

Reliable UV water purification **MCS Series**

Drinking water



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

Reliable protection from pathogenic micro-organisms

Easy to install, use and maintain

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 filtration plant
- Industrial water treatment plants
- Legionella control



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
- ✓ Service from one end
- ✓ 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
- ✓ Application support available

Standard features

• UV lamp type	• Low pressure, high-performance quartz lamps
• UV lamp configuration	• Single / multiple lamp/s 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
• Power supply	• Fan cooled with air filters, as per IP 52
• Lamp run hour counters	• Individual for each lamp
• System status indicators	• Power on and individual lamp status
• Lamp fail alarm	• Audio-visual
• UV chamber installation	• Vertical or horizontal
• UV chamber	• Electro-polished SS316L with full penetration automatic welds
• UV sensor port	• Standard on all MCS series systems (UV intensity monitor and sensor not included)

*Under standard operating conditions

Optional features

- UV intensity monitor
- Internal electro-polishing
- TOC reduction lamps
- Potential-free contacts for remote monitoring
- Over-temperature protection
- PLC integration
- Higher IP rated power supplies

Technical specifications

UV Dose* @ 94- 95% T		MCS-15	MCS-20	MCS-30	MCS-35	MCS-40	MCS-55	MCS-60	MCS-80	MCS-100	MCS-125	MCS-165	MCS-200
Max. flow [m3/hr]	@300J/m ²	11	15	22	30	35	45	52	70	90	100	140	180
	@400J/m ²	8.5	11	17	22	25	35	40	50	70	80	100	145
	@600J/m ²	5.5	7.5	11	15	17.5	22.5	26	35	45	50	70	90
Power rating		125W	170W	260W	330W	260W	340W	375W	495W	655W	755W	1kW	1.25kW
Power supply	Width [mm]	300	300	300	300	300	300	500	500	500	600	600	600
	Height [mm]	400	400	400	400	400	400	500	500	500	800	800	800
	Depth [mm]	210	210	210	210	210	210	210	210	210	250	250	250

*At the end of lamp life, under standard operating conditions

Installation data

Sukrut UV models	MCS-15	MCS-20	MCS-30	MCS-35	MCS-40	MCS-55	MCS-60	MCS-80	MCS-100	MCS-125	MCS-165	MCS-200
Water Inlet/Outlet fittings	2" BSP Male	2" BSP Male	2" BSP Male	3" Tab E Flange	3" Tab E Flange	4" Tab E Flange	4" Tab E Flange	4" Tab E Flange	4" Tab E Flange	4"/6" Tab E Flange	4"/6" Tab E Flange	4"/6" Tab E Flange
Chamber length [mm]	1,010	1,320	1,320	1,710	1,325	1,325	1,325	1,325	1,325	1,325	1,720	1,720
Chamber width [mm]	130	150	150	130	350	350	350	350	350	350	350	350
Chamber height [mm]	130	200	200	135	300	300	300	300	300	300	300	300
Service space [mm]	950	1,200	1,200	1,710	1,325	1,325	1,325	1,325	1,325	1,325	1,725	1,725

Technical changes reserved



Sukrut UV Systems Pvt. Ltd.
Survey 26/6, Narhe Dhayari Road, Narhe, Pune 411 041 India
Contact no: 073048 33990/1/4, 091580 04991,
098508 91700, 098508 81700, 093733 15149
E-mail: info@sukrutuv.com Website: www.sukrutuv.com