

Eco Urinal Cartridge



Leaders In LEED Water Conservation

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PATENT PENDING

- ▶ **REQUIRES NO SEALANT LIQUID – NO MORE SEALANT ISSUES**
- ▶ **NOT AFFECTED BY ANY TYPE OF CLEANER**
- ▶ **NO CONSTANT CARTRIDGE CHANGING**
- ▶ **NO MORE CARTRIDGES THROWN INTO THE LANDFILL**
- ▶ **NO MORE SEALANT CHEMICALS TO STORE**
- ▶ **CAN BE FLUSHED WITH WATER ANYTIME**
- ▶ **LIFETIME WARRANTY**

Cost Savings per 10 Eco Urinal Cartridges

Replacement Schedule	3 years	5 years	10 years
4 times annually	\$2,900	\$5,700	\$12,700
6 times annually	\$5,000	\$9,200	\$19,700

WHAT IS IT?

The Eco Urinal Cartridge provides a solution to many of the problems associated with urinals that do not use water and have replaceable cartridges. We congratulate you on your efforts to save our Natural Resources, but if you are like most owners of non-water using urinals you are probably frustrated by having to buy and replace cartridges and sealant, as well as dealing with the malfunction problems caused by various cleaners and other cartridge sealant issues.

The Eco Urinal Cartridge is made of a high quality rigid plastic. Simply remove the existing replaceable cartridge and insert the Eco Urinal Cartridge. The Eco Urinal Cartridge can be removed if needed for maintenance.

The cartridge has a special elastomeric check valve attached to it. The check valve is manufactured from space age, rubber-like synthetic polymer, used for leg urinals for Astronauts. It is treated to roll up when liquid is not passing through it, but flexible enough to open and permit liquid flow, from an intermittent drip to high rate flows. When the check valve is closed or liquid is flowing through the check valve, it successfully resists any emission of sewer gas and any backup of sewage from the waste line.

THE DETAILS:

The Eco Urinal Cartridge comes with a LifeTime warranty. Should any defect or malfunction in the material occur within warranty period, the Eco Urinal Cartridge will be replaced without charge.

Code compliance certifications: The Ecotech Eco Urinal cartridge is compliant with ANSI Z124.9-04, section 7.5, as referenced in the IAPMO IGC 161-2004, and the ICC EG 267 for waterless urinals. These guides are published as the standards for waterless urinals.

The Eco Urinal Cartridge is not designed for Falcon/Sloan urinals and should not be used in Falcon/Sloan urinals.

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SPECIFICATION AND INSTALLATION INSTRUCTIONS

After the old replaceable cartridge has been removed flush the urinal housing and sewer line with a bucket of warm soapy water. It is recommended that the sewer lines be cleaned and/or snaked before installing the Eco Urinal Cartridge, especially if build up in the urinal housing is present due to possible past chemical reactions between the old cartridge sealant and urinal cleaners.



After the above steps have been completed simply insert the Eco Urinal Cartridge into the urinal housing.

CAUTION: Some Environmental Groups and Marine Biologists have expressed concern about the sealant used in the replaceable cartridges being harmful to Marine Life. Typically the sealant in the replaceable cartridges disappears quickly after the replaceable cartridge is installed however, if you encounter the presence of any sealant remaining in the replaceable cartridge care should be taken to not spill or dump the replaceable cartridge contents into the bottom of the urinal or sewer line.



Elastomeric TM Cartridge Valve Chemical Resistance Chart / Test Temperature 75°F (24°C)

Legend: E=Excellent, no discernable attack, G=Good, no significant attack, F=mild attack, limited use, P=Poor, X= Unacceptable

Acids		Organics & Solvents		Alkalis	
Acetic, 10-50%	F	Acetone	X	Amonium hydroxide	E
Benzoic	E	Alcohol, methyl	G	Calcium hydroxide	E
Boric	E	Alcohol, ethyl	G	Potassium hydroxide	E
Butyric	F	Alcohol, butyl	F	Sodium hydroxide	E
Chloroacetic	E	Aniline	X	Gases	
Chromic	F	Benzene	X	Carbon dioxide	E
Citric	E	Carbon disulfide	X	Carbon monoxide	E
Fluoboric	E	Carbon tetrachloride	X	Chlorine, dry	G
Hydrobromic, 25%	E	Chlorobenzene	X	Chlorine, wet	F
Hydrochloric, 10%	E	Chloroform	X	Hydrogen sulfide	E
Hypochlorus	E	Ethyl acetate	X	Sulfur dioxide, dry	E
Lactic	E	Ethyl chloride	X	Sulfur dioxide, wet	X
Maleic	E	Ethelene dichloride	X	Miscellaneous Salts	
Nitric, 5%	G	Ethyl ether	X	Potassium dichromate	E
Oleic	E	Formaldehyde, 37%	G	Potassium permanganate	G
Oleum	X	Gasoline	F	Sodium cyanide	E
Oxalic	E	Heptane	X	Sodium ferrocyanide	E
Perchloric	G	Methlyne Chloride	X	Sodium hypochlorite	E
Phosphoric, 25%	E	Methl ethyl ketone	X		
Phthalic	E	Nitrobenzene	X		
Sulfuric, 10%	E	Phenol	X		
Tannic	E	Toluene	X		
Tartaric	E	Trichloroethylene	X		



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