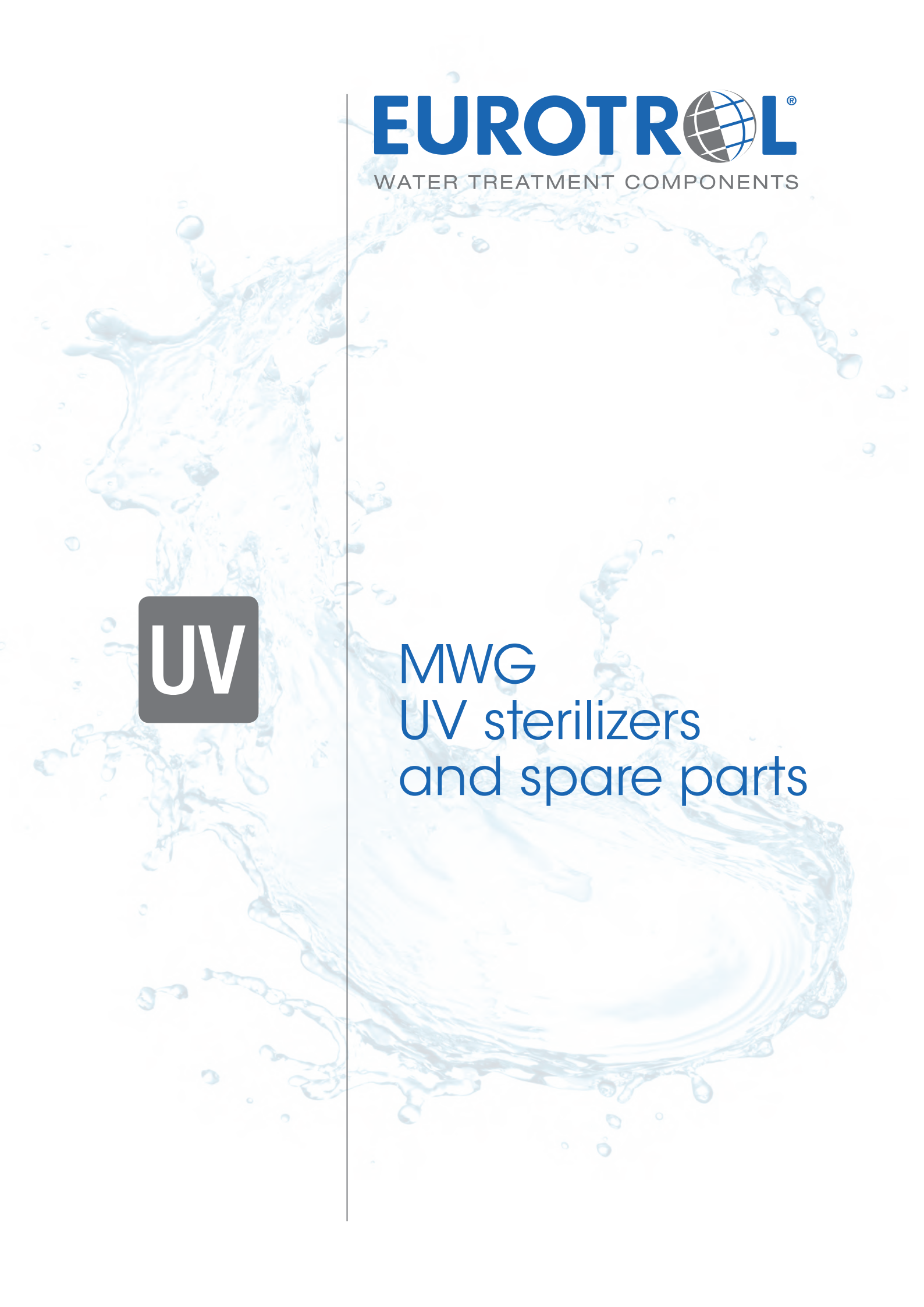


A large, dynamic splash of water in shades of light blue and white, creating a sense of movement and freshness. The splash is centered and fills most of the frame.

