



November 9, 2012

KAZ USA INCORPORATED
PUR WATER FILTRATION
RAJESH KASBEKAR
250 TURNPIKE RD.
SOUTHBOROUGH MA 01772

Re: Description: WATER TREATMENT DEVICE - POU ACTIVATED CARBON
Manufacturer: KAZ USA INCORPORATED
Product Name: PUR HORIZONTAL FAUCET MOUNT WITH FLAVOR OPTIONS (POU)
Model Number(s): FM-3333B USING THE RF-3375 CARTRIDGE (POU)
Product File No: 20120351

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of March 2016.

This approval supersedes the approval issued on March 28, 2011 under product file number 20110064.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.
- If this approved device is modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- These devices will only reduce the concentration of volatile organic chemicals at water outlets that are served by the devices. There are dermal (skin) absorption and inhalation exposure risks associated with volatile organic chemicals. Therefore, using point-of-use devices such as these will not protect all routes of potential exposure. Potentially hazardous exposures to volatile organic chemicals will remain possible at unprotected outlets, particularly hot water outlets (e.g. bathing, showering, clothes washing or dish washing).

If, by way of reputable water analyses, a water supply is known to contain unsafe levels of volatile organic chemicals, then all the water entering the residence must be treated at the point-of-entry using an approved water treatment device to address all potential routes of exposure.

- If the treatment components of this device (e.g. replacement cartridge) are replaced with anything other than those originally approved for use with this device, then this approval shall immediately be considered null and void.
- These devices will only reduce the concentration of cysts/oocysts at water outlets that are served by the devices. Therefore, using point-of-use devices such as these will not protect all routes of potential exposure. Potentially hazardous exposures to cysts/oocysts will remain possible at unprotected outlets.

The presence of cysts/oocysts strongly suggests that other pathogens (e.g. bacteria, virus) may also be present.

If, by way of reputable water analyses, a water supply is known to contain cysts/oocysts, then all the water entering the residence must be treated at the point-of-entry, using an approved water treatment device, to address all potential routes of exposure thereby providing a biologically safe water supply.

Based on testing data submitted to and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of contaminants as specified on pages 1 through 6 of this letter.

TABLE 1 OF 5
PRODUCT FILE NUMBER 20120351
HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.2 liters per minute (lpm) [0.58 gallons per minute (gpm)]

Capacity: 378.5 liters (l) [100 gallons (gals.)]

Tested Contaminant	Influent challenge level µg/l (ppb)
Atrazine	9.0 ± 10%
Benzene	15.0 ± 10%
Carbofuran	80.0 ± 10%
Carbon Tetrachloride	15.0 ± 10%
Chlordane	40.0 ± 10%
o-Dichlorobenzene	1,800 ± 10%
Endrin	6.0 ± 10%
Ethylbenzene	2,100 ± 10%
Heptachlor Epoxide	4.0 ± 10%
Lindane	2.0 ± 10%
Methoxychlor	120 ± 10%
Methyl <i>tert</i> -butyl ether	15.0 ± 20%
Monochlorobenzene	2,000 ± 10%
Simazine	12.0 ± 10%
Styrene	2,000 ± 10%
Tetrachloroethene	15.0 ± 10%
Toluene	3,000 ± 10%
Toxaphene	15.0 ± 10%
Trichloroethene	300 ± 10%
2,4-D	210 ± 10%
2,4,5-TP (Silvex)	150 ± 10%

