

O-SO PURE'S *Pathogen Predator*TM

The **Pathogen Firewall**



Pathogen PredatorTM (DWS-POE)

Eliminates noxious pathogens from your building's water supply.

Disinfects your entire building's water supply with proven ultraviolet light technology.

Protects patient and staff health.

Reduces your practice's legal risk.

Features:

- Disinfects all of the water entering your practice, regardless of use.
- Installs at your building's water point-of-entry.
- Introduces no chemicals into the water supply.
- Traps impurities down to 1/60th the diameter of a human hair.
- Removes contaminants, improves taste.
- Exclusive self-cleaning technology extends filter life to one year¹.
- Combine with O-SO Pure's *Biofilm Obliterator*TM for a complete waterline infection control program.

Benefits:

- Bars waterborne pathogens from entering your practice.
- Disinfects your water supply while removing chemicals.
- Part of a complete dental unit waterline sanitation protocol.
- **GO GREEN!** Replace your existing bottled water and reduce the expense, staff time, clutter, chemicals and energy waste of boiled or bottled water solutions.

¹ Actual filter life is based on the amount of water used and quality of the water supply. Filters at most practices survive the full one year maintenance interval.

Pathogen Predator™ (DWS-POE) Specifications and General Information

General Information:

The Pathogen Predator's™ patented self-cleaning function is the hottest new feature in water treatment apparatus. We created the self-cleaning mechanism to solve the problem of premature filter clogging in an "always on" dental office. Traditional backwashing technology requires frequent water system downtime to reverse flush special backwash filters. Instead, O-SO Pure's method allows your water to remain online during every flush cycle and uses standard 20 inch filter media. The control module is set at the factory and flushes the outside of the filters three (3) times daily, rinsing away debris as it accumulates. Independent laboratory test analysis confirms the self-cleaning mechanism reduces premature filter clogging by up to 80%².

However, any Point-of-Entry filtration system can become clogged prematurely in areas of new construction, older buildings with corroded pipes, water main maintenance, even testing of fire hydrants by the local fire department. Water quality also varies greatly between cities, sometimes even within a city as the water plant blends water from surface and underground sources. For such cases, we have optional settings and products that help to extend the filter and lamp maintenance interval to the normal 12 months (see optional features below). **O-SO PURE stands behind their products and has been able to achieve a 100% CUSTOMER SATISFACTION rating on the DWS-POE Whole Building Water Disinfection System.**

***Note:** If you have them, make sure that you specify "Tankless Toilets" with your Pathogen Predator purchase. A special filter set will be substituted and care taken during installation to ensure low pressure problems are avoided.*

Optional Features:

- Special pre-filter manufactured with a metal screen filter media (never needs replacement). This pre-filter is rated at 22 micron and comes with a manual "purge" valve to easily wash away debris.
- ¾ inch by-pass assembly unit, with or without 24 VAC shutoff valve with a step down transformer, ready to install. (For larger size by-pass contact the factory)
- Remote lamp-out-indicator, installed where a staff member would likely notice a disinfection failure (front desk).
- An audible lamp-out alarm to immediately notify a disinfection failure.

Technical Specifications:

Housings.....20" Reinforced Polypropylene	Chlorine Removal.....>150,000 Gallons @7 GPM
Min. PSI.....50 PSI ³	Dimensions.....31" High-26" Wide-9" Deep
Max PSI.....65 PSI	Shipping Weight.....79 LBS Bypass.....82LBS
Max Water Flow...15 Gallons Per Minute	UV Lamp Life.....9000 Continuous Hours
Max Temperature..100 Degrees (F)	UV Lamp Output....60,000 Microwatt/Cent.Squared
Restrictions.....Avoid Direct Sunlight	UV Lamp Watts.....25 Watts
Pipe Size.....1 1/2 Inches	Filter Flush-Flow Rate....3 Gallons Per Minute
2 nd Stage Filter.....One-Half (1/2) Micron Carbon Block	Recommended Flush Frequencies 3 Per 24 Hours
1 st Stage Filter..... 50-Micron Outer Rap & 5-Micron Inner Rap (High Flow Sediment Filter)	

²Independent lab report available upon request.

³If inlet pressure (PSI) is less than 50 PSI, call factory for recommendations.