

ODAK

Corporation

OWNER'S MANUAL

For Model Nos. ODAK500B and ODAK500C

Please retain this manual for future reference.

For replacement filter and parts call/write:

ODAK Corporation

PO Box 151

Avoca, PA 18641

888-901-ODAK

www.odak.com

Manufactured by Multi-Pure Drinking Water Systems for:
ODAK Corporation

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I-A Warranty

Odak warrants to the original retail customer its Drinking Water Systems and component parts to be free of defects in material and workmanship for use under normal care, and will repair or replace any System at no charge (excluding transportation to headquarters) to the customer during the warranty period. The Drinking Water System Housing is warranted for a lifetime; all exterior hoses and attachments to the system also are warranted for defects in material and workmanship for one year.

Solid Carbon Block Filters are warranted for defects in material and workmanship for use under normal care. The capacity of the filter cartridge depends upon the amount of impurities in the water being processed. For optimum performance, it is essential that the solid carbon block filter cartridge be replaced at least every 750 gallons of water processed or once a year, whichever comes first.

Except as otherwise expressly provided above, manufacturer makes no warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose, to any person. This limited warranty may not be altered, varied or extended except by a written instrument executed by manufacturer. The remedy of repair or replacement as provided under this limited warranty is exclusive. In no event shall manufacturer be liable for any consequential or incidental damages to any person whether occasioned by negligence of the manufacturer, including without limitation damages for loss of use, cost of substitution, property damage, or other monetary loss.

Warranty is valid only if drinking water system is operated within conditions listed herein.

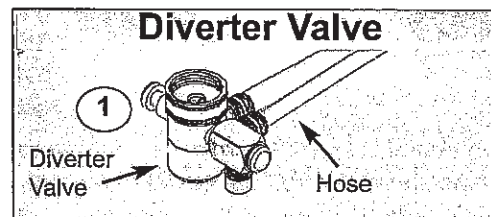
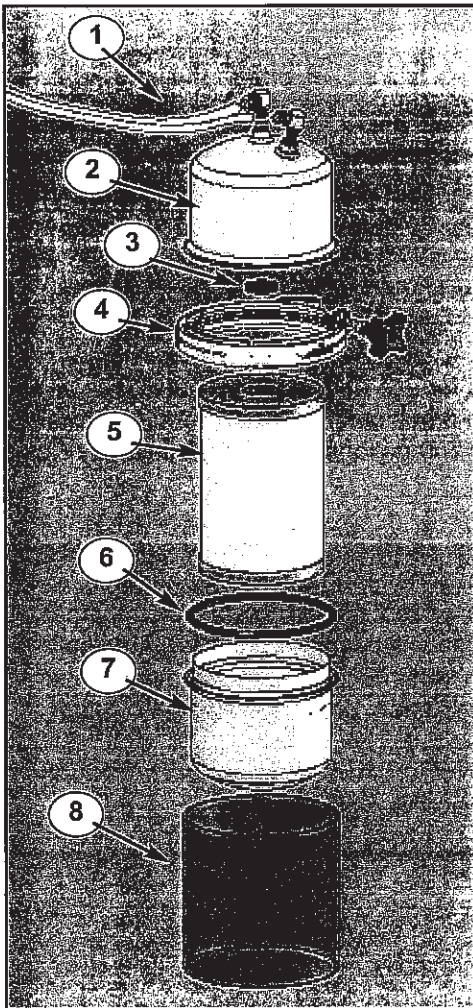
Odak K500 has been extensively tested and certified by independent agencies so as to provide you with the highest level of assurance that the device will perform as claimed. Please read this manual carefully before proceeding with the installation. Installation, operation and maintenance requirements are essential to the performance of your Drinking Water System. Failure to follow any instructions or operating parameters contained herein may lead to the product's failure and possible damage to property.

	<u>Model</u>
Model Number	ODAK500B and ODAK500C
Approximate Filter Capacity	750 gallons
Replacement Filter Type	MP6ODAK
Approximate Flow Rate @ 60 psi	0.75 gpm
Housing Composition	Stainless Steel
Rubber Items	Nitrile
Inlet	1/8" pipe
Outlet	1/8" Pipe
Maximum Working Pressure	100 psi/ 7.0 kg/cm ²
Minimum Working Pressure	30 psi/ 2.1 kg/cm ²
Maximum Operating Temperature	100° F/38°C-for cold water use only
Minimum Operating Temperature	32°F/0°C - for cold water use only
Particle Retention Size	sub micron (0.5 micron)
Certified by:	NSF

NOTES

1. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. Replace the filter cartridge when the first of the following occurs: (a) annually; (b) when the unit's rated capacity is reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
2. Not intended to be used where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
3. Do not allow water to freeze in the unit. If unit is exposed to freezing temperatures, drain water from unit and remove filter.
4. Do not allow water to sit in unit for extended periods of time (10 or more days) without being used. If unit is to be left unused for more than 10 days, drain all water from the system and remove the filter. Upon your return, reconnect the filter in the housing and continue use. In the event water does sit in the unit for 10 or more days, the system should be flushed by allowing water to flow to waste for about 3 minutes; then continue use as normal.
5. To dispose of the used filter, remove it from the housing and place the old filter in your normal refuse. The filter disposed of in a normal landfill will not release any chemical contamination but will probably continue to adsorb additional contaminants that are disposed of in landfills.
6. Check for compliance with state and local laws and regulations.

