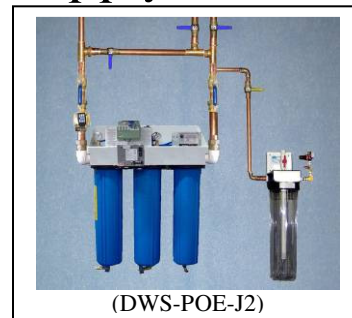




# O-SO PURE Dental Water Solutions

## PATHOGEN PREDATOR

### Point-of-Entry Dental Water Supply



#### Features

- Produces filtered & UV-disinfected water for use in your dental units and throughout the practice.
- Reduces viability of bacteria by 99% using chemical-free UV light.
- Reduces Cryptosporidium and Giardia cysts by 99.95%.
- Traps impurities down to 1/60<sup>th</sup> the diameter of a human hair.
- Suitable for use where dental units, sinks and other water uses drawn from common plumbing.
- Replaces water control & bypass manifold, depending on model (see table below).
- Filter set provides low pressure drop and high flow rate of 10 gallons / minute @ 50 psi.
- Patented online filter cleaning technology extends filter life to one year under most water conditions.
- Works directly from municipal water. Installs in mechanical room (MR).

#### Benefits

- Removes chemicals & contaminants, improves taste.
- Protects patient and staff health. Reduces legal risk.
- Allows **normal operation during boil water advisories** when properly installed and maintained.
- Disinfects your water supply while removing chemicals.
- Replaces remote water shutoff manifold (-F2, -F4, -J2, -J3, -J4 & -J5 models).

MODEL #	PIPE SIZE	BYPASS	ELECTRIC SHUTOFF	SHUTOFF POSITION	REPLACES REMOTE MANIFOLD	DUWL SANITIZER
DWS-POE	1½"	no	no	n/a	n/a	no
DWS-POE-F1	¾"	1 valve	no	n/a	n/a	no
DWS-POE-F2	¾"	1 valve	24VAC	input	yes	no
DWS-POE-F3	¾"	1 valve	no	n/a	n/a	yes
DWS-POE-F4	¾"	1 valve	24VAC	input	yes	yes
DWS-POE-J1	1½"	3 valve	no	n/a	n/a	yes
DWS-POE-J2	1½"	3 valve	24VAC	input	yes	yes
DWS-POE-J3	1½"	3 valve	120VAC	input	yes	yes
DWS-POE-J4	1½"	3 valve	24VAC	output	yes	yes
DWS-POE-J5	1½"	3 valve	120VAC	output	yes	yes

Go **GREEN** and Save **GREEN**  
Eliminate bottled water in our lifetime.



# DWS-POE---General Information & Specifications

## Technology

The **DWS-POE** incorporates many modern water technologies into a single system:

- Multi-stage filtration provides multiple protections
  - 1<sup>st</sup> filter removes large sediment in preparation for UV exposure.
  - 2<sup>nd</sup> filter removes small sediment and chemicals. This filter is tested and certified by NSF International to NSF/ANSI Standard 53 for cyst reduction, including Cryptosporidium and Giardia.
  - Patented filter flush mechanism keeps your water online during 3 daily flush cycles, reducing premature filter clogging up to 80%.
- UV chamber maximizes exposure of all water-borne pathogens along a 32” path of high intensity ultraviolet-C light.
- Entire filter can be bypassed with the push of a single plunger (all –F\* models) or turn of 3 valve handles (all –J\* models).
- -F2, -F4, -J2, -J4 models connect to the practice’s 24VAC remote shutoff panel to shutdown the water system when practice is idle. –J3 & -J5 models are controlled by 120VAC switched outlet.

## Sedimentation

O-SO PURE patented filter flush mechanism extends filter life to the manufacturer’s required maintenance interval of one year and most of our Predator customers now enjoy this extended filter change interval. However, any filtration system can become clogged prematurely due to new construction in area, corroded pipes in older buildings, water main maintenance and testing of fire hydrants by the fire department. Your local plumber will best be able to forecast the need for pre-filtration at your practice.

## Options

All option combinations are now available in pre-configured combinations. See table (over) for details. We strongly recommend that your system have a dedicated bypass. If purchasing the straight DWS-POE, include plumber construction and installation of a 3 valve bypass.