EUROTROL®
WATER TREATMENT COMPONENTS



MWG
UV sterilizers
and spare parts

Residential U.V. Sterilizers Inox



- Monolamp U.V. sterilizer of close construction in AISI 304 polished material for point-of-use treatment devices;
- Complete with n.2 diameter 2" fixing clips and with n.2 JACO ¼" elbows;
- Power box with electronic circuit, cable and plug;
- Failure led and alarm system;
- Lamp quartz sheath;
- Max operating pressure 7 bar;
- Temperature 2 ÷ 40°C;
- Power supply 230 V - 50 Hz;
- Irradiation > 30 mJ/cm2;
- Lamp life 8.000 hours;
- Protection class IP42;
- Horizontal installation (only HA300 can be installed in vertical position).

Ref	Description	Fam.	Subfam.		
HA300	UV STERILIZER HR-60 220V-50HZ 1/4" BSP M	55	250		
HA302	UV STERILIZER PC-1 10WATT 220V-50HZ -1/4" BSP M	55	250		

Ref	Max flow (l/h)	Power (W)	Connections	Diameter (mm)	Length (mm)
HA300	240	10	¼" BSP M	50,8	260
HA302	240	10	¼" BSP M	50,8	268

Box: WxLxH	Box: Q.ty	Box: Weight	Pallet: WxLxH	Pallet: Q.ty	Pallet: Weight

Certificates	Manufacturer	Sectors
DM174-2004, ACS, CE	MWG	Domestic

Residential U.V. Sterilizers W Series



- To be used for residential water disinfection systems;
- Monolamp U.V. sterilizer of close construction in AISI 304 polished material;
- Power box with electronic circuit, cable and plug;
- Failure led and alarm system;
- Lamp quartz sheath;
- Max operating pressure 7 bar;
- Temperature 2 ÷ 40°C;
- Power supply 230 V - 50 Hz;
- Irradiation > 30 mJ/cm2;
- Lamp life 10.000 hours;
- Protection class IP42;
- Horizontal installation.

Ref	Description	Fam.	Subfam.		
HA310	UV STERILIZER W-180 220V-50HZ 15W - 1/2" BSP M	55	250		
HA315	UV STERILIZER W-360 220V-50HZ 21W-1/2" BSP M	55	250		
HA320	UV STERILIZER W-480 220V-50HZ 29W-1/2" BSP M	55	250		
HA325	UV STERILIZER W-720 220V-50HZ 40W - 3/4" BSP M	55	250		

Ref	Max flow (l/h)	N. Lamps	Power (W)	Diameter (mm)	Length (mm)
HA310	680	1	15	63,5	364
HA315	1360	1	21	63,5	544
HA320	1810	1	29	63,5	694
HA325	2720	1	40	63,5	924

Ref	Box: WxLxH.	Box: Q.ty	Box: Weight.	Pallet: WxLxH.	Pallet: Q.ty	Pallet: Weight.
HA310						
HA315						
HA320						
HA325						

Certificates	Manufacturer	Sectors
DM174-2004, ACS, CE	MWG	Domestic

Industrial U.V. Sterilizers FC Series



- To be used for commercial and industrial water disinfection systems;
- Monolamp U.V. sterilizer with polished AISI 304 sterilizing chamber (option in AISI 316L not available in stock) with inspection window and drain connection;
- Electric box with electronic circuit, connection cable, operating time meter and switch;
- Operating and failure led, with alarm system (excepted models FC-35 and FC-45);
- Lamp quartz sheath;
- Max operating pressure 7 bar, temperature $2 \div 40^{\circ}\text{C}$;
- Power supply 230 V - 50 Hz, irradiation $> 40 \text{ mJ/cm}^2$, lamp life 10.000 hours;
- Protection class IP43;
- Possibility of connection with shut down solenoid valve (only for models FC-35 and FC-45);
- Horizontal installation.