I.C. ODAK 500C Installation Overview & Part Numbers



Part Descriptions

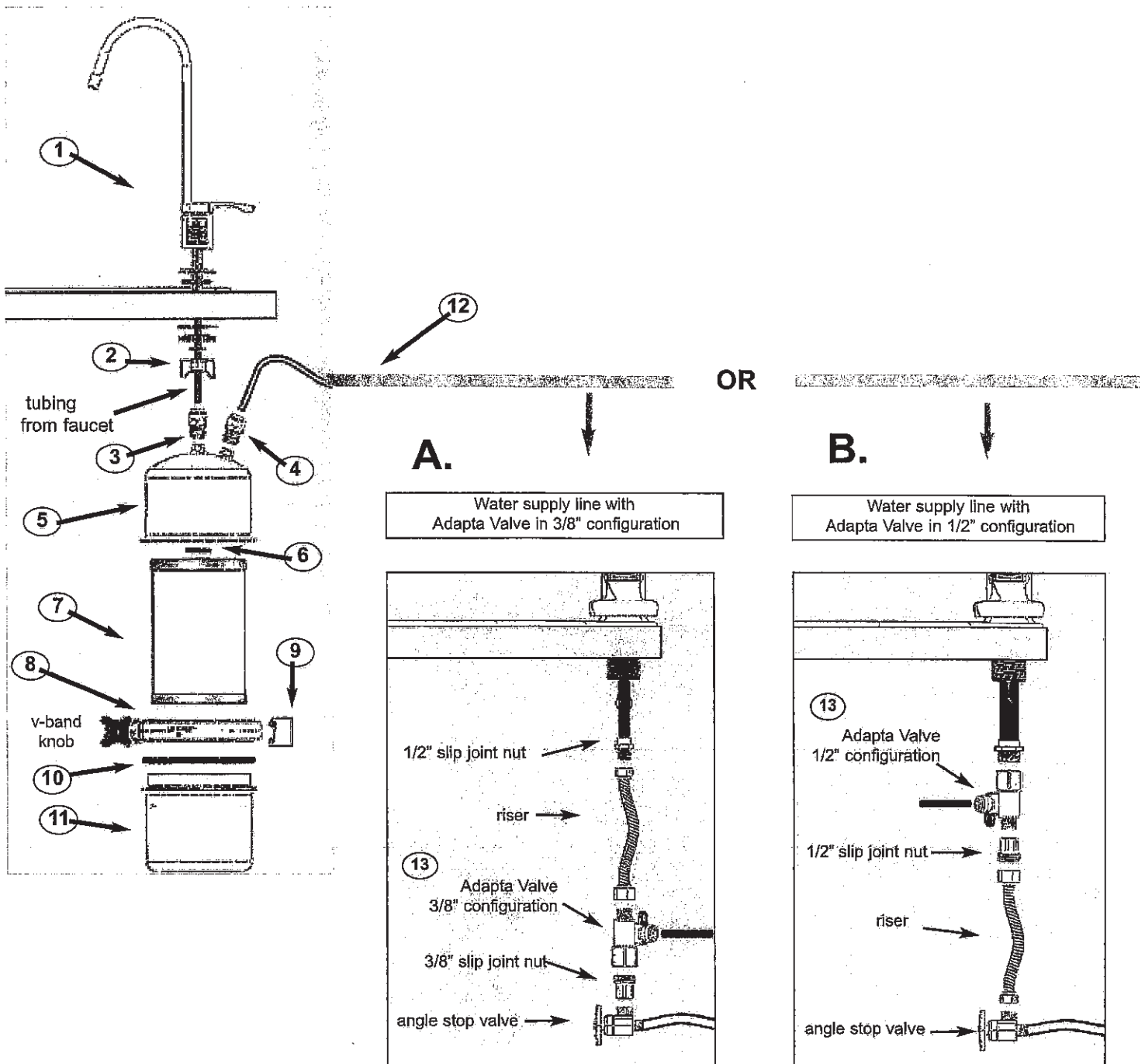
1. Hose and Diverter Valve
2. Housing Top
3. Black Rubber Cushion (inside housing top)
4. Locking V-Band
5. Filter Cartridge
6. O-Ring
7. MP750 Housing Bottom
8. Acrylic base

Standard Adapters (see page 5)

I.C. ODAK 500B Installation Overview & Parts

Item #	Part Description	Item #	Part Description
1	Faucet assembly with blue tubing attached	8	V-band with knob
2	Wing nut	9	Bracket
3	Outlet adapter - connects to blue tubing attached to faucet	10	O-ring
4	Inlet adapter - connects to clear tubing	11	Housing bottom
5	Housing top	12	Clear tubing -connects inlet adapter to plumbing
6	Black Rubber Cushion (inside housing top)	13	Adapta Valve assembly
7	Carbon Block Filter		

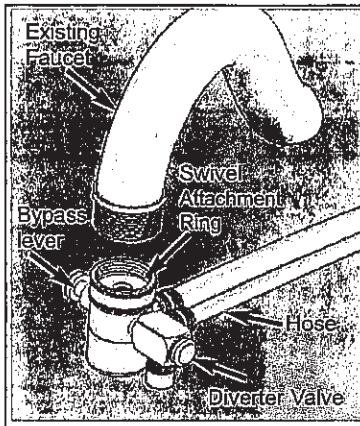
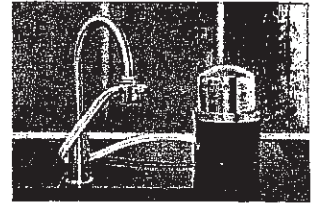
Connect clear tubing to plumbing -- Option A or B



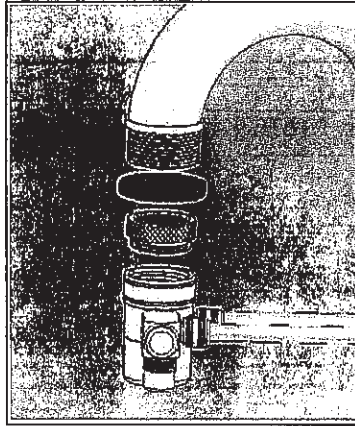
II. Connecting the Hose and Diverter Valve to Your Faucet

Countertop models sit on the counter next to the sink and are connected with a hose and diverter valve to your existing faucet.

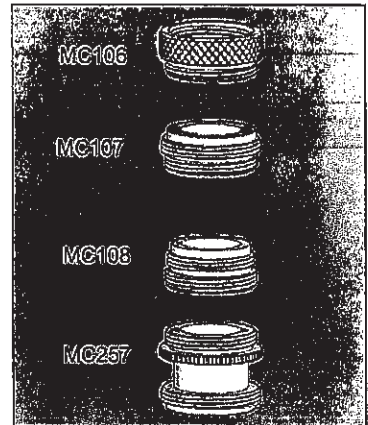
1. The water at your sink should be turned off.
2. Remove the aerator or screen from the end of your faucet.
3. Attach the Diverter Valve directly to the faucet spout. If the threads of the Diverter Valve don't match the threads of your faucet, use one of the adapters provided with your unit.