## Specifications

Width.....	26”-51” (see detail sheets)	UV lamp output.....	60,000 μW/cm <sup>2</sup>
Height.....	31”-50” (see detail sheets)	UV lamp life.....	9,000 hrs/375 days
Depth.....	9”	Power.....	120VAC (2-3, see detail sheets)
Clearance (above bracket).....	20”	Power consumption .....	25 watts
Clearance (below UV housing).....	20”	Restrictions.....	avoid direct sunlight, avoid freezing temps, interior installation
Weight (wet).....	75 - 120 lbs (see detail sheets)	Filter flush cycles..	3/day during business hours
Pipe size (without bypass).....	1-1/2”	Warranty.....	1 year limited, excluding consumables
Pipe size (with bypass).....	3/4” or 1-1/2”		
Operating pressure.....	40-75 PSI		
Flow rate.....	10 GPM @ 50 PSI		
Operating temperature.....	40-100°F		

## OVERVIEW

PREDATOR F-Series ultraviolet water systems for ¾" plumbing provide

- complete practice protection against waterborne pathogens including bacteria, viruses and cysts (Cryptosporidium and Giardia reduction of 99.95%).
- patented filter flushing technology that extends filter life to one year under most water conditions.
- low pressure drop and flow rate of 10 gpm @ 50 psi.
- a single valve bypass.
- whole practice solenoid valve ready to wire to customer's remote kill switch panel (F2 & F4 models).
- equipment to decontaminate dental unit waterlines (F3 & F4 models).

## BENEFITS

- Unlimited UV disinfected water that complies with EPA regulations and ADA guidelines.
- Disinfects water without adding chemicals.
- Makes great tasting drinking water.
- Allows normal operation during boil water advisory.

## PLUMBING

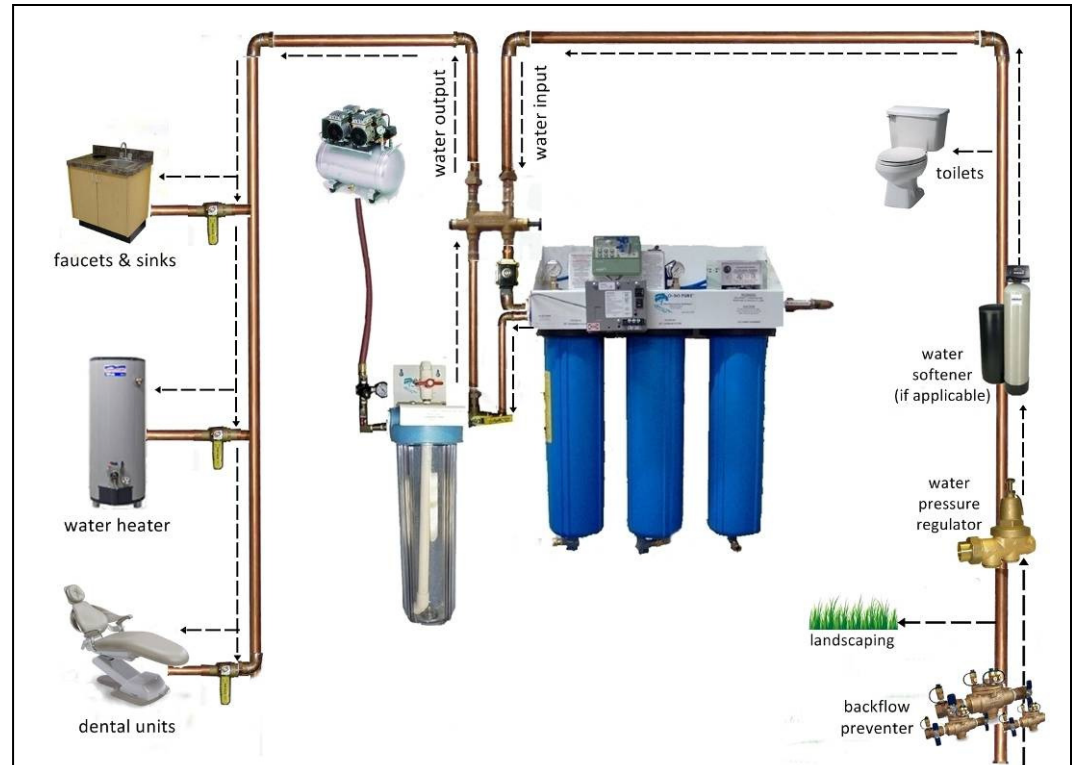
- Attaches to the practice's common plumbing plan.
- Prior to PREDATOR input
  - divert landscape & toilet plumbing.
  - install 60 psi water pressure regulator.
  - soften water if desired.

