

Waterless Urinal Comparison Chart

Brand	ZeroFlush	Waterless	Falcon / South Pacific Waterless	Uridan
Distributor	Aquatemp Solutions	L W Gemmell	Aquadux	Watersave Australia
Designed	Australia / USA	USA	USA	Denmark
Manufactured	USA	USA / China	Malaysia	Denmark / China
Manufactured from	Vitreous China	Vitreous China	Vitreous China	Fibreglass / Vitreous China
Guarantee	5 years	1 year	1 year	1 year
Maintenance Frequency – this is frequency of servicing or maintenance requiring changing of the drain insert or cartridge based on number of uses not time	15000 uses	5000 – 7000 uses although manufacturer recommends that 100m/l of Blue Seal be added every 1000 – 1500 uses to top up odour barrier and prevent odour emission	5000 uses	5000 uses
Servicing Frequency – this is the frequency of servicing based on time only in a normal use situation	3 – 4 months	1 – 2 months	1 – 2 months	1 – 2 months
Cartridge	Has no cartridge instead has one piece removable trap insert that is manufactured from ABS and can be reused continually	Uses a pressure fit plastic cartridge (EcoTrap) that requires disposing off at every service period	Uses a plastic cartridge that is locked in place using a bayonet clip system that requires disposing of at every service period	Has no cartridge instead has a two piece removable trap insert that is manufactured from stainless steel and PVC and can be reused continually
Urine Contact – this is whether the person servicing urinal will come in contact with urine	No	Yes	Yes	Yes

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Trap / Housing Capacity	1.360 litres	0.475 litres	0.532 litres	0.760 litres
Odour Barrier – is the odour barrier oil or sealant a 100 % natural and biodegradable	Yes	No	No	Yes
Odour Barrier – is specially manufactured odour barrier oil required	Yes available in 600m/l bottles from distributor RRP \$15	Yes comes complete with replacement cartridge RRP \$130	Yes comes complete with replacement cartridge RRP \$96	Yes available in 300m/l bottles from distributor RRP \$25
Urinal Cleaner – is specially manufactured cleaner required to clean urinal daily	No	Yes	Yes	Yes
Trap Insert – are replacement trap inserts available	Yes manufactured in ABS from distributor RRP \$15	No uses cartridge	No uses cartridge	Yes manufactured with stainless steel grate and PVC trap and PVC insert RRP \$85
Sealant Loss – is the urinal engineered to withstand a washing through of sealant or odour barrier if a bucket of water is tipped into urinal	Yes	No	No	Yes
Odour Barrier Refill – is an addition of odour barrier or sealant required between service maintenance cycles	No	Yes required by manufacturer that 100m/l of Blue Seal be added every 1000 – 1500 uses to prevent odour emissions	No unless there is odour emission as cartridge only comes with 60m/l of odour barrier sealant	No

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Maintenance Procedure	Quick and simple procedure requiring removal of trap insert with specially supplied tool to drain housing, washing through sediment build-up with bucket of water, install a clean trap insert, add 700m/l of water to fill up trap and add 600m/l bottle of odour barrier. Off site simply clean in water the used trap insert and store for future use.	Longer procedure requiring removal of cartridge and then disposing of contents (urine, urine sediment and Blue Seal) in approved facility. Washing through sediment build-up in housing and waste pipe is then required which will use at least 3 buckets of water and substantial scrubbing with hard brush of housing. Install a new cartridge and fill up with 600m/l of water and then add a measured 200 – 300m/l of Blue Seal odour barrier oil. Dispose of old cartridge in approved rubbish facility.	Longer procedure requiring removal of cartridge with specially supplied tool and then disposing of contents (urine, urine sediment and Blue Sealant) in approved facility. Washing through sediment build-up in housing and waste pipe is then required which will use at least 2 buckets of water with substantial scrubbing with hard brush and may require use of a chemical descaler to remove sediment adhering to housing and top of waste pipe. Install a new cartridge and fill up with 500m/l of water and then open 60m/l sachet of Blue Sealant odour barrier and pour into cartridge. Dispose of old used cartridge in approved rubbish facility.	Longer procedure requiring removal of stainless steel grate with specially supplied tool and then pulling out of PVC waste pipe insert to drain housing. Washing through sediment build-up with a bucket of water followed by substantial scrubbing of the housing and waste pipe entry is then required followed by washing through with a further bucket of water. Frequently a chemical descaler will be required to remove sediment adhering to PVC housing and top of waste pipe entry. Insert a clean waste pipe insert and add 600m/l of water and then install a clean stainless steel grate. Add a 300m/l bottle of Uriloc odour barrier sealant. Off site leave soaking in a chemical descaling agent for 48 hours the used stainless steel grate and waste pipe insert then scrub clean in water and store for future use.
Annual Maintenance Cost – this is the estimated annual cost for the cleaning, servicing and maintenance of an urinal	\$160.00	\$1,120.00	\$900.00	\$600.00

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<p>Blockage of Drains – all urinals whether waterless or water flushing suffer from uric salt or sediment build-up inside their drains however waterless urinals can be more exposed to this problem</p>	<p>Due to the size and operation of the trapping system blockage of the drains is not an issue as the salts contained in the urine settle to the bottom of the trap with mainly the water content of urine being passed into the drains.</p>	<p><i>Can be a problem with fresh urine constantly being flushed into the drain due to the small capacity of the cartridge. It is recommended that high pressure cleaning of the drains be undertaken annually.</i></p>	<p>Can be a problem with fresh urine constantly being flushed into the drain due to the small capacity of the cartridge. It is recommended that high pressure cleaning of the drains be undertaken annually.</p>	<p>Can be a problem in medium to high use installations with fresh urine constantly being flushed into the drain due to the waste pipe design and small capacity of the trapping system. It is recommended that high pressure cleaning of the drains be undertaken 1-2 yearly depending on usage.</p>
<p>Installation</p>	<p>Simple single universal hanging bracket with simple connection directly to 40mm or 50mm waste pipe whether it is PVC, HDPE or brass.</p>	<p>Complicated bracketing system with no connection system and this has to be supplied and installed by plumber.</p>	<p>Simple single universal hanging bracket with no connection system and this has to be supplied and installed by plumber.</p>	<p>Complicated dual bracketing system with simple connection system to 50mm PVC pipe only.</p>