Other conditions: the contaminant reduction performance data for table 1 of 5 was generated by testing conducted in accordance with NSF *International* Standard 53. To comply, the device must reduce the influent Atrazine concentrations such that all effluent samples are ≤ 3.0 µg/l; the device must reduce the influent Benzene concentrations such that all effluent samples are ≤ 5.0 µg/l; the device must reduce the influent Carbofuran challenge concentrations such that all effluent concentrations are 40.0 µg/l; the device must reduce the influent Carbon Tetrachloride challenge concentrations such that all effluent concentrations are ≤ 5.0 µg/l; the device must reduce the influent Chlordane challenge concentrations

such that all effluent concentrations are 2.0 µg/l; the device must reduce the influent o-Dichlorobenzene challenge concentrations such that all effluent concentrations are ≤ 600 µg/l; the device must reduce the influent Endrin concentrations such that all effluent concentrations are ≤ 2.0 µg/l; the device must reduce the influent Ethylbenzene concentrations such that all effluent concentrations are ≤ 700 µg/l; the device must reduce the influent Heptachlor Epoxide concentrations such that all effluent concentrations are ≤ 0.2 µg/l; the device must reduce the influent Lindane concentrations such that all effluent samples are ≤ 0.2 µg/l; the device must reduce the influent Methoxychlor concentrations such that all effluent samples are ≤ 40 µg/l; the device must reduce the influent Methyl *tert*-butyl ether concentrations such that all effluent concentrations are ≤ 5.0 µg/l; the device must reduce the influent Monochlorobenzene challenge concentrations such that all effluent concentrations are ≤ 100 µg/l; the device must reduce the influent Simazine concentrations such that all effluent concentrations are ≤ 4.0 µg/l; the device must reduce the influent Styrene challenge concentrations such that all effluent concentrations are ≤ 100 µg/l; the device must reduce the influent Tetrachloroethene challenge concentrations such that all effluent concentrations are ≤ 5.0 µg/l; the device must reduce the influent Toluene challenge concentrations such that all effluent concentrations are ≤ 1,000 µg/l; the device must reduce the influent Toxaphene concentrations such that all effluent samples are ≤ 3.0 µg/l; the device must reduce the influent Trichloroethene concentrations such that all effluent concentrations are ≤ 5.0 µg/l; the device must reduce the influent 2,4-D concentrations such that all effluent concentrations are ≤ 70µg/l and the device must reduce the influent 2,4,5-TP (Silvex) concentrations such that all effluent concentrations are ≤ 5.0 µg/l.

µg/l = micrograms per liter are equivalent to parts per billion (ppb)
 ± = plus or minus

≤ = less than or equal to

TABLE 2 OF 5
PRODUCT FILE NUMBER 20120351
HEALTH EFFECTING MICROBIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.2 lpm (0.58 gpm)

Capacity: dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (#/ml)
C. parvum oocysts	≥ 50,000

Other conditions: the contaminant reduction performance data for table 2 of 5 was generated by testing conducted in accordance with NSF *International* Standard 53. To comply, the device must reduce at least 99.95 percent of the influent C. parvum oocysts to qualify the device for the reduction of oocysts of Cryptosporidium and Toxoplasma and cysts of Giardia and Entamoeba.

µm = micrometer
 ≥ = greater than or equal to

#/ml = number per milliliter

TABLE 3 OF 5
PRODUCT FILE NUMBER 20120351
HEALTH EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.2 lpm (0.58 gpm)

Capacity: 378.5 l (100 gals.) for lead and mercury reduction. For asbestos reduction, dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (mg/l) ¹
Asbestos fibers	10 ⁶ to 10 ⁷ F/l
Lead (Pb ⁺²) ²	0.15 ± 10%
Mercury (Hg ⁺²) ²	0.006 ± 10%

Other conditions: the contaminant reduction performance data displayed for table 3 of 5 was generated by testing conducted in accordance with NSF *International* Standard 53. To qualify for asbestos reduction, the device must reduce the influent asbestos fiber concentrations by $\geq 99\%$; the asbestos reduction is only for fibers exceeding 10 μm in length. To qualify for lead reduction, the devices must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.01 mg/l. To qualify for mercury reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.002 mg/l.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)
 μm = micrometers
 \pm = plus or minus

F/l = fibers per liter
 * = unless otherwise indicated
 2 = metals are tested at pH 6.5 and pH 8.5

**HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20120351
 TABLE 4 OF 5**

Flow Rate: 2.2 lpm (0.58 gpm)
Capacity: 378.5 l (100 gals.)