## SERVICE

- annual: DWS-RPKD

## USAGE

The PREDATOR is an ideal way for new or existing practices with dental units connected to ¾" common plumbing plans to comply with EPA regulations and ADA guidelines for dental unit waterline contamination.



## PREDATOR F-Series plumbing diagram

Diagram shows PATHOGEN PREDATOR (DWS-POE) installed near water point of entry, providing complete practice protection against waterborne pathogens. Install after 1) backflow prevention, 2) diversion of high-volume, non-critical water uses (e.g. landscaping) 3) 60 psi water pressure regulator, 4) water softener (if any), 5) toilets. Valve the water heater input **and** continuing cold water supply to allow disinfection of dental unit waterlines only.

## PREDATOR F-Series DWS-POE & -(F1 F2 F3 F4)

SALES (800) 676-7873

WEBSITE [www.osopure.com](http://www.osopure.com)

E-MAIL [info@osopure.com](mailto:info@osopure.com)

O-SO PURE  
2323 W MESCAL ST  
SUITE 204  
PHOENIX AZ 85029



**PREDATOR F-Series 3/4" (all models)**

**NOTES**

- Install in mechanical room after softener / iron reduction.
- 75 psi pressure regulator recommended.
- Install pre-filter in known heavy sediment conditions.
- Ensure site has adequate municipal water pressure to operate tankless toilets.

**COMMON SPECIFICATIONS**

Capacity.....10 GPM  
 Wall mount height (bracket top).....65"  
 Operating water pressure.....50-75 PSI  
 Warranty.....1 year limited, excluding consumables  
 Annual service kit.....DWS-RPKD



**PATHOGEN PREDATOR (DWS-POE-F1)**

**UNIQUE SPECIFICATIONS**

Width .....37"  
 Height.....40"  
 Depth.....9"  
 Clearance required.....L-2" ..R-0" ..T-13" ..B-24"  
 Weight (wet).....80 lbs  
 Water connections (1 Input & 1 Output):.....3/4" union  
 Power required.....2 x 120VAC



**PATHOGEN PREDATOR (DWS-POE-F3)**

**UNIQUE SPECIFICATIONS**

Width .....48"  
 Height.....45"  
 Depth.....9"  
 Clearance required.....L-0" ..R-0" ..T-20" ..B-24"  
 Weight (wet).....97 lbs  
 Water connections (1 Input & 1 Output):.....3/4" union  
 Power required.....2 x 120VAC  
 Compressed air required.....40 psi



**PATHOGEN PREDATOR (DWS-POE)**

**UNIQUE SPECIFICATIONS**

Width .....26"  
 Height.....31"  
 Depth.....9"  
 Clearance required.....L-2" ..R-0" ..T-13" ..B-24"  
 Weight (wet).....75 lbs  
 Water connections (1 Input & 1 Output): 1-1/2" tapered female  
 Power required.....2 x 120VAC



**PATHOGEN PREDATOR (DWS-POE-F2)**

**UNIQUE SPECIFICATIONS**

Width .....37"  
 Height.....40"  
 Depth.....9"  
 Clearance required.....L-2" ..R-0" ..T-13" ..B-24"  
 Weight (wet).....83 lbs  
 Water connections (1 Input & 1 Output):.....3/4" union  
 Power required.....3 x 120VAC



**PATHOGEN PREDATOR (DWS-POE-F4)**

**UNIQUE SPECIFICATIONS**

Width .....48"  
 Height.....45"  
 Depth.....9"  
 Clearance required.....L-0" ..R-0" ..T-20" ..B-24"  
 Weight (wet).....99 lbs  
 Water connections (1 Input & 1 Output):.....3/4" union  
 Power required.....3 x 120VAC  
 Compressed air required.....40 psi

**PREDATOR F-Series  
 DWS-POE & -(F1 F2 F3 F4)**

## OVERVIEW

PREDATOR J-Series ultraviolet water systems for 1½" plumbing provide

- complete practice protection against waterborne pathogens including bacteria, viruses and cysts (Cryptosporidium and Giardia reduction of 99.95%).
- patented filter flushing technology that extends filter life to one year under most water conditions.
- low pressure drop and flow rate of 10 gpm @ 50 psi.
- a three valve bypass.
- water solenoid valve ready to wire to customer's 24VAC remote kill switch panel (J2 & J4 models) or a 120VAC switched outlet (J3 & J5 models).
- equipment to decontaminate dental unit waterlines.

