



UVC LED original from AsahiKASEI(Japan)



Disinfection by
KLARAN



UVDF Disinfection Faucet Series

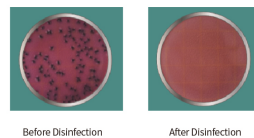
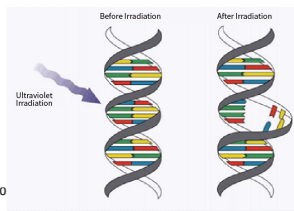
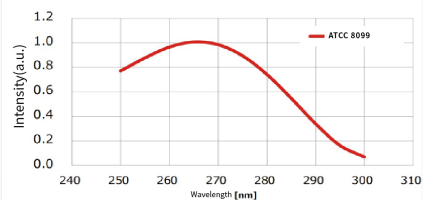


UVDF disinfection faucet series are UVC LED-based water disinfection products that deliver reliable drinking water for consumer and commercial products. These products offer mercury free, environmental friendly disinfection that does not alter the taste or smell of drinking water.

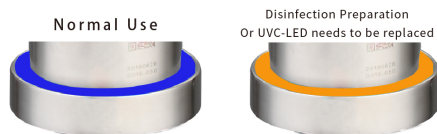
The application of the crowd: pregnant women, infants, the elderly, the infirm, and people who have high requirements on drinking water safety.

UVC Disinfection Principle

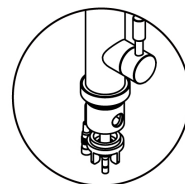
The ultraviolet output at the center of 265nm is the most effective wavelength for disinfection.



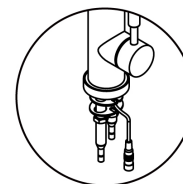
Ring Lamp Color Features



1. Ring lamp in blue color: Everything is normal for use.
2. Ring lamp in orange color for 3 seconds when turn on after 4 hours' unused, you should wait for blue color to normal use.
3. Ring Lamp in orange color: UVC-LED needs to be replaced
4. Ring Lamp in orange color flashing: Poor contact connection, please contact the technical support or local distributors.
5. Ring Lamp in orange color slowly flashing: Working without water. Please turn off and check the water supply source immediately.



One Way Inlet



Two Way Inlet

	UV50	UV60	UV100	UV150	Remark
One Way Disinfection Faucet	DF3185C-UV50	DF3185C-UV60	DF3185C-UV100	DF3185C-UV150	C= Copper Valve Core S= Stainless Steel Valve Core
	DF3185S-UV50	DF3185S-UV60	DF3185S-UV100	DF3185S-UV150	
Two Way Disinfection Faucet	DF3185P2-UV50	DF3185P2-UV60	DF3185P2-UV100	DF3185P2-UV150	

For two way inlet, take RO water purifier for example, the long pipe should connect to the filtered water, and the short pipe should connect to the RO pure water.

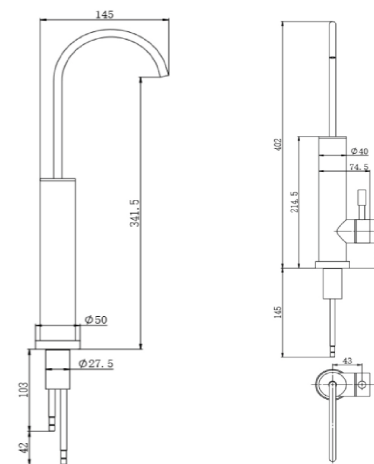
Technical Parameters

Product Name	DF3185
Model	DF3185X-UVXXX
Size	547mm×145mm×50mm
Weight	1.2kg
Flow Rate	≤2L/min
Power	4W(Single LED) 8W(Double LED)
Input Voltage	16VDC
Electric Current	400mA
Input Water Temperature	5-45°C
Operation Temperature	5-45°C
Storage Temperature	-10-80°C
Disinfection Rate (refer to Escherichia coli)	>99.99%

Electrical Specification

	Units	Low Limit	Standard	Upper Limit
Input Voltage	V	16	16.4	16.8
Work Consumption	W	6.5	7.5	8
Stand-by Consumption	mW	2	3	4

Product Specification



General Drinking Water Requirements

PH	6 - 8.5
UV Transmittance	98±2%
Turbidity	<1.0NTU
Temperature	5-45°C
Total Dissolved Solid	200—500mg/L

Main Features

Main Features	Specification
Environmental Care	UVC LED Disinfection, non-pollution, no residue, and low electrical power(less than 6W)
Instant Startup	Start working immediately in 0.001 second, realizing over-current disinfection.
High Disinfection Rate	Under the 2L/min water flow rate, the Bactericidal Coefficient of Escherichia coli and Total Disinfection Rate is over 99.99%.
Long Work Life	The single LED work life is over 1500 hours. According to 20 minutes of daily use time, it can work for more than 10 years.
High Compatibility	Wide voltage power supply design, which is applicable to different voltages in different countries and regions.

Test Report

According to the test report from Japan Kitasato University, SGS Taiwan branch and SGS Ningbo branch, the Disinfection Rate is over 99.99%.

TEST REPORT



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