Tested Contaminant	Influent Challenge ($\mu\text{g/l}$) ¹
Alachlor	50
Atrazine	100
Benzene	81
Carbofuran	190
Carbon tetrachloride	78
Chlorobenzene	77
Chloropicrin	15
2,4-D	110
Dibromochloropropane (DBCP)	52
o-Dichlorobenzene	80
p-Dichlorobenzene	40
1,2-Dichloroethane	88
1,1-Dichloroethylene	83
cis-1,2-Dichloroethylene	170
trans-1,2-Dichloroethylene	86
1,2-Dichloropropane	80
cis-1,3-Dichloropropylene	79
Dinoseb	170
Endrin	53
Ethylbenzene	88
Ethylene dibromide (EDB)	44
Haloacetonitriles (HAN):	-
Bromochloroacetonitrile	22
Dibromoacetonitrile	24
Dichloroacetonitrile	9.6
Trichloroacetonitrile	15
Haloketones (HK):	-
1,1-Dichloro-2-propanone	7.2
1,1,1-Trichloro-2-propanone	8.2
Heptachlor (H-34, HEPTOX)	80
Heptachlor epoxide	10.7
Hexachlorobutadiene	44
Hexachlorocyclopentadiene	60
Lindane	55
Methoxychlor	50
Pentachlorophenol	96
Simazine	120

**HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20120351
 TABLE 4 OF 5 (continued)**

Flow Rate: 2.2 liters per minute (lpm) [0.58 gallon per minute (gpm)]
Capacity: 378.5 liters (l) [100 gallons (gals.)]

Tested Contaminant	Influent Challenge (µg/l) ¹
Styrene	150
1,1,2,2-Tetrachloroethane	81
Tetrachloroethylene	81
Toluene	78
2,4,5-TP (silvex)	270
Tribromoacetic acid	42
1,2,4-Trichlorobenzene	160
1,1,1-Trichloroethane	84
1,1,2-Trichloroethane	150
Trichloroethylene	180
Trihalomethanes (chloroform surrogate)	300
Xylenes (total)	70

Other Conditions: the contaminant reduction performance capabilities displayed for Table 4 of 5 were verified by testing conducted in accordance with NSF *International* Standard 53. To qualify for the reduction of the organic contaminants listed above, the device must reduce the influent challenge concentration of chloroform at 300 µg/L ± 10% at each sample point by a minimum of 95%

¹ = micrograms per liter (µg/l) are equivalent to parts per billion (ppb) ≤ = less than or equal to
 ± = plus or minus

**TABLE 5 OF 5
 PRODUCT FILE NUMBER 20120351
 AESTHETICS EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES**

Flow Rate: 2.2 lpm (0.58 gpm)
Capacity: 378.5 l (100 gals.) for free chlorine reduction performance. For particulate reduction, the capacity is dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (mg/l) [*]
Chlorine (free)	2.0 ± 0.2
Particles (0.5 - < 1.0 µm)	≥ 10,000 #/ml

Other conditions: the contaminant reduction performance data displayed for table 5 of 5 was generated by testing conducted in accordance with NSF *International* Standard 42. To qualify for free chlorine reduction, the device must reduce the influent challenge concentrations by ≥ 50%; meeting the free chlorine reduction requirements also qualifies the device for the reduction of aesthetic, organic, taste and odor reduction (e.g. geosmin, methylisoborneol); this does not include hydrogen sulfide. To qualify for particulate reduction, the device must reduce the influent particulate concentrations by ≥ 85%.

mg/l = milligrams per liter are equivalent to parts per million (ppm)
 * = unless otherwise indicated
 ± = plus or minus
 ≥ = greater than or equal to

µm = micrometers
 #/ml = particles per milliliter
 < = less than

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This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

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Plumbing Product Reviewer
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