## BENEFITS

- Unlimited UV disinfected water that complies with EPA regulations and ADA guidelines.
- Disinfects water without adding chemicals.
- Makes great tasting drinking water.
- Allows normal operation during boil water advisory.

## PLUMBING

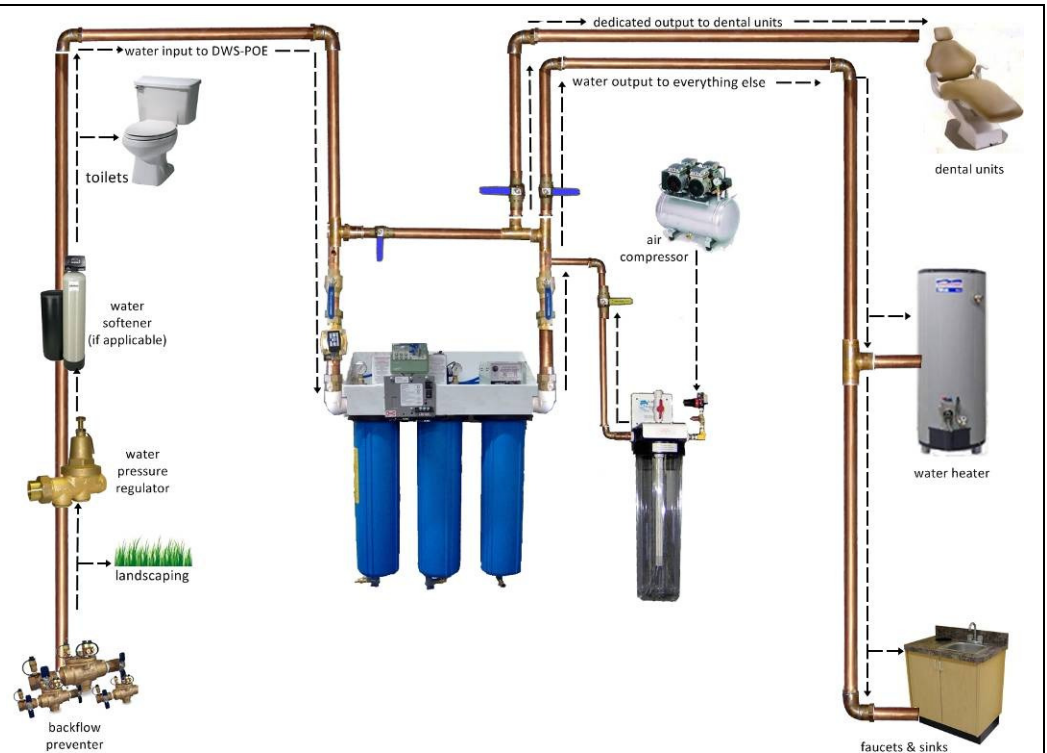
- Attaches to the practice's common plumbing plan.
- Prior to PREDATOR input,
  - install backflow preventer (check local code).
  - divert landscape & toilet plumbing.
  - install 60 psi water pressure regulator.
  - soften water if desired.

## SERVICE

- annual: DWS-RPKD

## USAGE

The PREDATOR is an ideal way for new or existing practices with dental units connected to 1½" common plumbing plans to comply with EPA regulations and ADA guidelines for dental unit waterline contamination.



## PREDATOR J-Series plumbing diagram

Diagram shows PATHOGEN PREDATOR installed near water point of entry, providing complete practice protection against waterborne pathogens. Install after 1) backflow prevention, 2) diversion of high-volume, non-critical water uses (e.g. landscaping) 3) 60 psi water pressure regulator, 4) water softener (if any), 5) toilets. Unit has two 1½" valved water outputs to separate dental unit plumbing from general building plumbing for easy dental unit waterline sanitizing.

## PREDATOR J-Series DWS-POE-(J1 J2 J3 J4 J5)

SALES	(800) 676-7873	O-SO PURE 2323 W MESCAL ST SUITE 204 PHOENIX AZ 85029
WEBSITE	<a href="http://www.osopure.com">www.osopure.com</a>	
E-MAIL	<a href="mailto:info@osopure.com">info@osopure.com</a>	



**PREDATOR J-Series 1 1/2" (all models)**

**NOTES**

- Install in mechanical room after softener / iron reduction.
- 60 psi pressure regulator recommended.
- Install pre-filter in known heavy sediment conditions.
- Ensure site has adequate municipal water pressure to operate tankless toilets.

