



PRODUCT SPECIFICATIONS COMMERCIAL DEVICES



AQUAREV WATER PRODUCT SPECIFICATIONS CHART

Standard Size Comerical Specification Chart. See dimensions diagram for reference.
8" and 10" products are available.

RETURN PIPE SIZE		2"	3"	4"	6"
PRODUCT ID		KD2X4X2	KD3X6X3	KD4X8X4	KD6X12X6
DESCRIPTION		Water Conditioning	Water Conditioning	Water Conditioning	Water Conditioning
WARRANTY		Lifetime	Lifetime	Lifetime	Lifetime
MOVING PARTS		No	No	No	No
ELECTICITY REQUIRED		No	No	No	No
VENDOR CODE		KD2X4X2	KD3X6X3	KD4X8X4	KD6X12X6
PACKAGE DIMENSIONS		36"L x 10.5"W x 10.5"H	36"L x 10.5"W x 10.5"H	36"L x 10.5"W x 10.5"H	44"L x 16.5"W x 16.5"H
UNIT DIMENSIONS	UNIT DIMENSIONS - ID	STD 2 Inch Outside Diameter	STD 2 Inch Outside Diameter	STD 4 Inch Outside Diameter	STD 6 Inch Outside Diameter
	UNIT DIMENSIONS - D1	5"	7.25"	9.34"	13.75"
	UNIT DIMENSIONS - D2	3.6"	5.060"	6.19"	9"
	UNIT DIMENSIONS - L1	20.25"	24"	28.19"	40"
	UNIT DIMENSIONS - L2	13.375"	15"	18.88"	25"
DIMENSIONS SYSTEM		2"L x 4"W x 2"D	3"L x 6"W x 3"D	4"L x 8"W x 4"D	6"L x 12"W x 6"D
PACKAGE WEIGHT		8 lbs	20 lbs	35 lbs	50 lbs
MIN GPM		44	112	240	440
MAX GPM		127	273	480	1100
HEAD LOSS: PRESSURE DROP PSI		2.6	2.6	2.6	2.6
PRODUCT MATERIAL		PVC	PVC	PVC	PVC
FITTING TYPE		1.95-2.05" ID PVC Threaded Hub	2.90"-3.05" ID PVC Threaded Hub	4" ID PVC Threaded Hub	5.85"-5.95" ID PVC Threaded Hub
LEAD LAW COMPLIANT		Yes	Yes	Yes	Yes
UNIT OF MEASTURE EA.		Qty 1	Qty 1	Qty 1	Qty 1

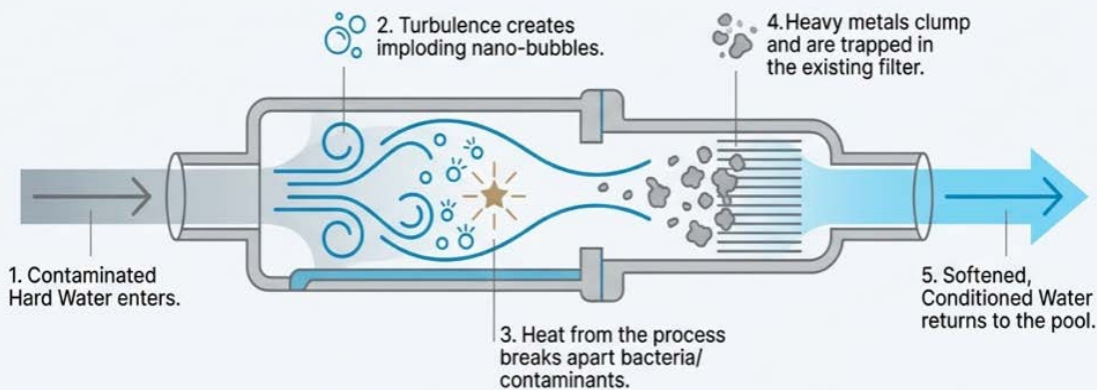
SPECIFICATION REFERENCE



HOW AQUAREV WATER WORKS.

The AquaRev commercial devices are designed to work in-line with almost all commercial water treatment pump systems. The unit itself is a standalone installation that does not require any power, unique calibration, or configurations. The base units will fit with all 1" to 10" outflow pipes for treatment before reentering the body of water and can be used in tandem with salt or chlorine-based sanitation systems.

As water passes through the AquaRev device chamber, the water undergoes hydrodynamic cavitation, temporarily converting from liquid into gas nano-bubbles. These cavitation bubbles implode inside the chamber and then re-liquefy before returning to the system. During the cavitation process, temperatures within the collapsing nano-bubbles can exceed 500°F, destroying bacteria and causing heavy metals and other contaminants to aggregate and fall out of suspension. The result of this patented process is purified, cleaner, softer, and healthier water. The system operates completely silently, produces no back-pressure, and contains no moving parts or electrical components.



