



better water. pure and simple

Culligan Ultra Violet Disinfections Unit Model - AF3 - 0116

UV Chamber Specification

Treatment capacity	116 m3/hr
Material	StSt 316L / 1.4404
Passivated & electro-polished	Yes
Process connections	DN150 (6") JIS / Triclamp / ANSI / PN16
Degree of protection	IP65 / NEMA 4
Chamber length	1980 mm
Chamber external diameter	204 mm
Weight dry /wet	46 kg / 106.5 kg
Number of lamps	1
Lamp type/power	Amalgam 500W
Expected lamp life	9,000 hours
Temperature sensor	Fitted
UV monitor	Optional
Working fluid temp.	+50C to +400C
Hydrostatically pressure tested	Yes (for 30 minutes)
Suitable for 130°C CIP	Yes

Available Configurations

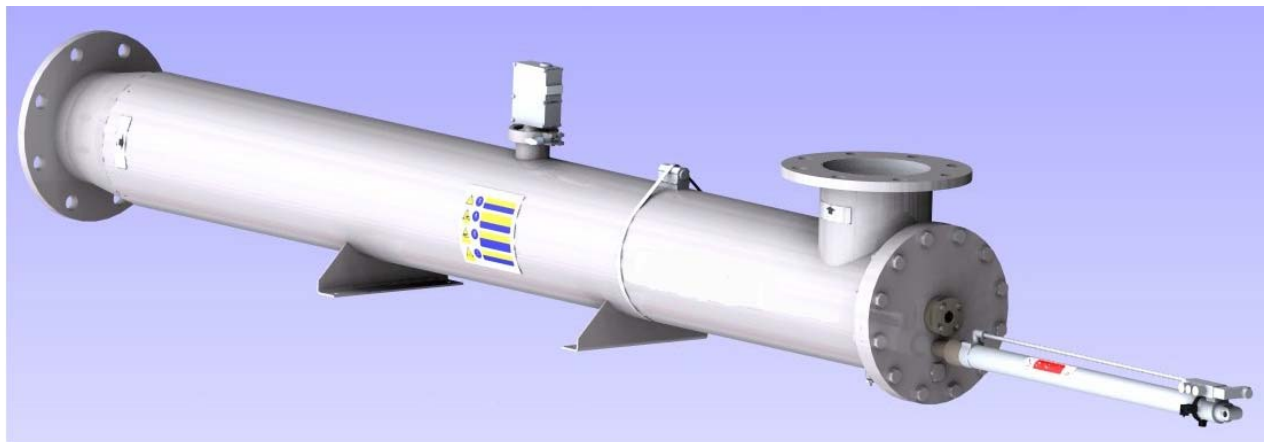
Model	IND	HYG	SF6	SF4	SF4 cGMP
Internal finish µm	1.0	1.0	0.63	0.375	0.375
JIS 10K flange	●	○	○	○	○
Tri clamp connection	○	●	●	●	●
ANSI 150 screw on flange	●	○	○	○	○
PN16 screw on flange	●	○	○	○	○
Removable end cap	●	●	●	●	●
Manual cleaning wiper (incl. removable end cap)	○	○	○	○	○
Automatic cleaning wiper ** (incl. removable end cap)	●	○	○	○	○
Vertical mounting option	○	○	○	○	○
Validation support pack	●	●	●	●	●

● Available ○ Not Available

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Electron Model Specification

Enclosure material	Powder coated steel / stainless steel (304) optional
Environmental protection	IP55 / NEMA 12
Dimensions H x W x D	600 x 400 x 210 mm (excluding brackets and fan covers)
Weight	RC / RCM models: 19 kg
Voltage / Frequency	220 - 240V 50Hz
Cable length cabinet to chamber	5m / 16 feet supplied (maximum permitted)
Total connected power	541W
Safety door interlock	Yes
Operating temperatures	+ 5 °C to + 40 °C



About Culligan

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AF3 - 0116 Electron Models RC / RCM

