

# SYSTEM

The **SYSTEM** line is a single or multiple lamped closed reactor series. The most important distinction feature that makes SYSTEM line a “unique” product in the market is the available section for flowing fluid within the reactor, so called “thin-film”, on which the ultraviolet rays acts.

Such constructive characteristic, together with a series of inside deflectors welded on the internal reactor surface to drive the flow and force all the liquid molecules to pass several times through the thick maze of lamps, allows to treat all liquids with very low UV-C transmittance.



## Main Applications

AOP - Food And Beverage - Industry



### Model SYSTEM Line

<b>Flow Rate (m<sup>3</sup>/h)</b>	5 ÷ 2.500
<b>Lamp Type</b>	LPHO
<b>Number of Lamps</b>	2 ÷ 42
<b>Lamp Guaranteed Life</b>	9.000 working hours*
<b>Reactor Material</b>	AISI 304 – AISI 316L – DUPLEX – PP – PEAD
<b>Hydraulic connections</b>	DN50 – DN500
<b>Standard Operating Pressure</b>	Up to 8 bar
<b>PLC Input/Output for remote connection</b>	Available
<b>Supply Voltage</b>	230V ÷ 400V (3f+N+T) / 50 - 60Hz
<b>Cleaning System</b>	Manual / Automatic
<b>UV Sensor</b>	Available
<b>UV-Dose</b>	Available. A control system to modulate the power according to the flow rate.

\* No formula Pro-rata



Flow Rate treatment: 50 mc/h each