CASE STUDY | Market Average & Lab Reports



44%

Water Loss Reduction

54%

Chlorine Use Reduction

48%

Salt Use Reduction

49%

Acid Use Reduction

59%

Co2 Use Reduction

68%

Operating Cost Reduction



INSTALLATION GUIDE

Tools Reuired.



Pipe Cutter



Tape Measure



PVC Primer



Deburring Tool

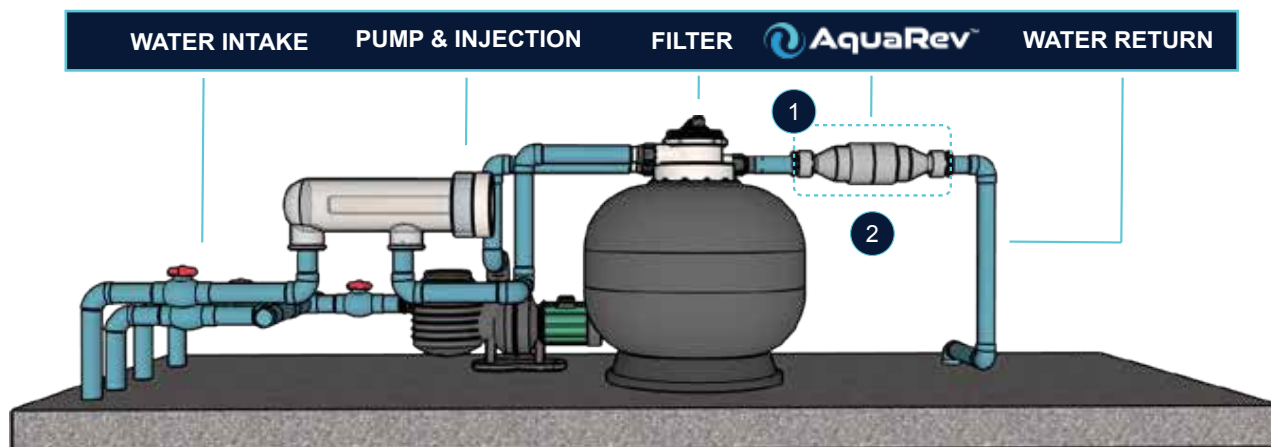


Marker Pen



PVC Cement

Inline Installation.



Steps.

1

- a) Turn off, and lock out the pump. Make sure the water pipe is not under pressure.
- b) Mark, measure and cut the water return lines to the specifications measurements.
- c) Clean and remove any burs or debris from all pipes after cutting.

2

- a) Apply certified cement adhesive and install unions onto the cut plumbing.
- b) Situate the AquaRev Water device into the water line and tighten the unions snug only (as per the union manufacturer's instructions). Do not over tighten.

3

- a) Wait until the cement is dry, then turn on the pump.
- b) Check for leaks and property system operations.

MAINTENANCE

The AquaRev Water device requires no regular or scheduled maintenance. It contains no moving parts and is constructed from Polyvinyl Chloride (PVC), the same material used in standard pool plumbing. The unit has no filters, no chemicals, and requires no electrical power or grounding because it contains no metal components. The AquaRev Water device is supplied with two Schedule 40 unions. We recommend installing one on each side of the device to allow easy removal, inspection, or cleaning in the rare event debris bypasses your filtration system and obstructs the device. If the AquaRev Water device ever becomes clogged, turn off and lock out the pump. Loosen the unions, remove the device, rotate it 180 degrees, and run water backward through it for 5 minutes to clear debris. Reinstall the device in its original orientation when finished.

WARNING

Turn off and lock out the pool pump before working with PVC cement and plumbing components. Follow all manufacturer instructions and ensure proper ventilation—avoid heat and open flame. The AquaRev device must be installed as the final component in the pool and spa water treatment/recirculation loop (after the pump, filter, heater, and chemical feeders). Install it as close as possible to the pool's return line. If the return line is too short, use additional PVC elbows and lengths to create sufficient space. Qualified pool or spa professional or licensed plumber should install the AquaRev device. Install it on the return line of the system; it will operate correctly in any orientation—horizontal, vertical, diagonal, or angled. Gravity does not affect its performance. Before installation, remove the AquaRev device from its packaging and confirm the IN and OUT flow directions match your system layout. Verify all supplied components—including the Schedule 40 unions—are present. Install the first half of each union using PVC primer and the appropriate solvent cement as recommended by the manufacturer. After solvent curing, attach the unions to the AquaRev device and confirm full insertion before tightening.

IN USE BY LEADING OPERATORS.



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