	RC	RCM
Text status display	●	●
Relative intensity display	○	●
Power on indicator	●	●
VFC output - lamp on	●	●
VFC output - low UV	○	●
Reset button	●	●
Remote start / stop	●	●
4 - 20mA output - UV intensity	○	●

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Culligan Ultra Violet Disinfections Unit Model - AF3 - 0027

UV Chamber Specification

Treatment Capacity	26.5m ³ /hr
Material	StSt 316L / 1.4404
Passivated & Electro Polished	Yes
Process connections	DN50 (2") BSPT / NPT / JIS / Triclamp
Degree of Protection	IP65 / NEMA 4
Chamber Length	1388mm
Chamber external diameter	102 mm
Weight dry / wet	9kg / 17.5kg
Number of lamps	1
Lamp type / power	Amalgam 270w
Expected lamp life	12,000 hours
Temperature Sensor	No
UV Monitor	Optional
Working fluid temp	+5°C to +40°C
Hydrostatically pressure tested	Yes (for 30 minutes)
Suitable for 130°C CIP	Yes

Available Configurations

Model	IND	HYG	SF6	SF4	SF4 cGMP
Internal finish µm	1.0	1.0	0.63	0.375	0.375
BSPT / NPT Connection	●	○	○	○	○
JIS 10K flange	●	○	○	○	○
Tri Clamp connection	○	●	●	●	●
Optional ANSI 150 Screw on flange	●	○	○	○	○
Optional PN16 screw on flange	●	○	○	○	○
Removable end cap	○	○	○	○	●
Manual cleaning wiper (incl. removable end cap)	●	○	○	○	○
Automatic Cleaning Wiper (incl removable end)	●	○	○	○	○
Vertical mounting option	●	●	●	●	●
Validation support pack	●	●	●	●	●

● Available ○ Not Available

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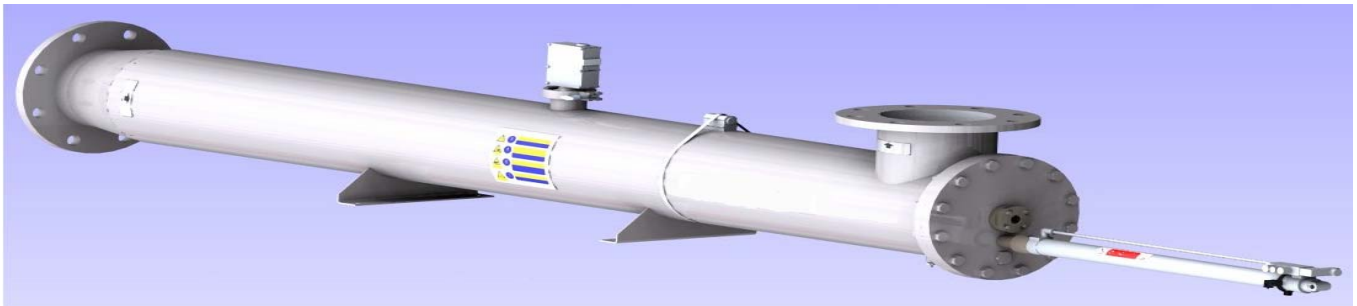
Electron Model Specification

Enclosure material
Environmental protection
Dimensions H x W x D

*Powder coated steel / stainless steel (304) optional
IP65 / NEMA 4
400 x 300 x 155 mm (excluding brackets) for 230V systems [with
no auto wiper]*

Weight
Voltage / Frequency
Cable length cabinet to chamber
Total connected power
Safety door interlock
Operating temperatures

*600 x 400 x 210 mm (excluding brackets) for 115V systems, all
variants [or 230V with auto wiper]
B model: 17 kg., RC / RCM models: 18 kg
220 - 240V or 110 - 120V, 50 / 60Hz (please specify with order)
5m / 16 feet supplied (maximum permitted)
305W
Yes
+ 5 °C to + 40 °C*



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AF3 - 027 Electron Models RC / RCM

Text status display	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Relative intensity display	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Lamp on indicator	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lamp fail indicator	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power on indicator	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
VFC output - lamp on	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
VFC output - low UV	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Reset button	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Remote start / stop	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
4 - 20mA output - UV intensity	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

