



Potable Water

- Rainwater Harvesting
- Mineral water plants
- Homes and apartment complexes
- Commercial buildings
- Hospitals
- Hotels



Beverages

- Beverage plants
- Food processing plants
- Dairies, CIP water
- Wineries
- Hatcheries



Water Treatment Plants

- Legionella control
- DM plants
- RO plants (for pre-RO and post-RO)
- Softening plants
- Water filtration plants
- Industrial water treatment plants
- Stormwater disinfection

Advance Ultra-Violet Disinfection Systems

ADV-C Series:

Reliable protection from pathogenic micro-organisms e.g. bacteria, viruses, yeast, algae, spores etc.

Easy to install, use and maintain. Certified to WaterMark Level1



Features & Benefits

- | | | |
|---|---|--------------------------------------|
| ✓ High and consistent UV dose | ✓ Turbulent flow design for uniform UV dose | ✓ Ex-stock spares |
| ✓ High-performance quartz ultraviolet lamps | ✓ Compact size | ✓ Trouble-free, long-life operation |
| ✓ Matched electronic ballasts | ✓ Easy piping | ✓ System status indicators |
| ✓ High % UVT, fused silica quartz sleeves | ✓ Self-guiding quartz sleeve supports | ✓ SS316 electro-polished UV chambers |
| ✓ Horizontal (Vertical possible) installation | ✓ Easy-to-change UV lamps | ✓ Application support available |
| | ✓ Service from one end | ✓ Quartz sleeve wiper optional |

Wide Choice of Power Supply Boxes:

Different versions available all with standard 10A GPO plug and 2m lamp lead.

Version: BRK

Suitable for all models from ADV-C50 to ADV-C400

Includes visible and audible lamp fail alarm, for indoor operation only.

Dimensions: 105 x 60 x 30 mm, Weight: 0.4 kg

Version: DDCV

Suitable for all models from ADV-C50 to ADV-C1800

Includes visible and audible lamp fail alarm, volt free contacts (BMS),

lamp operation count down timer 365 – 0 days,

lamp change alert, for indoor operation only.

Dimensions: 205 x 75 x 53 mm, Weight: 0.7 kg

Version: PRO

Available from all ADV-C series models

Includes power on indicator, visible and audible lamp fail alarm, volt free contacts (BMS) optional,

hours run meter,

IP65 (IP54 for fan cooled versions).

Dimensions: 300 x 300 x 150 mm, Weight: 5.5 kg



ADV-C Series: Power Supply Comparison

Feature	BRK	DDCV Series	PRO
System Status Indicators	✓	✓	✓
UV Lamp Fail Alarm	✓	✓	✓
UV Lamp Hour Counter	✗	✓	✓
UV Lamp Change Pre-Alert	✗	✓	Optional
UV Lamp Change Reminder	✗	✓	Optional
Volt Free Contacts (BMS) for fault indication	✗	✓	Optional
UV Intensity Monitor	✗	✗	Optional
VFCs for Low UV Intensity Alarm	✗	✗	Optional
Fan Cooling with Air Filter	Not Required	Not Required	✓(When Required)
Protection Class	IP21 (IP65 optional)	IP23 (IP65 optional)	Optional IP65 for some models (IP54 for fan cooled versions)

Options: (additional cost)

- ✓ UV intensity monitor & sensor
- ✓ Quartz sleeve wiper
- ✓ Stainless steel enclosure or glass reinforced polyester enclosure
- ✓ Spare set of volt free contacts (BMS)
- ✓ Longer lamp lead
- ✓ Different mains supply
- ✓ 12/24V DC input (for ADV-C50 to ADV-C400)
- ✓ Chamber thermostat with solenoid valve for over-temperature protection
- ✓ Sampling ports
- ✓ Thermal Relief Valve
- ✓ Twin chamber Configuration
- ✓ Z configuration (Water fitting on opposite sides of chamber)



ADV-C Series: Sizing

Peak Flows @98%UVT₁₀ and 250J/m² EOL UV dose. Contact us for application specific sizing based on peak flow rate, UV dose requirement and %UVT₁₀ for your particular application.

Advance ADV-C Series UV System	Peak Flow @250 J/m ² [m ³ /hr]	Elect. Power [W]	UV Reactor Dimensions L x W x H [mm]	Service Space [mm]	Connections
ADV-C-50	0.50	12	350x95x75	300	¾" BSP Male
ADV-C-100	0.75	20	350x95x75	300	¾" BSP Male
ADV-C-200	1.38	30	625x95x75	600	¾" BSP Male
ADV-C-250	4.06	55	652x130x145	600	1" BSP Male
ADV-C-400	3.80	42	1,010x130x145	1000	1" BSP Male
ADV-C-500	6.67	80	1,010x130x145	1000	1.5" BSP Male
ADV-C-700	6.90	90	1,010x130x145	1000	2" BSP Male
ADV-C-1100	9.89	140	1,010x130x145	1000	2" BSP Male
ADV-C-1200	13.34	140	1,325x150x200	1350	2" BSP Male
ADV-C-1500	13.34	190	1,010x130x145	1000	2" BSP Male
ADV-C-1600	20.13	190	1,010x150x200	1000	2" BSP Male
ADV-C-1700	14.03	200	1,325x130x145	1350	2" BSP Male
ADV-C-1800	20.70	200	1,325x150x200	1350	2" BSP Male
ADV-C-1900	19.78	240	1,325x130x145	1350	2" BSP Male
ADV-C-2000	36.92	275	1,325x150x200	1350	2" BSP Male
ADV-C-2100	17	127x2	970x250x145	1000	2" BSP Male
ADV-C-2900	24	172x2	970x250x145	1000	2" BSP Male
ADV-C-3500	25.8	180x2	1,325x150x200	1350	2" BSP Male
ADV-C-3800	36.6	240x2	1,325x250x145	1350	2" BSP Male
ADV-C-4500	51.69	490	1,450x150x200	1500	3" Tab E Flange
ADV-C-5500	71.30	490	1,350x320x260	1500	3" Tab E Flange

Dimensions are approximate and subject to change without notice.

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