Ref	Description				Fam.	Subfam.		
HA350	UV STERILIZER FC-8 220V-50HZ 29W - 3/4" BSP M				55	251		
HA350A	UV STERILIZER FC-8 220V-50HZ 29W-3/4" BSP M 316L				55	251		
HA355	UV STERILIZER FC-12 220V-50HZ 40W - 1" BSP M				55	251		
HA355A	UV STERILIZER FC-12 220V-50HZ 40W - 1" BSP M 316L				55	251		
HA360	UV STERILIZER FC-15 220V-50HZ 65W - 1" BSP M				55	251		
HA360A	UV STERILIZER FC-15 220V-50HZ 65W - 1" BSP M 316L				55	251		
HA365	UV STERILIZER FC-20 220V-50HZ 65W-1 1/2" BSP M				55	251		
HA365A	UV STERILIZER FC-20 220V-50HZ 65W-1 1/2" BSP M 316L				55	251		
HA370	UV STERILIZER FC-24 220V-50HZ 85W - 1 1/2" BSP M				55	251		
HA370A	UV STERILIZER FC-24 220V-50HZ 85W - 1 1/2" BSP M 316L				55	251		
HA375	UV STERILIZER FC-35 220V-50HZ 100W-2" BSP M				55	251		
HA375A	UV STERILIZER FC-35 220V-50HZ 100W - 2" BSP M 316L				55	251		
HA380	UV STERILIZER FC-45 220V-50HZ 120W - 2" BSP M				55	251		
HA380A	UV STERILIZER FC-45 220V-50HZ 120W-2" BSP M AISI316L				55	251		
Ref	AISI	Max Flow (l/h)	Power (W)	Connections	Diameter (mm)		Length (mm)	
HA350	304	1.810	29	3/4" BSP M	114		710	
HA350A	316L	1.810	29	3/4" BSP M	114		710	
HA355	304	2.720	40	1" BSP M	133		940	
HA355A	316L	2.720	40	1" BSP M	133		940	
HA360	304	3.400	65	1" BSP M	133		940	
HA360A	316L	3.400	65	1" BSP M	133		940	
HA365	304	4.536	65	1" 1/2 BSP M	160		940	
HA365A	316L	4.536	65	1" 1/2 BSP M	160		940	
HA370	304	5.443	85	1" 1/2 BSP M	160		940	
HA370A	316L	5.443	85	1" 1/2 BSP M	160		940	
HA375	304	7.938	100	2" BSP M	160		1.235	
HA375A	316L	7.938	100	2" BSP M	160		1.235	
HA380	304	10.200	120	2" BSP M	160		1.235	
HA380A	316L	10.200	120	2" BSP M	160		1.235	

Certificates	Manufacturer	Sectors
DM174-2004 CE	MWG	Commercial, Industrial



Industrial Flanged Multilamp U.V. Sterilizers FC-D Series

- To be used for industrial water disinfection systems;
- Multilamp U.V. sterilizer with polished AISI 304 sterilizing chamber (option in AISI 316L not available in stock) with inspection window and drain connection;
- Electric box with electronic circuit, connection cable, operating time meter and switch;
- Operating and service/failure led;
- Lamp quartz sheath;
- Max operating pressure 7 bar;
- Temperature 2 ÷ 40°C;
- Power supply 230 V - 50 Hz;
- Irradiation > 40 mJ/cm2;
- Lamp life 10.000 hours;
- Protection class IP43;
- Possibility of connection with;
- Shut down solenoid valve;
- Horizontal installation.

Ref	Description	Fam.	Subfam.		
HA400	UV STERILIZER FC-70D 220V-50HZ 2x100W - DN50	55	252		
HA400A	UV STERILIZER FC-70D 220V-50HZ 2x100W - DN50 316L	55	252		
HA410	UV STERILIZER FC-120D 220V-50HZ 3x120W - DN65	55	252		
HA410A	UV STERILIZER FC-120D 220V-50HZ 3x120W - DN65 316	55	252		
HA420	UV STERILIZER FC-180D 220V-50HZ 5x120W - DN80	55	252		
HA420A	UV STERILIZER FC-180D 220V-50HZ 5x120W-DN80 316L	55	252		
HA430	UV STERILIZER FC-250D 220V-50HZ 7x120W - DN100	55	252		
HA430A	UV STERILIZER FC-250D 220V-50HZ 7x120W - DN100 316L	55	252		

Ref	AISI	Max flow (l/h)	N. Lamps	Power (w)	Connect.	Diameter (mm)	Lenght (mm)
HA400	304	15.900	2	200	DN50 Flanged	220	1.250
HA400A	316L	15.900	2	200	DN50 Flanged	220	1.250
HA410	304	27.250	3	360	DN65 Flanged	273	1.250
HA410A	316L	27.250	3	360	DN65 Flanged	273	1.250
HA420	304	40.880	5	600	DN80 Flanged	323	1.250
HA420A	316L	40.880	5	600	DN80 Flanged	323	1.250
HA430	304	56.780	7	840	DN100 Flanged	400	1.250
HA430A	316L	56.780	7	840	DN100 Flanged	400	1.250