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Culligan Ultra Violet Disinfections Unit Model - AF3 - 0051

UV Chamber Specification

Treatment capacity *	51 m3/hr
Material	StSt 316L / 1.4404
Passivated & electro-polished	Yes
Process connections	DN80 (3") JIS / Triclamp / ANSI / PN16
Degree of protection	IP65 / NEMA 4
Chamber length	1437 mm
Chamber external diameter	168 mm
Weight dry /wet	25 kg / 50.5 kg
Number of lamps	1
Lamp type/power	Amalgam 270W
Expected lamp life	12,000 hours
Temperature sensor	No
UV monitor	Optional
Working fluid temp.	+5°C to +40°C
Hydrostatically pressure tested	Yes (for 30 minutes)
Suitable for 130°C CIP	Yes

Available Configurations

Model	IND	HYG	SF6	SF4	SF4 cGMP
Internal finish µm	1.0	1.0	0.63	0.375	0.375
JIS 10K flange	●	○	○	○	○
Tri clamp connection	○	●	●	●	●
ANSI 150 flange	●	○	○	○	○
PN16 flange	●	○	○	○	○
Removable end cap	○	○	○	○	●
Manual cleaning wiper (incl. removable end cap)	●	○	○	○	○
Automatic cleaning wiper ** (incl. removable end cap)	●	○	○	○	○
Vertical mounting option	●	●	●	●	●
Validation support pack	●	●	●	●	●

● Available ○ Not Available

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Electron Model Specification

Enclosure material
Environmental protection
Dimensions H x W x D

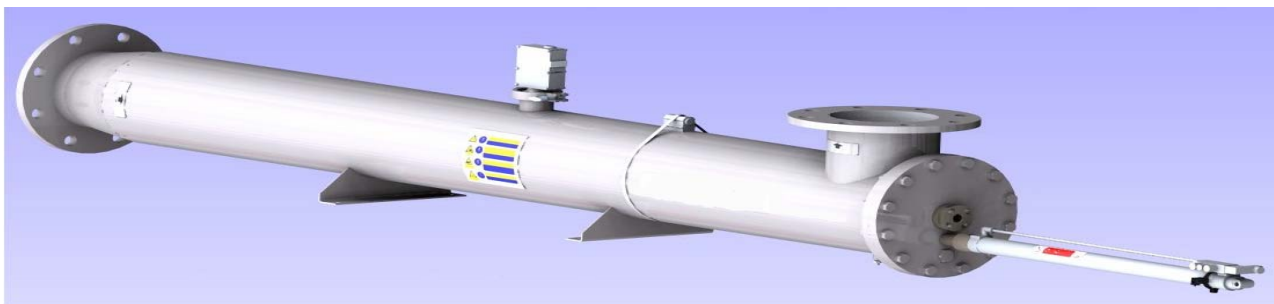
*Powder coated steel / stainless steel (304) optional
IP65 / NEMA 4
400 x 300 x 155 mm (excluding brackets) for 230V systems [with
no auto wiper]*

*600 x 400 x 210 mm (excluding brackets) for 115V systems, all
variants [or 230V with auto wiper]*

Weight
Voltage / Frequency
Cable length cabinet to chamber
Total connected power
Safety door interlock
Operating temperatures

*B model: 17 kg., RC / RCM models: 18 kg
220 - 240V or 110 - 120V, 50 / 60Hz (please specify with order)
5m / 16 feet supplied (maximum permitted)*

*305W
Yes
+ 5 °C to + 40 °C*



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AF3 - 051 Electron Models RC / RCM

Text status display	○	●	●
Relative intensity display	○	○	●
Lamp on indicator	●	○	○
Lamp fail indicator	●	○	○
Power on indicator	○	●	●
VFC output - lamp on	●	●	●
VFC output - low UV	○	○	●
Reset button	○	●	●
Remote start / stop	○	●	●
4 - 20mA output - UV intensity	○	○	●