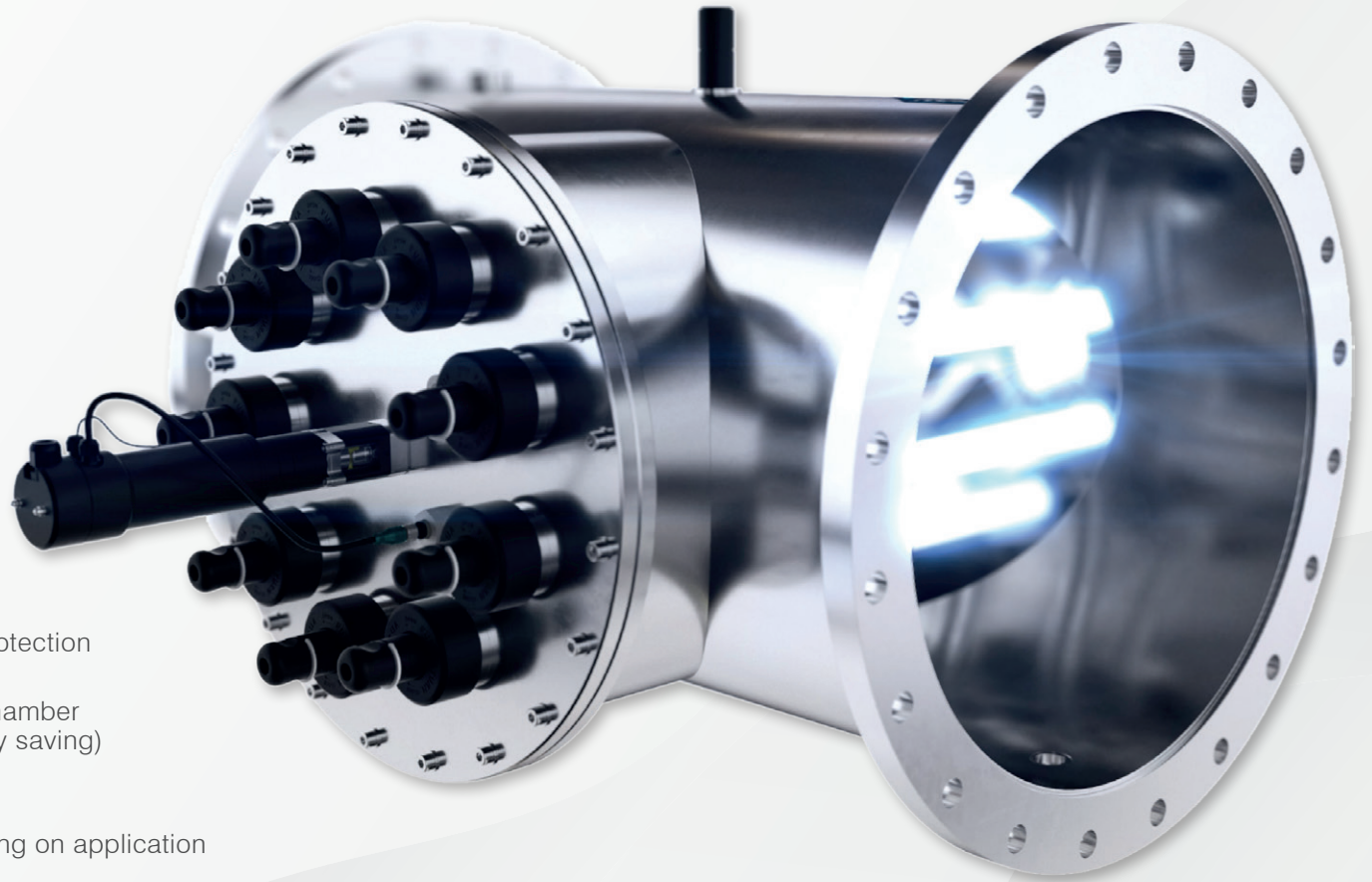


Vioflow Medium-Pressure UV System

Technical Specification



ULTRAOUA
UV DISINFECTION SYSTEMS

Product Features

- Highest flow rate in minimal dimensions
- CFD optimised with maximum hydraulic efficiency and minimum head loss
- Two individual temperature probes offer overheating protection
- Wiper system to maintain consistent treatment levels
- High-grade electropolished stainless steel AISI 316L chamber internal walls for increased efficiency (up to 30% energy saving)
- 9,000-hour lamp lifetime
- Tool-free lamp and quartz sleeve changing
- Control panel available in a range of materials depending on application