Ref	Box: WxLxH.	Box: Q.ty	Box: Weight.	Pallet: WxLxH.	Pallet: Q.ty	Pallet: Weight.
HA400						
HA400A						
HA410						
HA410A						
HA420						
HA420A						
HA430						
HA430A						

Certificates	Manufacturer	Sectors
DM174-2004 CE	MWG	Industrial

U.V. Sterilizers HR - PC - W - FC - FC/D Spare Parts



Ref	Description	Fam.	Subfam.		
HA500	UV LAMP - T5L10W D=18 L=219 MM	55	255		
HA502	UV LAMP - T5L15W D=18 L=310 MM	55	255		
HA504	UV LAMP - T5L21W D=18 L=444 MM	55	255		
HA506	UV LAMP - T5L29W D=18 L=630 MM	55	255		
HA508	UV LAMP - T5L40W D=18 L=850 MM	55	255		
HA510	UV LAMP - T5L65W D=18 L=850 MM	55	255		
HA512	UV LAMP - T5L85W D=23 L=850 MM	55	255		
HA514	UV LAMP - T6L100W D=23 L=1160 MM	55	255		
HA516	UV LAMP - T6L120W D=18 L=1150 MM	55	255		
HA530	QUARZ FOR UV LAMP - T5L10W D.24,5 X L. 250 MM ONEOPEN END	55	255		
HA531	QUARZ FOR UV LAMP - T5L10W D.24,5 X L. 250 MM	55	255		
HA532	QUARZ FOR UV LAMP - T5L15W D.24,5 X L.350 MM	55	255		
HA534	QUARZ FOR UV LAMP - T5L21W D.24,5 X L.530 MM	55	255		
HA536	QUARZ FOR UV LAMP - T5L29W D.24,5 X L.680 MM	55	255		
HA538	QUARZ FOR UV LAMP - T5L40-65W D.24,5 X L.910 MM	55	255		
HA540	QUARZ FOR UV LAMP - T5L85W D.30,0 X L.910 MM	55	255		
HA542	QUARZ FOR UV LAMP - T6L100-120W D.30,0 X L.1205 M	55	255		
HA550	SILICONE O-RING FOR QUARTZ SHEATH D.24,5 MM	55	255		
HA550A	VITON O-RING FOR QUARTZ SHEATH D. 24,5 MM	55	255		
HA552A	VITON O-RING FOR QUARTZ SHEATH D. 30,0 MM	55	255		
HA560	ELECTRONIC BALLAST UVC-1021,230V 50-60HZ FOR LAMP10-21W	55	255		
HA562	ELECTRONIC BALLAST UVC-2040,230V 50-60HZ FOR LAMP29- 40W	55	255		
HA563	ELECTRONIC BALLAST UVC-2040,230V 50-60HZ INSIDE Q.E. FOR LAMP 29-40W	55	255		
HA564	ELECTRONIC BALLAST UVC-6585,230V 50-60HZ INSIDE Q.E. FOR LAMP 65-80W	55	255		
HA566	ELECTRONIC BALLAST UV12 100-240 V/50HZ 90-155W SINGLE-LAMP	55	255		
HA570	COMPLETE CONTROL BOX FC-8-12	55	255		
HA572	COMPLETE CONTROL BOX FC-15-20-24	55	255		
HA574	COMPLETE CONTROL BOX FC-35/45	55	255		
HA576	COMPLETE CONTROL BOX FC-70D	55	255		
HA577	COMPLETE CONTROL BOX FC-120D	55	255		
HA578	COMPLETE CONTROL BOX FC-180D	55	255		
HA579	COMPLETE CONTROL BOX FC-250D	55	255		
HA588	QUADRI PIN CABLE FOR UV LAMP FC AND FC-D SERIES	55	255		
HA553	CLIP D.50 MM FOR HA300	55	255		
HA590	PLASTIC END CAP FOR FIXING SHEATH FITTING D.30	55	255		
HA556	ELBOW FITTING PP 1/4" FNTP X 1/4" TUBE	55	255		
HA557	FIXING SHEATH FITTING D.24,5 MM AISI 304	55	255		
HA558	FIXING SHEATH FITTING D.30 MM AISI 304	55	255		
HA559	END CONNECTION NUT FOR W TYPE UV INCLUDED BLACK PLASTIC CAP	55	255		

