

Reliable UV water purification **CWS series**

Drinking water



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

Food and beverage water



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

Water treatment plants



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

Reliable protection from pathogenic micro-organisms

Easy to install, use and maintain



Features

- ✓ High and consistent UV dose
- ✓ High-performance quartz ultraviolet lamps
- ✓ Matched electronic ballasts
- ✓ Fused, high % UV T silica quartz sleeves
- ✓ Easily handles changes to % UVT
- ✓ Vertical or horizontal installation
- ✓ Very compact size
- ✓ Saves skid and piping costs
- ✓ Easy piping
- ✓ Saves space
- ✓ Self-guiding quartz sleeves
- ✓ Easy-to-change UV lamps
- ✓ Choice of power supplies
- ✓ Ex-stock spares
- ✓ Trouble-free, long-life operation
- ✓ System status indicators
- ✓ No leaks at 10kg/cm² (150 PSI) operating pressure
- ✓ SS316L Electro-polished UV chambers
- ✓ Lamp change reminders (on i Series power supplies)
- ✓ Application support available

Standard features

• UV lamp type	• Low pressure, high-performance quartz lamps
• UV lamp configuration	• Single lamp in UV chamber
• Recommended UV lamp life*	• Up to 8,500 hours
• Ballast type	• Matched high frequency electronic ballasts
• Quartz sleeve type	• High %UVT self-guiding quartz sleeves
• Input power	• 230-240V AC, 50-60 Hz
• Installation	• Vertical or horizontal
• UV chamber	• Bottom entry electro-polished SS316L with full penetration automatic welds
• UV sensor port	• Standard on all CWS series systems (UV intensity monitor and sensor not included)

*Under standard operating conditions

Optional features

- UV intensity monitor
- Internal electro-polishing
- Tri-clover fittings for pharmaceutical applications
- TOC reduction lamps
- Removable ends
- Potential-free contacts for remote monitoring

Technical specifications

UV Dose @ 94-95%. T		CWS 1-63	CWS 1-76	CWS 2-63	CWS 2-76	CWS 4-76	CWS 7-76	CWS 10-76	CWS 17-76	
Max. flow [m ³ /hr]	@160J/m ²	2.3	2.5	3.6	4.5	6.2	12	19	25	
	@300J/m²	1	1.3	2	2.5	3.5	6.5	10	13	
	@400J/m ²	0.75	1	1.5	1.9	2.7	4.9	7.5	9.9	
Power rating		22W	22W	32W	32W	42W	85W	125W	165W	
Power supply options	Standard	(Default) 60W x 30D x 110H					N/A			
	Premium	(Optional) 220W x 150D x 320H					(Default) 400W x 210D x 300H			
	i Series (Optional)	i 40 185W x 55D x 75H					i 70 185W x 55D x 75H	N/A		

Installation data

Sukrut UV models	CWS 1-63	CWS 1-76	CWS 2-63	CWS 2-76	CWS 4-76	CWS 7-76	CWS 10-76	CWS 17-76	
Water Inlet/Outlet fittings	¾" BSP Male	1" BSP Male	¾" BSP Male	1" BSP Male	1.5" BSP Male	2" BSP Male	2" BSP Male	2" BSP Male	
Chamber length L [mm]	350	370	625	625	1,010	1,010	1,320	1,320	
Chamber width W [mm]	95	120	95	120	130	130	130	130	
Chamber height H [mm]	75	90	75	90	145	145	145	145	
Service space [mm]	300	300	600	600	950	950	1,265	1,265	
Chamber mounting brackets	N/A				Default				

Power supplies

	 Standard	 Premium	 i Series
System status indicators	Default	Default	Default
Lamp fail alarm	Audio-visual	Audio-visual	Audio-visual
Lamp usage counter	N/A	Lamp run hours counter	Lamp life remaining (days) counter
Lamp change reminder	N/A	N/A	Default

Technical changes reserved



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