

# Vioflow Monoray System

Technical Specification



**ULTRAOUA**  
UV DISINFECTION SYSTEMS

## Product Features

- Reliable UV disinfection for a wide range of industrial and commercial applications
- Tool-free lamp and quartz sleeve changing
- SCADA integration possible
- High-grade electropolished stainless steel AISI 316L chamber internal walls for increased efficiency (up to 30% energy saving)
- Guaranteed 16 000-hour ULTRATHERM™ lamp lifetime – Save up to 22% in operational costs



## Industrial & Commercial

+44 (0)1787 370187  
info@darouv.co.uk  
darouv.co.uk

**Daro**  
UV SYSTEMS

# Vioflow Monoray System

UV SYSTEM	VFMR6-220SS	VFMR8-220SS	VFMR4-350SS	VFMR6-350SS	VFMR8-350SS	VFMR12-350SS	VFMR16-350SS	VFMR18-350SS	VFMR20-350SS	
Approvals	CE (option UL/ cUL)									
<b>UV LAMPS &amp; MONITORING</b>										
Lamp Number	6	8	4	6	8	12	16	18	20	
ULTRATHERM™ LPHO Lamp	220W					350W				
Guaranteed Lamp Lifetime	16,000 hours									
UV Monitoring	UV Intensity sensor ÖNORM M5873 certified SS316L									
Variable Power	Automatic ULTRADOSE™ pacing 50-100%									
<b>UV CHAMBER</b>										
Connection Size	DN200	DN200	DN150	DN200	DN250	DN250		DN300		
Connection Type	EN-1092 type 01A PN10 (option PN16)									
Design Pressure	10 bar (option 16 bar)									
Chamber Material	SS316L/ 1.4404 (option Super Duplex)									
Internal & External Finish	Electropolished inside/out									
Lamp/Wiper Access Single Ended	Yes									
Quartz Type	High purity fused quartz transmittance >95%									
Mounting	Free standing (option horizontal duplex stand)									
ULTRAWIPER™ System	(Option Automatic Mechanical With PTFE/Fiber Rings (Electrical))									
Temperature Probe	PT100									
Vent & Drain Ports	½" Drain port						1" Drain port			
Ingress Protection	IP65									
Installation	Horizontal/Vertical									
Minor Wetted Parts	FDA approved PTFE, PVDF, VITON									
<b>CONTROL CABINET</b>										
Cabinet Material	GFRP (option SS304/SS316)									
Cabinet Sizes ( H x W x D )	800x600x300mm	800x600x300mm	800x600x300mm	800x600x300mm	1000x750x320mm	1000x750x320mm	1000x1000x320mm	1000x1250x320mm	1000x1250x320mm	
Cable Length	4 meters (max. 30 meters)									
Installation & Ambient	Wallmount 0-40 °C non-condensing									
Ingress Protection	IP54 (option IP65/NEMA4X)									
Thermal Control	Fan with filter (option AC/Heat exchanger)									
Control Logic	PLC									
Interface/HMI	7" ULTRATOUCH™									
UV Dose	On HMI, actual UV dose and target UV dose									
SCADA Communication	MODBUS TCP/IP (option PROFINET)									
Analogue 4-20mA I/O	Flow input/UV dose output (option UVT input)									
External Wiring	Remote ON/OFF, Safety ON/OFF, System Status, Alarm									
Event Log	UV Dose, UV Intensity, Flow									
Power Consumption	1.4 kW	1.9 kW	1.5 kW	2.3 kW	3.0 kW	4.5 kW	6.0 kW	6.8 kW	7.5 kW	
Power Supply	230VAC +/- 10% +N+PE 50/60Hz						3x400VAC +/- 10% +N+PE 50/60Hz			

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Unit 9 Ballingdon Hill Ind. Est. Sudbury Suffolk CO10 2DX

Company registered in England and Wales registration 6070435

