



# OJI MICRO

WATER DISINFECTION  
BY UVC LED

## CONTENT

### Basic content

LED UVC reactor + 12/24V power supply



### Optional content

- Flowmeter
- Indicator



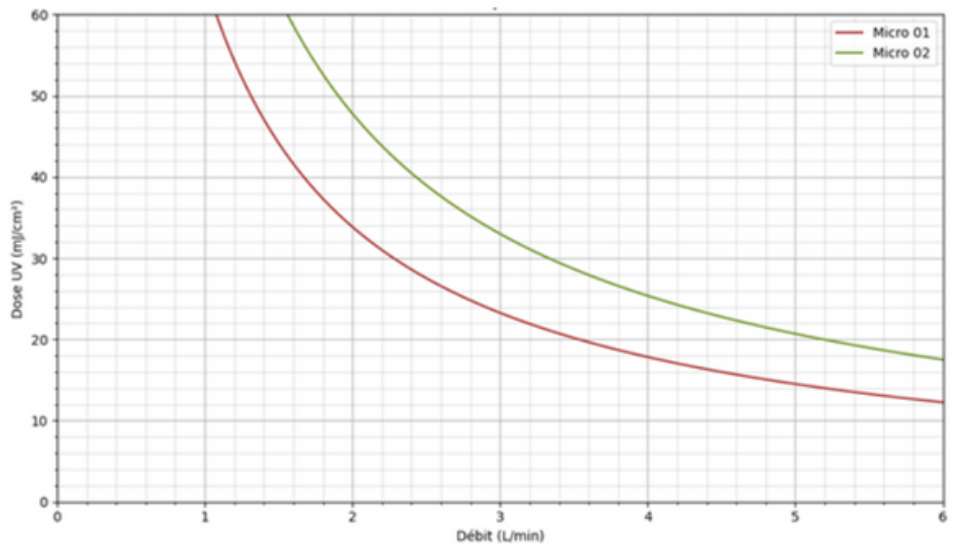
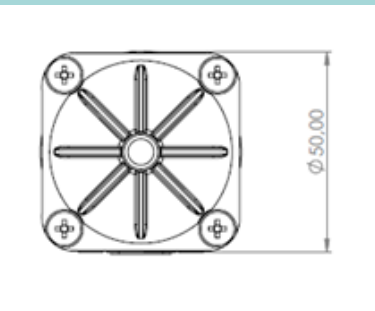
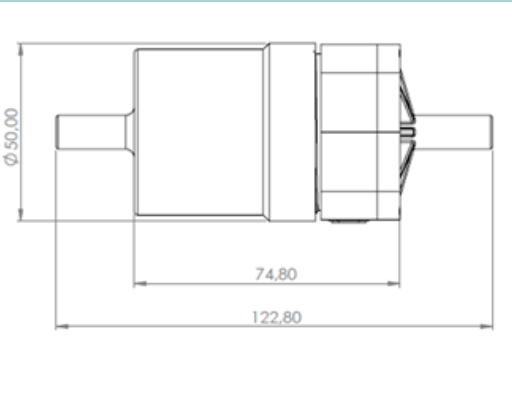
## PRODUCT PERFORMANCES

### UV Doses & Lifetime

	<u>Oji micro 01</u>		<u>Oji micro 02</u>			
	2	3	2	3	4	5
Max Flow rate (L/min) :	2	3	2	3	4	5
UV dose @UVT 98% (mJ/cm <sup>2</sup> )	>33	>23	>48	>33	>26	>20
Minimal lifetime (h)	1 000					
Maximal lifetime (h)	10 000					

## PRODUCT DIMENSIONS

Weight 250 grs (0,036lbs)



UV dose to flow rate at 98% UVT

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### Tests results

Tests carried out by the COFRAC accredited (n°1-1674) BIOFAQ on 08/12/2021 on Bacillus Subtilis (UVT 98%)

Flow rate (L/min) :	<u>Oji micro 01</u>			<u>Oji micro 02</u>		
	2	3	5	2	4	5
Measured abatement (%)						
<i>Pseudomonas</i>	>99,999%	>99,999%	>99,999%	>99,999%	>99,999%	>99,999%
<i>Ecoli</i>	>99,999%	>99,999%	>99,999%	>99,999%	>99,999%	>99,999%
<i>Cryptosporidium</i>	>99,999%	>99,999%	>99,950%	>99,999%	>99,999%	>99,992%