Diverter Valve Attachment



Diverter Valve Attachment
with adapter



MC 700 - Adapters (choose one)
Many installations do not
require an adapter

III. Connecting your Drinking Water System to Faucet

This stainless steel unit comes with the hose assembly attached to the housing top, and the unit sits on the countertop next to your sink. This model may be converted to below sink use with the purchase of a conversion kit. To complete the installation and engage the unit:

1. Turn on the water and push the bypass lever of the diverter valve to start the flow of water through the unit.
2. For Start-up instructions, see Section V.

IV. Below the Sink Installations

IV.A Required Tool List

The following tools are required to install your below sink Water System:

Installation of Faucet/Spigot (Ceramic/Porcelain Sink):

- 3/8" Reversible Electric Drill
- 7/16" (or 1/2") high speed steel drill bit
- 1/2" carbide tipped masonry drill bit
- Hammer
- Center punch
- 8" adjustable wrench
- Pliers or Vise Grips

Installation of Faucet/Spigot (Stainless Steel Sink):

- all of the items on left (except masonry drill bit), plus.....
- 1/8" high speed drill bit

Adapta Valve Installation:

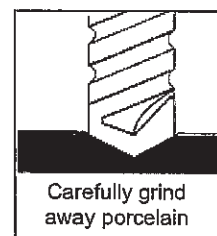
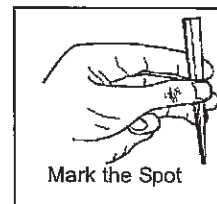
- 8" adjustable wrench
- Wire Cutter or Knife

IV.B. Drilling the Hole

1. Porcelain Sink, Ceramic Sink, or Cast Acrylic Sink

Note: Porcelain, cast acrylic, and ceramic sink surface materials are extremely hard and can crack or chip quite easily. Use extreme caution when drilling. Multi-Pure Drinking Water Systems accepts no responsibility for consequential damage resulting from the installation of a faucet.

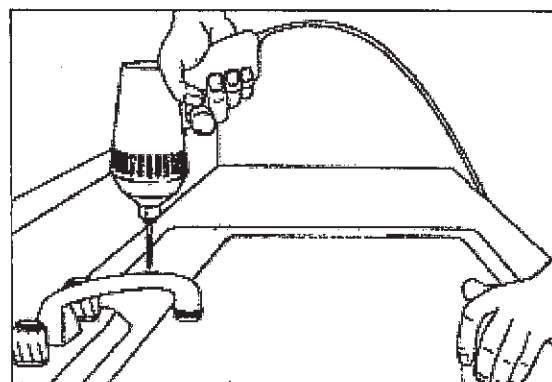
1. Select and mark the spot for mounting the faucet on your sink top.
 - a. Confirm that there are no reinforcing ribs under the sink location you select for your faucet.
 - b. If you have an extra hole in your sink for a rinsing hose, you may want to disconnect that hose and use the existing hole for your drinking water faucet.
2. Using the hammer and center punch, make an indentation by tapping the center punch gently on the ceramic/porcelain where the hole is to be drilled.
3. Use the 1/2" carbide tipped masonry drill bit to grind away the porcelain down to the metal, clearing away enough porcelain to allow for drilling a hole without damaging the porcelain surface.
4. Carefully use the 7/16" (or 1/2") high speed steel drill bit (CAUTION: do not allow the 7/16" bit to "grab" the porcelain - this would damage the porcelain surface) to completely drill a hole through the metal sink.



2. Stainless Steel or Metal Sink

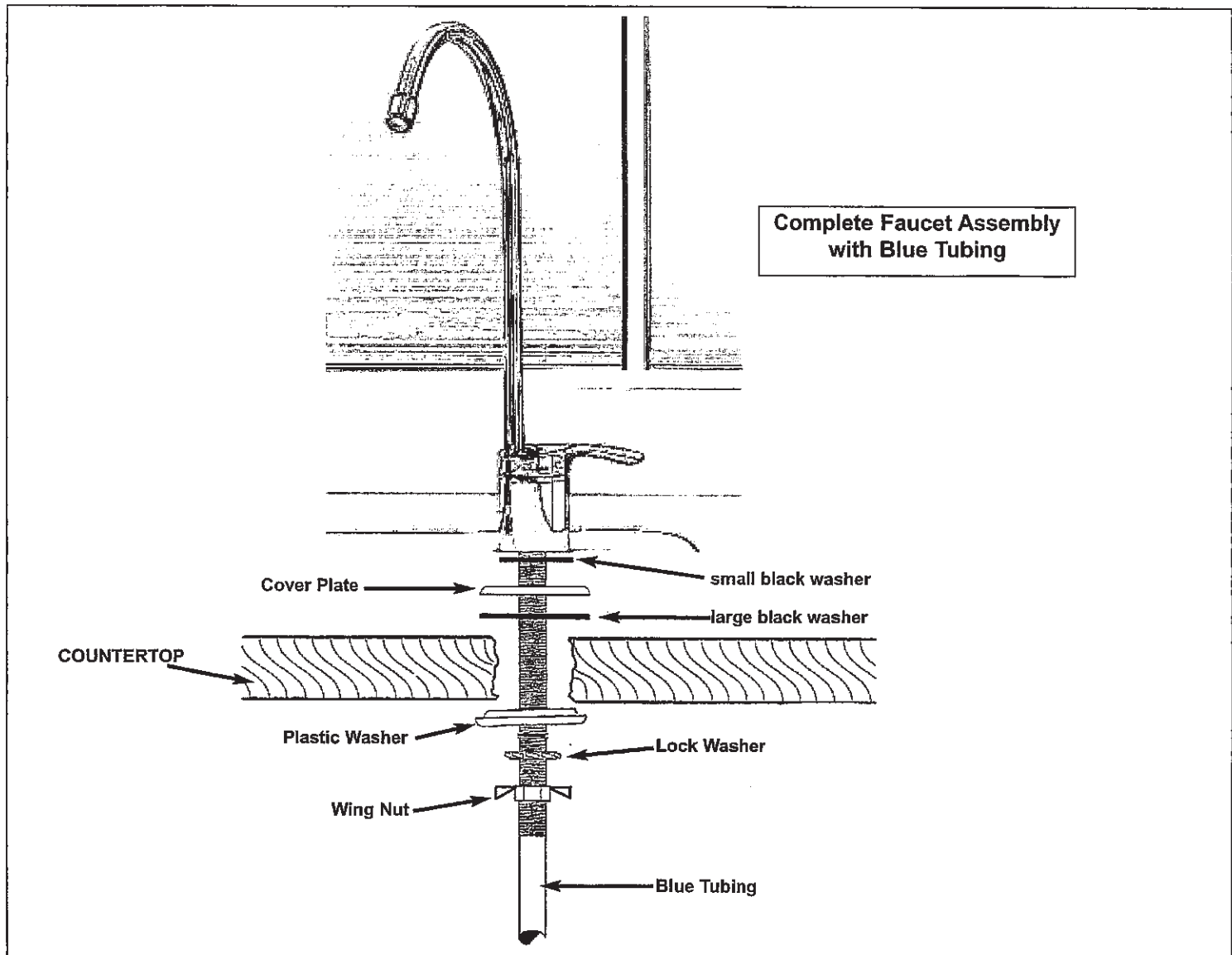
You will need to use a 1/8" high speed drill bit in addition to the other tools listed for the installation of a faucet on a stainless steel sink.

