with accurate force, speed, and time enables customers to consistently meet the most demanding fiber optic polishing specifications.

Our patented AbraSave® fixture line utilizes Unique Path Technology which reduces polishing time and polishing film costs. The AbraSave® technology delivers the greatest consistent fiber protrusion for the best polishing results in the fiber optic industry.

The OptiSaber™ laser cleaver family is a Domaille solution addressing process variation associated with cracking, which is typical of mechanical cleaving process. Our OS7000M patent pending MT adapter allows users to cleave both UPC and APC ferrules with a couple simple adjustments. The OptiSaber OS7000S single fiber laser cleaver has several different single fiber adapters to choose from depending on connector type.

Domaille Engineering proudly offers our OptiSpec® product line of fiber optic microscopes. Our OptiSpec® microscope line offers customers high quality production fiber optic inspection capabilities for both production and laboratory settings.

View all of our products, including the Universal Cure Oven and Air Cleanse System, at [www.DomailleEngineering.com](http://www.DomailleEngineering.com).

## Company Information

Domaille Engineering, LLC is a precision manufacturer distinguished by the accuracy of our products and services. One of our critical goals is to provide excellent customer service. Please contact us for service, support or input on how we can improve our service to you.

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