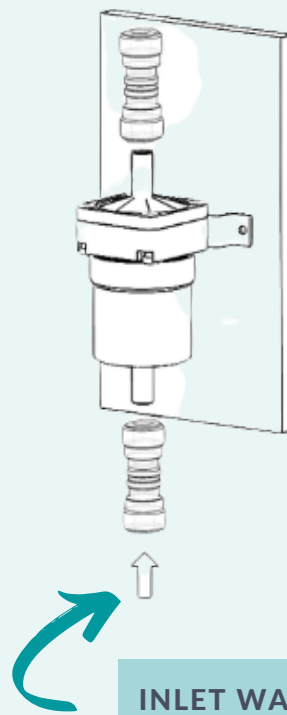
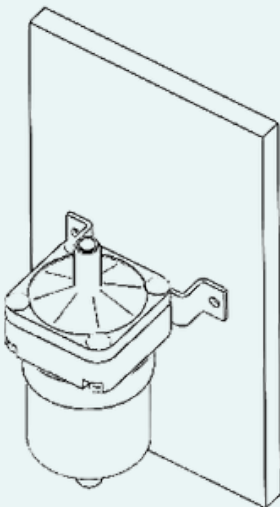
### HYDRAULIC SECTION

#### General features

	<u>Min</u>	<u>Max</u>
Air Temperature (C°)	0*	55
Water Temperature (C°)	0	45
Water Pressure (bar)	0**	6

\*Frost free // \*\*Product in charge

### Hydraulic connection



- Vertical connection and fixing with the supplied bracket (4.5mm screw)
- Basic connection with 3/8" quick coupling.

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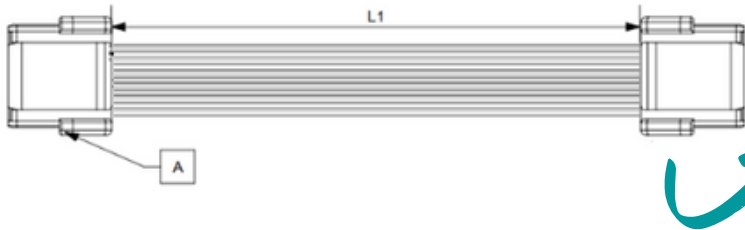
### ELECTRICAL SECTION

#### Electricals features

	<u>Oji micro 01</u>		<u>Oji micro 02</u>	
Voltage (V)	12	24	12	24
Intensity (A)	1,2	0,6	2,1	0,7
Electrical Power(W)	15	15	25	17

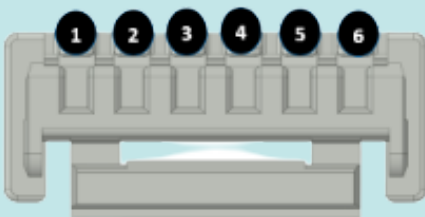


#### Cable specification and electrical connection

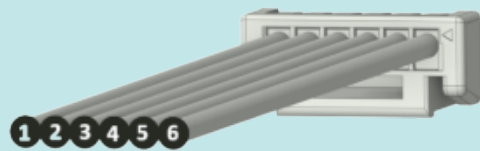


L1	150 mm (other length on demand)	
A	Micro-Lock Pus référence 5055650601	
Conductor	Section	26AWG

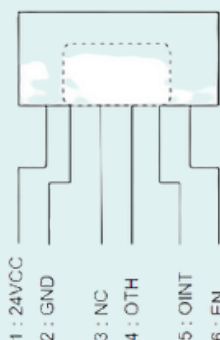
#### Connection on connector



#### Cable connection



#### Wiring diagram



1	VCC = 24V
2	GND = 0V
3	NC
4	OTH = Thermal Signal
5	OINT = Intensity Signal
6	EN = Working Order

#### Electrical connection

Possible with switch or in parallel with pump

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	2	3	5	2	4	5
UV dose @UVT (mJ/cm <sup>2</sup> )	43,55	39,98	16,28	63,39	31,37	23,31
Measured abatement (log)	2,14	1,89	0,34	3,53	1,3	0,76



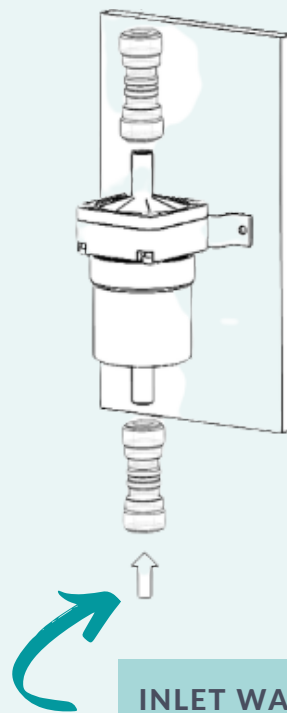
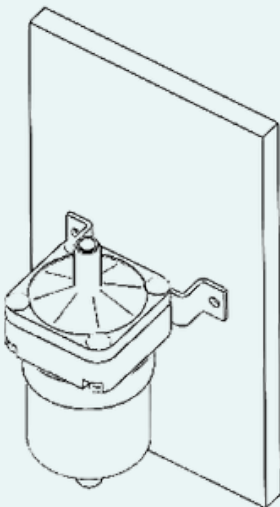
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