1. Select and mark the spot for mounting the faucet on your sink. If you have an extra hole for a spray hose at your sink, you may want to disconnect that hose and use the existing hole for your drinking water faucet.
2. Using the hammer and center punch, make an indentation where the hole is to be drilled.
3. Use the 1/8" high speed steel drill bit to drill a pilot hole.
4. Use the 7/16" (or 1/2") high speed steel drill bit to completely drill a hole through the stainless steel sink.



Note: For drilling a hole in your countertop, please consult with the countertop manufacturer.

IV.C. Installing the Stainless Steel Faucet



Mounting the Faucet

1. From the sink top, place the black (soft) rubber washer and then the chrome cover plate over the faucet hole. The chrome cover plate is visible from above the sink.
2. Feed the blue faucet tubing through the hole.
3. From under the sink, slide over the blue tubing:
 - a. the black plastic (hard) washer (with the small side up)
 - b. the steel washer
 - c. lock washer
 - d. the nut
4. Hand tighten the nut to secure the faucet. Using vice grips, secure the nut and faucet below the sink.

To operate your Faucet, twist the handle to turn on/off the flow of water.

The faucet is now ready to be connected to your drinking water unit.

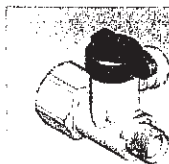
IV.D. CONNECTING TO YOUR PLUMBING

NOTE: The type of plumbing in your home will determine how you install your Drinking Water System using the Adapta Valve. Included with your Drinking Water System is one installation kit, which includes all of the fixtures and accessories to install your unit below the sink.

Adapta Valve Installation

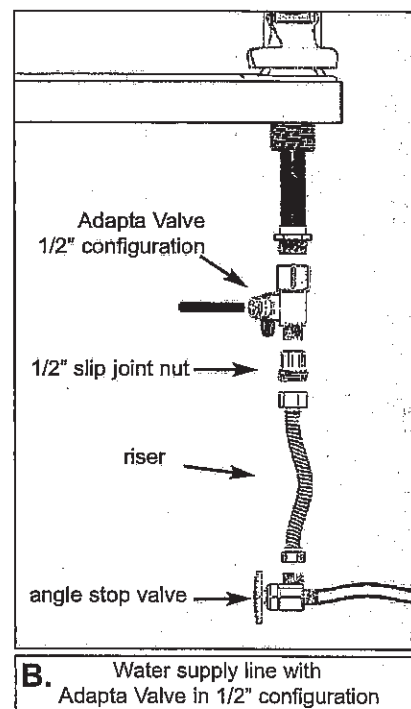
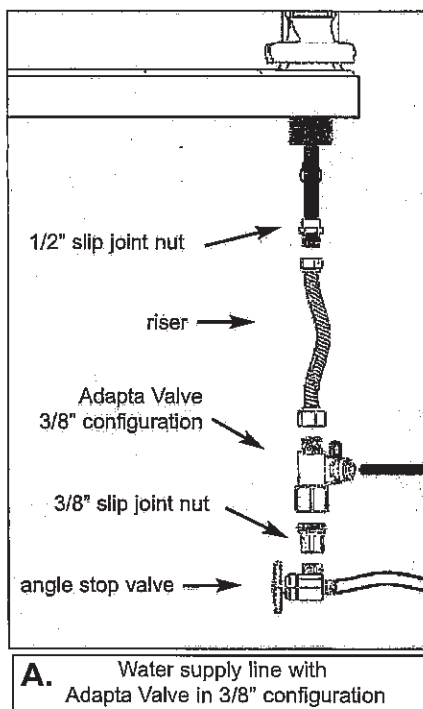
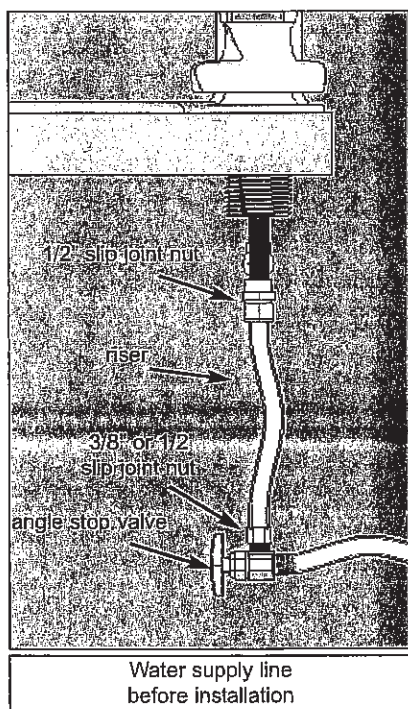
If your residence has a cold water supply line with a $3/8"$ or $1/2"$ slip joint connection, you may use the Adapta Valve (shipped with your unit) to connect your Drinking Water System to the plumbing. The Adapta Valve assembly (MC920ASBL) includes an adapta valve and adapter.

Adapta Valve
(#14)



Threading adapter

NOTE: When attaching the Adapta Valve to straight pipe threads, use Teflon tape on the threads. Wrap the tape around the pipe only once.



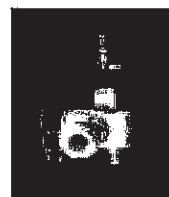
Choose the configuration ($3/8"$ or $1/2"$) that fits your plumbing. The $3/8"$ configuration usually is installed at the bottom of the riser at the angle stop valve. The $1/2"$ configuration can be installed at the top of the riser at the faucet pipe or at the bottom of the riser at the angle stop valve.