**COMMON SPECIFICATIONS**

Capacity.....	10 GPM
Wall mount height (bracket top).....	65"
Width.....	50"
Height.....	51"
Depth.....	9"
Clearance required.....	L-2" R-2" T-6" B-14"
Weight (wet).....	120 lbs.
Compressed air required.....	40 psi
Water connections (1 Input & 2 Output):.....	1-1/2" union
Operating water pressure.....	40-75 PSI
Warranty.....	1 year limited, excluding consumables
Annual service kit.....	DWS-RPKD



**PATHOGEN PREDATOR (DWS-POE-J2)**

**UNIQUE SPECIFICATIONS**

Power required.....	3 x 120VAC unswitched
Solenoid.....	24VAC on input side



**PATHOGEN PREDATOR (DWS-POE-J4)**

**UNIQUE SPECIFICATIONS**

Power required.....	3 x 120VAC unswitched
Solenoid.....	24VAC on output side



**PATHOGEN PREDATOR (DWS-POE-J1)**

**UNIQUE SPECIFICATIONS**

Power required.....	2 x 120VAC
Solenoid.....	none



**PATHOGEN PREDATOR (DWS-POE-J3)**

**UNIQUE SPECIFICATIONS**

Power required.....	2 x 120VAC unswitched
	1 x 120VAC switched
Solenoid.....	120VAC (switched) on input side



**PATHOGEN PREDATOR (DWS-POE-J5)**

**UNIQUE SPECIFICATIONS**

Power required.....	2 x 120VAC unswitched
	1 x 120VAC switched
Solenoid.....	120VAC (switched) on output side

**PREDATOR J-Series**  
DWS-POE-(J1 J2 J3 J4 J5)

## OVERVIEW

The BARRICADE Plus UV water system for dedicated dental unit plumbing provides

- complete dental unit, dental sink & drinking water protection against waterborne pathogens including bacteria, viruses and cysts (Cryptosporidium and Giardia reduction of 99.95%).
- flow rate of 4 gpm @ 50 psi.
- periodic disinfection of dental unit waterlines.

## BENEFITS

- Unlimited UV disinfected water that complies with EPA regulations and ADA guidelines.
- Disinfects water without adding chemicals.
- Makes great tasting drinking water.
- Allows normal operation during boil water advisory.

## PLUMBING

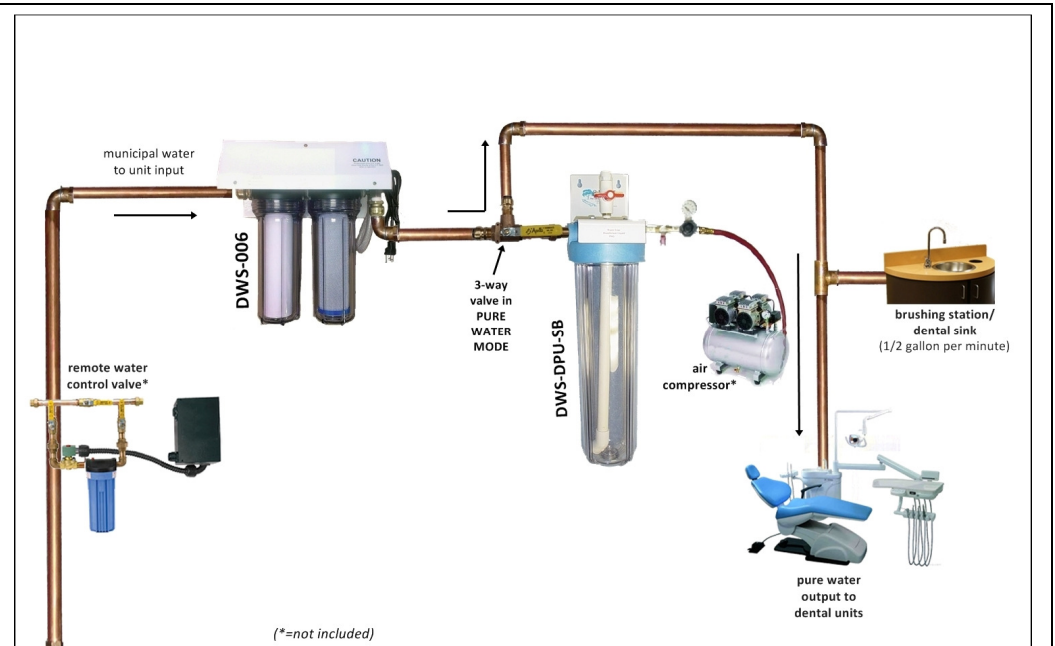
- Attaches to the practice's dedicated dental unit plumbing plan, after the water solenoid manifold.
- Safe for use with copper or plastic plumbing.
- Can also supply the dental sinks with UV disinfected cold water.

