

HDPE Series

UV Sterilizers corrosive water

- > High Density Polyethylene reactor "C" shape / "U" shape
- > Vertical / horizontal mounting brackets included
- > Maximum 40 mJ/cm² flow rate: 600,0 m³/hr - 2642,00 GPM
- > Vapour mercury or amalgam lamps

CORROSIVE and **CHEMICALLY AGGRESSIVE** waters are present in many industrial processes and in the water purification systems on ships or in sea pools.

It is therefore essential to use corrosion-free appliances, such as high-density polyethylene, which does not deteriorate with UV rays.

In the **AQUACULTURE** industry, due to the presence of brackish water, the use of polyethylene sterilizers is necessary to ensure a long-lasting debacterization without the deterioration of the equipment used, and at the same time in **AGRICULTURE** application with water contaminated by disebants, plastic vessel are widely used.

MINI and INDUSTRIAL Series

Max 40 mJ/cm² flow rate: 55,0 m³/hr - 242,20 GPM

6 bar (87 psi) Max working pressure

UV-C vapour lamp (9000 hours) or amalgam lamp (12000 hours)

High quality quartz sleeves

High efficiency electronic ballasts (SATEPA design)

"D3" smart LCD electronic panel **UV³** or **LCD** cabinet with smart functions



AMALGAM Series

Max 40 mJ/cm² flow rate: 600,0 m³/hr - 2642,00 GPM

6 bar (87 psi) Max working pressure

UV-C amalgam lamp (12000 / 14000 hours)

High quality quartz sleeves

High efficiency electronic ballasts (SATEPA design)

Smart **LCD** cabinet or **EBM A01** panel with advance functions



OPTION

I/O connection flanged or threaded male

Standard UV Irradiation and Temperature sensor

Ö_Norm / DVGW certified UV sensor

Cleaning system

MINI - INDUSTRIAL

Code	m ³ /hr	GPM	I/O
HE 65D3	5,0	22,00	1½"
HE 80D3	9,0	40,00	1½"
HE 120D	14,0	61,64	2"/DN50
HE 160D	20,0	79,25	2"/DN50
HE AM35D	28,0	123,30	2½"/DN60
HE AM45D	37,0	162,90	3"/DN80
HE AM70D	55,0	242,10	4"/DN100

Flow rate @ 40 mJ/cm²



AMALGAM VERTICAL

Code	m ³ /hr	GPM	I/O
HE AM25	25,0	110,0	DN50
HE AM60	60,0	264,0	DN80
HE AM90	90,0	396,0	DN100
HE AM125	125,0	550,0	DN150

Flow rate @ 40 mJ/cm²

AMALGAM HORIZONTAL

Code	m ³ /hr	GPM	I/O
HE HM100	100,0	440,0	DN100
HE HM250	250,0	1100,0	DN200
HE HM400	400,0	1761,0	DN250
HE HM600	600,0	2642,0	DN250

Flow rate @ 40 mJ/cm²