A. Use the $3/8"$ configuration on a water supply line with a $3/8"$ slip joint.

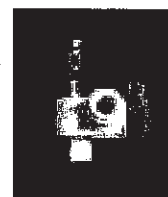
B. Install with the $1/2"$ configuration at the top of the riser on a water supply line that does not have a slip joint nut at the angle stop valve. If there is a $1/2"$ slip joint nut at the angle stop valve, the adapta valve in the $1/2"$ configuration can be installed at the angle stop valve.

Install on the cold water line only:

1. Turn off the cold water supply to the faucet by turning the angle stop valve completely off. You should utilize a container to catch any residual water in the pipes.



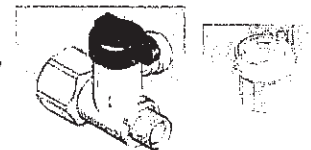
$3/8"$
configuration



$1/2"$
configuration

Adapta Valve Installation (continued)

2. Disconnect the cold water riser/supply line at the angle stop valve (or at your cold water faucet pipe, depending on the plumbing in your home) by turning the slip joint nut counter clockwise, using an 8" adjustable wrench.
3. Using the 8" adjustable wrench, connect to the Adapta Valve to the pipe (angle stop valve or your cold water faucet pipe) from which you removed the slip joint nut. Be sure the rubber washer is in place in the Adapta Valve. Turn clockwise until tight; however, DO NOT OVERTIGHTEN.
4. Connect the plumbing riser/supply line with the slip joint nut to the Adapta Valve. Be sure the supply line does not block the shut-off valve on the side of the Adapta Valve. If necessary, trim the supply line before reconnecting. Turn clockwise until tight.
5. Connect the clear 1/4" clear plastic tubing (#13), shipped with the unit, to the Adapta Valve by inserting the tubing, as far as it will go, through the small hole in the adapter that you attached to the shut-off valve.

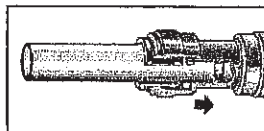


- a. Cut (square cut) the tip ends off the tubing using a sharp knife. Do not use scissors.
- b. The tubing must be fully inserted in the opening of the shut-off valve. It is recommended that you measure and mark the end of the tubing. The 1/4" clear tubing should be inserted about 5/8".


Insert clear tubing 5/8"

- c. Push the tubing through the small hole in the valve until you feel resistance -- at this point, the tubing is not fully inserted. Then push firmly until the tubing is inserted as far as it will go.

Push the tubing into the small hole as far as it will go. Pull to check secure.



6. Confirm that the Unit Shut-off Valve (attached to the Adapta Valve) is in the OFF position by turning the handle clockwise until it stops.
7. To connect the clear plastic tubing to your drinking water unit proceed to Section VI.

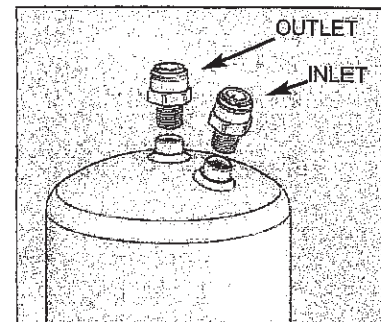
V.E. Attaching the Adapters to the Housing

OADK units are shipped with the connecting adapters appropriate for your Drinking Water System. The following shows the adapters that are shipped with the various units. You will receive one INLET adapter and one OUTLET adapter. Now is the time to attach the adapters to the housing top.

Blue Tubing connects the drinking water faucet to the **OUTLET** port on the housing.

Clear Tubing connects the plumbing to the **INLET** port on the housing.

1. Connect the appropriate adapter to the OUTLET port on the housing by turning clockwise. Tighten by hand and then give one to two more turns with a wrench.
2. Connect the INLET adapter or shut-off valve to the INLET opening on the unit housing by turning clockwise. Tighten by hand and then give one to two extra turns with a wrench.

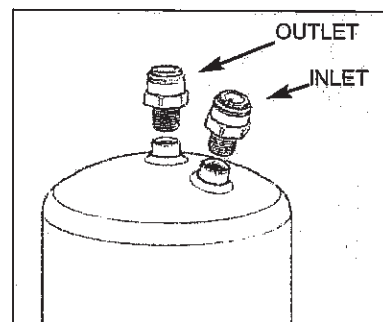


Housing Top

IV.F. Tubing Connections

Note: Use wire cutters or sharp knife to cut tubing. Do not use scissors.

Now that you have installed the faucet, connected to the plumbing, and prepared the housing, you are ready to complete the installation of your Drinking Water System.



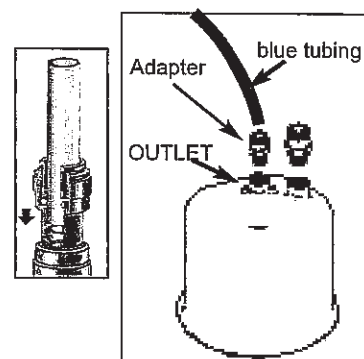
Housing Top

Connecting the Blue Faucet Tubing to Outlet Port

1. Connect the blue faucet tubing to the Small Straight Adapter (#3) that you previously connected to the **OUTLET** port.
2. Using wire cutters or knife, cut (square cut) the tip end off of the blue plastic tube connected to the faucet. Do not use scissors.
3. The tubing must be fully inserted in the adapter / switch. It is recommended that you measure and mark the end of the tubing that you are inserting in the adapter to assure that it is inserted as far as it will go. The 1/4" blue tubing should be inserted about 5/8".

Insert blue tubing 5/8"

4. Push the tubing through the small hole in the adapter until you feel resistance; at this point, the tubing is not fully inserted. Then push firmly until the tubing is inserted as far as it will go (see Item 3 above for measurements).
5. Pull to check that the tubing is secure.



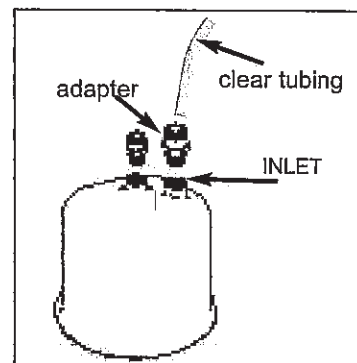
Insert tubing and push until you feel resistance -- at this point, the tubing is not fully inserted. Push firmly until the tubing is inserted as far as it will go.