Industrial & Commercial

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**Daro**
UV SYSTEMS

Vioflow Medium-Pressure UV System

UV SYSTEM	VF2-4000SS	VF3-4000SS	VF4-4000SS	VF4-6000SS	VF6-6000SS	VF8-6000SS	VF8-8000SS
Approvals	CE (option UL/ Marine DNV)						
UV LAMPS & MONITORING							
Number of Lamps	2	3	4	4	6	8	6
ULTRATHERM™ MPHILamp	4000W	4000W	4000W	6000W	6000W	6000W	8000W
Guaranteed Lamp Lifetime	9 000 hours						
UV Monitoring	UV Intensity sensor ÖNORM M5873 certified SS316L						
Variable Power	ULTRADOSE™ pacing 20-100%						
UV CHAMBER							
Connection Size	DN300	DN300	DN300	DN450	DN450	DN450	DN600
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 SS316 stand)						
ULTRAWIPER™ System	Automatic mechanical with PTFE/fiber rings (electrical)						
Temperature Probe	2x PT100						
Vent & Drain Ports	1" Both sides						
Ingress Protection	IP65						
Connection Size	Horizontal/vertical						
Minor Wetted Parts	FDA approved PTFE, PVDF, VITON						
CONTROL CABINET							
Cabinet Material	GFRP			Powder painted steel (option 316L)			
Cabinet Sizes (H x W x D)	1000x750x320mm	1000x750x320mm	1200x600x500mm	1200x600x500mm	1600x600x500mm	1600x600x500mm	1600x600x500mm
Cable Length	4 meters (max. 30 meters)						
Installation & Ambient	Wallmount 0-40 °C non-condensing			Floor standing 0-40 °C non-condensing			
Thermal Control	Fan (option AC/Heat exchanger)						
Control Logic	PLC Siemens (option, Allen Bradley)						
Interface/HMI	7" ULTRATOUCH™						
SCADA Communication	MODBUS TCP/IP/PROFINET						
Analogue 4-20mA I/O	Flow input/UV dose output (option UVT input)						
Ingress Protection	IP54 (option IP65/NEMA4X)						
Event Log	UV dose, UV intensity, Flow						
Power Consumption	8.2 kW	12.2 kW	16.2 kW	24.2 kW	36.2 kW	48.2 kW	36.2 kW
Power Supply	3x400VAC +/- 10% +N+PE 50/60Hz						

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Vioflow Medium-Pressure UV System

UV SYSTEM	VF8-8000SS	VF9-8000SS	VF6-12000SS	VF8-12000SS	VF10-12000SS	VF12-12000SS
Approvals	CE (option UL/ Marine DNV)					
UV LAMPS & MONITORING						
Number of Lamps	8	9	6	8	10	12
ULTRATHERM™ MPHILamp	8000W		12000W			
Guaranteed Lamp Lifetime	9 000 hours					
UV Monitoring	UV Intensity sensor ÖNORM M5873 certified SS316L					
Variable Power	ULTRADOSE™ pacing 20-100%					
UV CHAMBER						
Connection Size	DN600		DN800 (option DN1200)			
Connection Type	EN-1092 type 01A PN10 (option PN16)		EN-1092 type 01A PN6 (option PN10)			
Design Pressure	10 bar (option 16 bar)		6 bar (option 10 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 SS316 stand)		Integrated stand (optional)			
ULTRAWIPER™ System	Automatic mechanical with PTFE/fiber rings (electrical)					
Temperature Probe	2x PT100					
Vent & Drain Ports	1" Both Sides					
Ingress Protection	IP65					
Connection Size	Horizontal/vertical					
Minor Wetted Parts	FDA approved PTFE, PVDF, VITON					
CONTROL CABINET						
Cabinet Material	Powder painted steel (option 316L)					
Cabinet Sizes (H x W x D)	1800x1000x500mm	1800x1000x500mm	1600x600x500mm	1800x1000x500mm	1800x1000x500mm	1800x1000x500mm
Cable Length	4 meters (max. 30 meters)					
Installation & Ambient	Floor standing 0-40 °C non-condensing					
Thermal Control	Fan (option AC/Heat exchanger)					
Control Logic	PLC Siemens (option, Allen Bradley)					
Interface/HMI	7" ULTRATOUGH™					
SCADA Communication	MODBUS TCP/IP/PROFINET					
Analogue 4-20mA I/O	Flow input/UV dose output (option UVT input)					
Ingress Protection	IP54 (option IP65/NEMA4X)					
Event Log	UV dose, UV intensity, Flow					
Power Consumption	64.2 kW	72.2 kW	72.2 kW	96.2 kW	120.2 kW	144.8 kW
Power Supply	3x400VAC +/- 10% +N+PE 50/60Hz					

Specifications are subject to change without notice. Version: 22.2

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