## SERVICE

- annual: DWS-RPKL

## USAGE

The BARRICADE is an ideal way for new or existing practices with dedicated dental unit plumbing to comply with EPA regulations and ADA guidelines for dental unit waterline contamination.



## BARRICADE Plus plumbing diagram

Diagram shows BARRICADE (DWS-515) installed near water point of entry, providing UV disinfected water through the practice's dedicated dental unit plumbing. Install after water shutoff manifold.

## BARRICADE Plus (DWS-515)

SALES	(800) 676-7873
WEBSITE	<a href="http://www.osopure.com">www.osopure.com</a>
E-MAIL	<a href="mailto:info@osopure.com">info@osopure.com</a>

O-SO PURE  
2323 W MESCAL ST  
SUITE 204  
PHOENIX AZ 85029





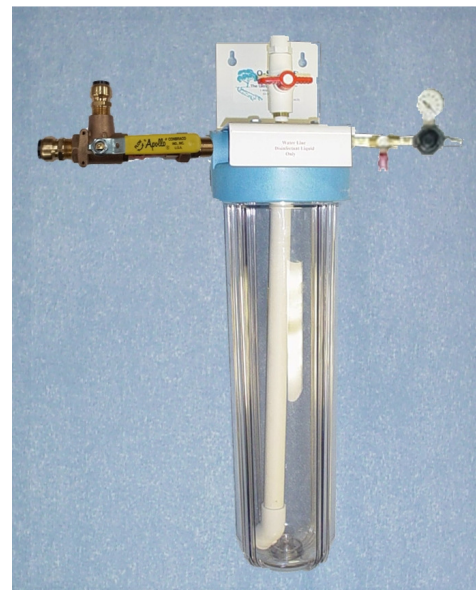
**BARRICADE (DWS-006)**

**SPECIFICATIONS**

Width .....14"  
 Height.....19"  
 Depth.....7"  
 Clearance required.....L-3" ...R-3" ...T-6" ...B-3"  
 Weight (wet).....19 lbs  
 Water connections (1 Input & 1 Output):..... 3/4" SharkBite  
 Power required.....1 x 120VAC  
 Capacity.....4 GPM  
 Wall mount height (bracket top - recommended).....60"  
 Operating water pressure.....40-60 PSI  
 Warranty.....1 year limited, excluding consumables  
 Annual service kit.....DWS-RPKL

**NOTES**

- Install in mechanical room after softener / iron reduction.
- 60 psi pressure regulator recommended.
- Install pre-filter in known heavy sediment conditions.



**BIOFILM OBLITERATOR (DWS-DPU-SB)**

**Eradicates biofilm from your waterlines**

**FEATURES**

- Manually sanitizes dental unit distribution plumbing and attached dental unit waterlines when office is closed.
- Uses compressed air to drive disinfectant solution into evacuated plumbing.

**NOTES**

- Install in equipment room between dental unit water distribution plumbing and O-SO Pure UV water equipment.
- Attaches to onsite compressed air. No electrical required.

**SPECIFICATIONS**

Capacity.....1.5 GAL  
 Width .....24"  
 Height.....32"  
 Depth.....8"  
 Clearance required.....L-6" ...R-6" ...T-18" ...B-18"  
 Wall mount height (bracket top).....Min-4' ...Max-5'  
 Weight (wet).....30 lbs.

Water connections.....Input-3/4" SharkBite-style  
 .....Output- 3/4" SharkBite-style

Compressed air connect.....1/4" QC, fittings & hose included  
 Warranty .....1 year limited  
 Annual maintenance kit.....none

**BARRICADE Plus**  
**DWSP-515**