Connecting Clear Tubing to Inlet

Note: Use wire cutters or sharp knife to cut tubing. Do not use scissors.

Be sure to provide sufficient tubing for conveniently changing the filter when it is time to replace it.

1. Connect the clear 1/4" tubing to the Large Straight Adapter which you previously connected to the **INLET** port.
2. Using wire cutters or knife, cut (square cut) the tip ends off of the clear plastic tube which you previously connected to the plumbing. Do not use scissors.
3. The tubing must be fully inserted in the adapter / shut-off valve. It is recommended that you measure and mark the end of the tubing that you are inserting in the adapter / valve to assure that it is inserted as far as it will go. The 1/4" clear tubing should be inserted about 7/8".
4. Push the tubing through the small hole in the adapter or valve until you feel resistance; at this point, the tubing is not fully inserted. Then push firmly until the tubing is inserted as far as it will go (see Item 3 above for measurements).
5. Pull to check that the tubing is secure.



Connecting to Straight Adapter



Insert tubing and push until you feel resistance -- at this point, the tubing is not fully inserted. Push firmly until the tubing is inserted as far as it will go.

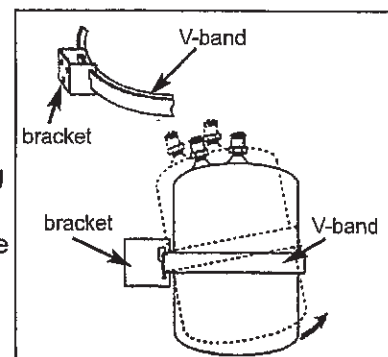
IV.G. Placing Your Unit Under Your Sink

Be sure to provide sufficient tubing for conveniently changing the filter when it is time to replace it. Mount the unit on the cabinet wall by using the wall bracket (enclosed with your shipment). Be sure to provide sufficient tubing for conveniently changing the filter when it is time to replace it.

Mounting Your Unit to the Wall:

1. Fasten the bracket to the wall, making sure it is in an upright position (the two holes go on top).
2. Attach the unit to the bracket by tilting the top of the unit towards the wall and sliding the V-Band up and into the upper notch on the bracket.
3. Straighten the unit and let the bottom of the V-Band settle into the lower notch on the bracket.

To remove your unit for servicing, reverse the above steps.

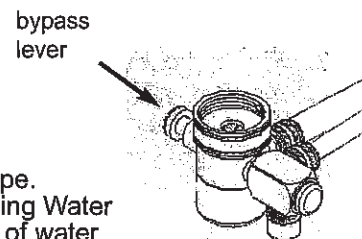


V. Start-up and Use of Your Drinking Water System

Congratulations, your Drinking Water System has been connected and you are now ready to start-up the unit, as follows:

Countertop Unit

1. Using a paper towel or cloth, dry off all connections.
2. Also, dry off the drinking water unit.
3. Ensure that all connections are tight (CAUTION: DO NOT OVER TIGHTEN).
4. Turn on the water.
5. Push the bypass lever of the diverter valve to start the flow of water through the unit.
6. Allow the water to run through the unit spout for about 5 minutes so that all air can escape.
7. Push the bypass lever of the diverter valve to shutoff the flow of water through the Drinking Water System. Then turn off the faucet to stop the flow of water at your sink. A small quantity of water will flow from the housing spout for about 10 to 20 seconds after the diverter valve is shut off.
8. Check all connections to confirm that there are no leaks.
9. Allow water to run through the unit to waste for approximately 30 minutes to flush the filter and charge the carbon.
10. Push the bypass lever of the diverter valve to shutoff the flow of water through the Drinking Water System. Then shut off the water at your faucet and check for leaks. A small quantity of water will flow from the housing spout for about 10 to 20 seconds after the the diverter valve is shut off.



Below Sink Unit

1. Using a paper towel or cloth, dry off all plumbing connections.
2. Also, dry off the drinking water unit.
3. Ensure that all connections are tight (CAUTION: DO NOT OVERTIGHTEN).
4. You are now ready to turn your water supply back on; turn on the plumbing Angle Stop Valve under your sink or the water shut-off valve where water enters your residence.
5. Turn on the water going to your System by turning the handle on the Shut-off Valve attached to the adapta valve.
6. Open the drinking water faucet by lifting the operating lever (handle) and lock in the up position.
7. Allow water to run through the unit for about 5 minutes so that all air can escape.
8. Adjust the handle on the Shut-off Valve so that the water flow to the drinking water faucet does not exceed the flow rate (0.75 gpm; to measure flow rate - it takes approximately 20 seconds to fill a quart at 0.75 gallons per minute)
9. Close the drinking water faucet and check for leaks.
 - a. Check the V-Band to confirm that it is secured evenly around the housing top and bottom.
 - b. Hand-tighten the black knob on the V-Band until it is as tight as possible.
10. Allow water to run through the unit to waste for approximately 30 minutes to flush the filter and charge the carbon.
11. Shut off the water and check for leaks.

Your Drinking Water System is now ready for use. You can enjoy having great tasting, high quality water for drinking, cooking, beverages, food preparation, etc. whenever you want it.

Congratulations, you have completed the installation.

For optimum performance and to maintain the warranty on your ODAK Drinking Water System, it is recommended that your filter be replaced on a regular basis. Filter life will vary depending on amount of water used and the type and level of contaminants in your local water.

If you have any questions regarding the installation of your unit, call:

