

91240 Performance Data Sheet: Reduction Info

Zip 91240 cartridge tested in PS-ZIP 5 Micron system according to NSF/ANSI 42 & 53 for the reduction of substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 & 53. The Zip 91240 cartridge has been tested and certified under AS 3497 and the performance of this product has been verified and substantiated as the test data summarised below indicates. These substances may not be in your water.

Substance	^a NHMRC ADWG or ^b USEPA SDWA MCL	Average influent concentration	NSF/ANSI influent challenge concentration	% reduction reqt / Max. permissible product water concentration	Maximum effluent concentration	Minimum % reduction	Average % removal	Average effluent concentration
NSF/ANSI 42 – Aesthetic Effects								
Chlorine	0.6 mg/L	1.91 mg/L	2.0 mg/L ± 10%	≥ 50%	0.76 mg/L	64.3%	79.0%	0.41 mg/L
Nominal Particulate Reduction, Class I (≥ 0.5 µm to < 1 µm)	-	383 333 particles/mL	At least 10000 particles/mL	≥ 85%	2500 particles/mL	99.31%	99.56%	1683 particles/mL
NSF/ANSI 53 – Health Effects								
Cysts (3-4 micron particles - nominal)	99.5% reduction	307 500 Oocysts/L	Minimum 50000 Oocysts/L	99.95%	67 Oocysts/L	99.98%	99.99%	37.3 Oocysts/L
Asbestos	7MFL	13.3 MFL	10 ⁷ to 10 ⁸ fibres/L; fibres greater than 10 µm in length	99%	4760 fibres/L	99.96%	99.98%	2890 fibres/L

MCL—Maximum Contaminant Level

MFL—million fibres per litre

Cysts—Cryptosporidium, Giardia Lamblia, Entamoeba Histolytica

mg/L—milligrams per litre (1 mg/L = 1 part per million)

^a National Health and Medical Research Council Australian Drinking Water Guidelines

^b United States Environmental Protection Agency (USEPA) Safe Drinking Water ACT.

Testing performed under standard laboratory conditions, actual performance may vary.

Replacement Cartridge Model Number: Zip 91240

Lab testing conditions:

- pH 7.5 ± 0.05
- temperature 20 ± 3 °C (68 ± 5 °F)
- pressure 60 ± 3 psi (4.1 ± 0.2 bar)
- flow rate 1.0 gpm (3.8 lpm) [chlorine reduction]; 0.5 gpm (1.9 lpm) [mechanical reduction]

Use guidelines:

Nominal flow rate: 0.5 gpm

Rated capacity: 1500 gallons

Min/Max working pressure: 10 psi / 125 psi (0.7 bar / 8.6 bar; 70 kPa / 860 kPa)

Min/Max operating temperature: 35°F / 100°F (2°C / 38°C)

91240 Performance Data Sheet: Reduction Info (contd.)

This cartridge meets the domestic water treatment appliance Standard AS 3497 and NSF/ANSI Standards 42 & 53 for the following water treatment processes:

Class	Treatment type	Function	Pass
I	Microbiological Status: Bacteriostatic	Will stop bacteria increasing, but will not remove them unless II(a) is passed	N/A
II	Microbiological Treatment: Bacteria Removal	Will remove or inactivate bacteria	N/A
II(b)	Virus removal	Will remove or inactivate viruses	N/A
II(c)	Protozoa removal	Will remove or inactivate Cryptosporidium and Giardia. Will not remove or inactivate bacteria and viruses unless Class II(a) and II(b) are passed	PASS
III	Turbidity and particulate removal	Reduces cloudiness	PASS
IV	Taste and Odour reduction	Reduces tastes and odours	PASS
V	Chemical treatment	Decreases certain chemicals	N/A

Zip Water Filter cartridges are not covered by standard Zip warranty as filter life may vary according to water quality and rate of use.

Performance will vary based on local water conditions.

The substances reduced by this product are not necessarily in your water.

This product requires regular replacement to maintain proper operation. Varying chlorine, sediment, or organic substance levels may affect replacement frequency.

This product has to be installed according to local plumbing code on the cold-water line.

Do not allow exposure to temperatures below 35°F / 2°C.

Be sure to change the filter cartridge at least every 1500 gallons or annually, whichever occurs first; or when you detect a change in taste or odour, or a decrease in flow. 1500 gal is approximately equal to using 4 gal daily for one year.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

Distributed by:

Zip Heaters (Australia) Pty Ltd: 67 Allingham Street, Condell Park NSW 2200

Telephone: +612 9796 3100

Zip Water (UK) Ltd: Trafalgar House, Rash's Green, Dereham, Norfolk NR19 1JG UK

Telephone: +44 03456 005 005

Manufactured by:

Paragon Water Systems, Inc.; 13805 Monroes Business Park, Tampa, FL, USA.

Signature: Buyer

Signature: Seller

Date

Date