

Arrow 5 Datasheet

UV-LED Water Purification System



FEATURES & BENEFITS

Arrow 5 is a single point-of-use water purification system:

- Eliminates up to 99.9999% of bacteria and viruses
- Safe & convenient, contains no hazardous materials
- Chemical-free water treatment; No mercury content
- Advanced IntenseBeam™ Technology with patented design
- On-demand activation, enables long lifetime
- Low maintenance requirements (no UV lamps to replace)
- Real-time monitoring, device health indication
- Advanced pre-filter
- Protection against voltage surges
- 2 years warranty

SPECIFICATION

UV Dose Delivery	>16 mJ/cm ²
Certified Flow Rate	5.0 L/min
Water Inlet Fitting	3/8" OD Push-to-Connect
Water Outlet Fitting	3/8" OD Push-to-Connect
Input Voltage	11-16V DC
Power Consumption (Active)	Approx. 60 W
Power Consumption (Standby)	Approx. 0.1 W
Maximum Water Temperature	40 °C
Maximum Working Pressure	100 PSI
Minimum Working Pressure	40 PSI
LED Life-time	3,000 hr (on demand)
Water Disinfection Rate	Up to 99.9999 %
Power Source	AC (power adapter) or DC (direct)
Capacity (Liters)	900,000 (237,754 gallon)
Est. Fill time for 1 cup of Water	4 Seconds
Unit Dimensions (mm)	280 x 90 x 160
Can Serve Multiple Faucets	Yes
Weight	4.29 Kg
Material	Polished extruded aluminum case, stainless steel disinfection reactor

PRE-FILTER SPECIFICATION

Type	In-line filter
Certifications	NSF/ANSI 42 & 372
Operation Temperature	2-38 °C
Details	1 micron carbon block with ion exchange resin for lead, cysts, chlorine, taste, color, odor, and VOC reduction
Material	Plastic housing

CERTIFICATIONS

Compliance* to NSF/ANSI 55 Class "B"

* At the beginning of life

APPLICATIONS

- Suited for under the sink in the home, cottage, RV or boat water purification.
- Ideal for dedicated drinking water faucet option and entry-level main drinking water faucet option.

OPTIONS

- Arrow 5 is powered by either 12V DC directly (for RVs or boats) or via 110V to 240V AC using a power adapter (where only AC power is available such as home or cottage)
- With Smart Faucet / without Smart Faucet (Acuva Smart Faucet is equipped with real time health indicator)

SPECIAL NOTICE

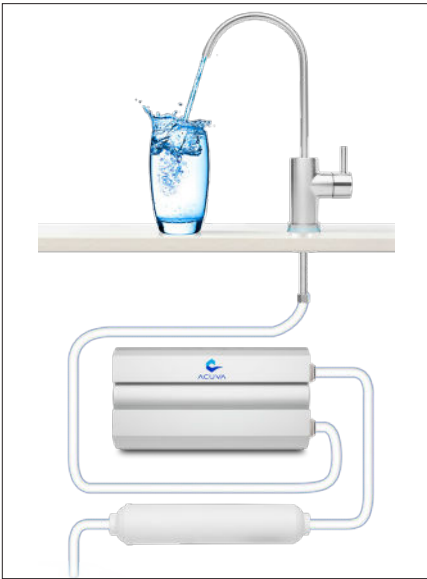
- Do not connect to AC power without an AC to DC power adapter; this device uses DC only.
- Failure to properly winterize the Acuva™ Arrow 5 before it is exposed to freezing temperatures can lead to damage and water leakage.

DANGERS

- Do not store the device in freezing conditions.
- Do not allow water to freeze in the device.
- Do not use the device if damaged or dropped.
- Do not submerge the device under water.
- Do not install in an engine compartment or other areas where explosive vapours may be present.

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COMPONENTS INCLUDED BY THE MANUFACTURER:



UV-LED Water Disinfection System



Composite In-Line Water Filter



Smart Faucet (Optional)



Mounting Equipment



3/8" Tubing
*Home under bench installation requires ASV8 sold separately



Power (AC/DC)