ODAK Corporation
PO Box 151* Avoca, PA 18641 * 888-901-ODAK

VI. Instructions for Changing Your Filter

INSTRUCTIONS

1. Remove plastic wrapper and instruction wrap.
2. It may be advisable to place a pan beneath the housing before opening it.
3. Confirm that water is off. Shut off diverter valve by pushing inward on the stem. For below sink units, turn the blue shut-off valve $\frac{1}{4}$ turn clockwise. (fig. A) Confirm that the water supply to the filter is off by checking the filter faucet to make sure there is no water pressure.
4. **Go to Item #7 to continue the instructions for ODAK 500C.**
5. Open drinking water faucet to relieve pressure.
6. Remove Drinking Water System (Unit) from bracket (if mounted) by tilting the top of the Unit towards the wall and slide locking V-band of unit up and into upper notch; slide unit out of bracket. (See Fig. B)
7. With the housing in an upright position, open the unit by unscrewing the black knob on the Locking V-Band, and spread it apart and remove the Locking V-Band. (See Fig. C)
8. Separate the unit, leaving the black O-Ring in Place.
9. Remove the old filter (cartridge) from the unit housing by turning the cartridge in the direction shown in Fig D.
10. Wrap the used filter in paper and dispose of in your normal refuse.
11. Clean and rinse out the inside of the housing.
12. Inspect the rubber cushion; it is recommended that the cushion be replaced every two to three years.
13. Screw new filter (cartridge) in the housing top by turning the cartridge as shown in Fig E until firm; however, DO NOT OVER TIGHTEN.
14. Reconnect the housing top with bottom and replace Locking V-Band; replace black knob and turn until tight.
15. Be sure that the Locking V-Band is fastened tightly by:
 - a. Check the V-Band to confirm that it is secured evenly around the housing top and bottom.
 - b. Hand-tighten the black knob on the V-Band until it is as tight as possible.
16. Turn on water going to the Drinking Water System (unit) and start the flow of water through the unit.
17. Allow water to run through the unit spout/faucet for about 5 minutes so that all air can escape.
18. Then turn off the water to the spout/faucet.
19. Check all connections to confirm that there are no leaks.
20. Flush the filter and charge the carbon by allowing water to run to waste for about twenty 20 minutes.
21. Shut off the flow of water through the Drinking Water System.
22. Check for leaks.

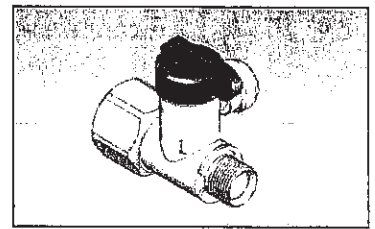


Fig. A

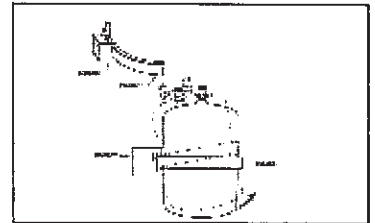


Fig. B

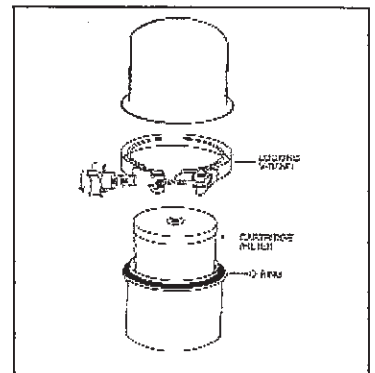


Fig. C

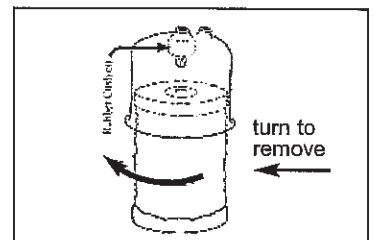


Fig. D

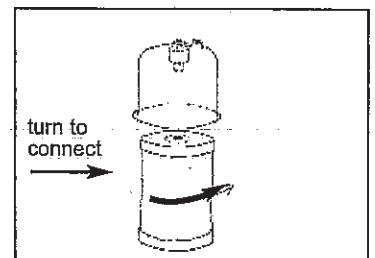


Fig. E

VII. Performance Data Sheet

Performance Data Sheet

ODAK K 500 been tested and certified under NSF/ANSI Standard Nos. 53 as shown 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 53, Health Effects.



For Model No. ODAK ODAK500B and ODAK500C

Substance	Percent Reduction**	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
ALACHLOR*	>98%	0.05	0.001
ASBESTOS	>99.9%	10' to 10 ⁶ fibers/L; fibers greater than 10 micrometers in length	99% reduction requirement
ATRAZINE*	>97%	0.1	0.003
BENZENE*	>99%	0.081	0.001
BROMODICHLOROMETHANE (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
BROMOFORM (TTHM)*	>99.8%	0.300 +/- 0.30	0.015
CARBOFURAN (Furadan)*	>99%	0.19	0.001
CARBON TETRACHLORIDE*	98%	0.078	0.0018
CHLORDANE	>99.5%	0.04 +/-10%	0.002
CHLOROBENZENE (Monochlorobenzene)*	>99%	0.077	0.001
CHLOROPICRIN*	99%	0.015	0.0002
CHLOROFORM (TTHM)* (surrogate chemical)	>99.8%	0.300 +/- 0.30	0.015
Cryptosporidium (CYST)	99.95%	minimum 50,000/mL	99.95%
CYST (Giardia; Cryptosporidium; Entamoeba; Toxoplasma)	99.95%	minimum 50,000/mL	99.95%
2, 4-D*	98%	0.110	0.0017
DBCP (see Dibromochloropropane)*	>99%	0.052	0.00002
1,2-DCA (see 1,2-DICHLOROETHANE)*	95%	0.088	0.0048
1,1-DCE (see 1,1-DICHLOROETHYLENE)*	>99%	0.083	0.001
DIBROMOCHLOROMETHANE (TTHM; Chlorodibromomethane)*	>99.8%	0.300 +/- 0.30	0.015
DIBROMOCHLOROPROPANE (DBCP)*	>99%	0.052	0.00002
o-DICHLOROBENZENE (1,2 Dichlorobenzene)*	>99%	0.08	0.001
p-DICHLOROBENZENE (para-Dichlorobenzene)*	>98%	0.04	0.001
1,2-DICHLOROETHANE (1,2-DCA)*	95%	0.088	0.0048
1,1-DICHLOROETHYLENE (1,1-DCE)*	>99%	0.083	0.001
CIS-1,2-DICHLOROETHYLENE*	>99%	0.17	0.0005
TRANS-1,2-DICHLOROETHYLENE*	>99%	0.086	0.001
1,2-DICHLOROPROPANE (Propylene Dichloride)*	>99%	0.08	0.001
CIS-1,3-DICHLOROPROPYLENE*	>99%	0.079	0.001
DINOSEB*	99%	0.17	0.0002
EDB (see ETHYLENE DIBROMIDE)*	>99%	0.044	0.00002
ENDRIN*	99%	0.053	0.00059
Entamoeba (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
ETHYLBENZENE*	>99%	0.088	0.001
ETHYLENE DIBROMIDE (EDB)*	>99%	0.044	0.00002
Furadan (see CARBOFURAN)*	>99%	0.19	0.001
Giardia Lamblia (see CYST)	>99.95%	minimum 50,000/mL	99.95%
HALOACETONITRILES (HAN)*			
BROMOCHLOROACETONITRILE	98%	0.022	0.0005
DIBROMOACETONITRILE	98%	0.024	0.0006
DICHLOROACETONITRILE	98%	0.0096	0.0002
TRICHLOROACETONITRILE	98%	0.015	0.0003
HALOKETONES (HK):*			
1,1-DICHLORO-2-PROPANONE	99%	0.0072	0.0001
1,1,1-TRICHLORO-2-PROPANONE	96%	0.0082	0.0003
HEPTACHLOR*	>99%	0.25	0.00001
HEPTACHLOR EPOXIDE*	98%	0.0107	0.0002
HEXACHLOROBUTADIENE (Perchlorobutadiene)*	>98%	0.044	0.001
HEXACHLOROCYCLOPENTADIENE*	>99%	0.060	0.000002

**Percent reduction reflects actual performance of ODAK product as specifically tested (at 200% of capacity, i.e. 1500 gallons). Percent reduction shown for VOCs* reflects the allowable claims for Volatile Organic Chemicals/Compounds as per Tables. Chloroform was used as a surrogate for VOC reduction claims; the ODAK Systems' actual reduction rate of Chloroform was >99.8% as tested (at 200% of capacity).

III. Performance Data Sheet (continued)

Substance	Percent Reduction*	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
LEAD (pH 6.5)	>99.3%	0.15 +/- 10%	0.010
LEAD (pH 8.5)	>99.3%	0.15 +/- 10%	0.010
LINDANE*	>99%	0.055	0.00001
MERCURY (pH 6.5)	>99%	0.006 +/- 10%	0.002
MERCURY (pH 8.5)	>99%	0.006 +/- 10%	0.002
METHOXYCHLOR*	>99%	0.050	0.0001
Methylbenzene (see TOLUENE)*	>99%	0.078	0.001
Monochlorobenzene (see CHLORO BENZENE)*	>99%	0.077	0.001
MTBE (methyl tert-butyl ether)	>96.6%	0.015 +/- 20%	0.005
POLYCHLORINATED BIPHENYLS (PCBs, Aroclor 1260)	>99.9%	0.01 +/- 10%	0.0005
PCE (see TETRACHLOROETHYLENE)*	>99%	0.081	0.001
PENTACHLOROPHENOL*	>99%	0.096	0.001
Perchlorobutadiene (see HEXACHLOROBUTADIENE)*	>98%	0.044	0.001
Propylene Dichloride (see 1,2-DICHLOROPROPANE)*	>99%	0.080	0.001
SIMAZINE*	>97%	0.120	0.004
Silvex (see 2,4,5-TP)*	99%	0.270	0.0016
STYRENE (Vinylbenzene)*	>99%	0.15	0.0005
1,1,1-TCA (see 1,1,1-TRICHLOROETHANE)*	95%	0.084	0.0046
TCE (see TRICHLOROETHYLENE)*	>99%	0.180	0.0010
1,1,2,2-TETRACHLOROETHANE*	>99%	0.081	0.001
TETRACHLOROETHYLENE*	>99%	0.081	0.001
TOLUENE (Methylbenzene)*	>99%	0.078	0.001
TOXAPHENE	>92.9%	0.015 +/- 10%	0.003
Toxoplasma (see CYSTS)	99.95%	minimum 50,000/mL	99.95%
2,4,5-TP (Silvex)*	99%	0.270	0.0016
TRIBROMOACETIC ACID*		0.042	0.001
1,2,4 TRICHLORO BENZENE (Unsymtrichlorobenzene)*	>99%	0.160	0.0005
1,1,1-TRICHLOROETHANE (1,1,1-TCA)*	95%	0.084	0.0046
1,1,2-TRICHLOROETHANE*	>99%	0.150	0.0005
TRICHLOROETHYLENE (TCE)*	>99%	0.180	0.0010
TRICHLOROMETHANES (TTHM) (Chloroform; Bromoform; Bromodichloromethane; Dibromochloromethane)	>99.8%	0.300 +/- 0.30	0.015
TURBIDITY	>99%	11 +/- 1 NTU	0.5 NTU
TRICHLORO BENZENE*	>99%	0.160	0.0005
Vinylbenzene (see STYRENE)*	>99%	0.150	0.0005
XYLENES (TOTAL)*	>99%	0.070	0.001

NSF/ANSI 42 - Aesthetic Effects

The System has been tested according to NSF/ANSI Standard 42 for the reduction of the following substances. 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.

Substance	Percent Reduction*	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
CHLORAMINE as Aesthetic Effect (As Monochloramine)	>97%	3.0 mg/L +/- 10%	0.5 mg/L
CHLORINE as Aesthetic Effect	99%	2.0 Mg/L +/- 10%	> or = 50%
PARTICULATE, (Nominal Particulate Reduction, Class I, Particles 0.5 TO <1 UM)	Class I > 99%	At Least 10,000 particles/mL	> or = 85%

Note: This addresses the U.S. Environmental Protection Agency (EPA) Primary and Secondary Drinking Water Regulations in effect at its time of publication, they relate to Multi-Pure's performance in conformance to the industry performance criteria. These regulations are continually being updated at the Federal level. Accordingly, this list of MCLs will be reviewed and amended when appropriate. Please see sales brochure for list of product certifications.

NOTES:

1. ODAK Drinking Water Systems have been certified, as indicated, by NSF International for compliance to NSF/ANSI Standard Nos. 42 & 53.
2. Chloroform was used as a surrogate for claims of reduction of VOCs. ODAK Systems tested at >99.8% actual reduction of Chloroform. Percent reduction shown herein reflects the allowable claims for VOCs as per tables in the Standard.
3. **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 water that may contain filterable cysts.**
4. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the unit's rated capacity has been reached; (c) the flow rate diminishes; (d) the filter becomes saturated with bad tastes and odors.
5. ODAK Drinking Water Systems are warranted for a lifetime. All exterior hoses and attachments to the System are warranted for one year. Please see the Owner's Manual for complete product guarantee and warranty information.
6. Please see the Owner's Manual for installation instructions and operating procedures.
7. Check for compliance with state and local laws and regulations.
8. While testing was performed under standard laboratory conditions, actual performance may vary.
9. The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.