U.V. Sterilizers HR - PC - W - FC - FC/D Spare Parts

Ref	Sterilizers UV
HA500	HR-60 PC-1
HA502	W-180
HA504	W-360
HA506	W-480 FC-8
HA508	W-720 FC-12
HA510	FC-15 FC-20
HA512	FC-24
HA514	FC-35 2x FC-70D
HA516	FC-45 3x FC-120D 5x FC-180D 7x FC-250D
HA530	HR-60
HA531	PC-1
HA532	W-180
HA534	W-360
HA536	W-480 FC-8
HA538	W-720 FC-12 FC-15
HA540	FC-20 FC-24
HA542	FC-35 FC-45 2x FC-70D 3x FC-120D 5x FC-180D 7x FC-250D
HA550	HR-60 PC-1 W-180 W-360 W-480 W-720
HA550A	FC-8 FC-12 FC-15
HA552A	FC-20 FC-24 FC-35 FC-45 FC-70D FC-120D FC-180D FC-250D
HA560	HR-60 PC-1 W-180 W-360
HA562	W-480 W-720
HA563	FC-8 FC-12
HA564	FC-15 FC-20 FC-24
HA566	FC-35 FC-45 FC-70D FC-120D FC-180D FC-250D
HA570	FC-8 FC-12
HA572	FC-15 FC-20 FC-24
HA574	FC-35 FC-45
HA576	FC-70D
HA577	FC-120D
HA578	FC-180D
HA579	FC-250D
HA588	FC-8 FC-12 FC-15 FC-20 FC-24 FC-35 FC-45 FC-70D FC-120D FC-180D FC-250D
HA553	HR-60 PC-1
HA590	W-180 W-360 W-480 W-720 FC-8 FC-12 FC-15 FC-20 FC-24 FC-35 FC-45 FC-70D FC-120D FC-180D FC-250D
HA556	HR-60 PC-1
HA557	W-180 W-360 W-480 W-720 FC-8 FC-12 FC-15
HA558	FC-20 FC-24 FC-35 FC-45 FC-70D FC-120D FC-180D FC-250D
HA559	W-180 W-360 W-480 W-720

Old U.V. Sterilizers Spare Parts

Ref	Description	Fam.	Subfam.		
HA051	UV LAMP 12 WATT	55	255		
HA052	UV LAMP 16 WATT	55	255		
HA053	UV LAMP 30 WATT	55	255		
HA054	UV LAMP 40 WATT	55	255		
HA056	UV LAMP 80 WATT	55	255		
HA060	QUARZ FOR UV LAMP 10 WATT	55	255		
HA061	QUARZ FOR UV LAMP 12 WATT	55	255		
HA062	QUARZ FOR UV LAMP 16 WATT	55	255		
HA063	QUARZ FOR UV LAMP 30 WATT	55	255		
HA064	QUARZ FOR UV LAMP 40 W E 80 W	55	255		
HA074	O-RING FOR QUARTZ FOR UV LAMP 40-80 WATT	55	255		
HA069	BALLAST 220V/50HZ DEBATT. UV-6W	55	255		
HA070	UV 12 - UV 16 STERILIZER TRANSFORMER	55	255		
HA073	POWER ELECTRICAL BOARD FOR UV 30 - 40 - 240 - 340	55	255		
HA073A	POWER ELECTRICAL BOARD FOR UV 440-540	55	255		

Industrial U.V. Sterilizers in HDPE

- Made in European Union (Italy);
- To be used for industrial water disinfection systems;
- With reactor in HDPE (suitable for sea water applications), available on demand with sensor;
- Electric box with electronic circuit, connection cable, operating time meter and switch;
- Operating and failure led;
- With lamp quartz sheath;
- Available on request with UL certificate (for USA and Canada);
- Conform with Norwegian Restrictive Quality Certification for drinking water in Norway;
- Conform with a Norwegian certification of National Veterinary Institute, which gives the leading rules applied world wide in the sector of the fish farm;
- Max operating pressure 6 bar (4 bar for HA830 and HA832);
- UVC transmittance 99% - 1cm, UVC dose 400 J/m² ;
- Power supply 230 V - 50/60 Hz; Reactor protection class IP65;
- Control panel protection class IP54 (IP55 for models less than 15 m³/h);
- Possibility of connection with shut down solenoid valve;
- Temperature: 5 ÷ 35°C;
- ↑ From bottom to top. ↔ Both directions.

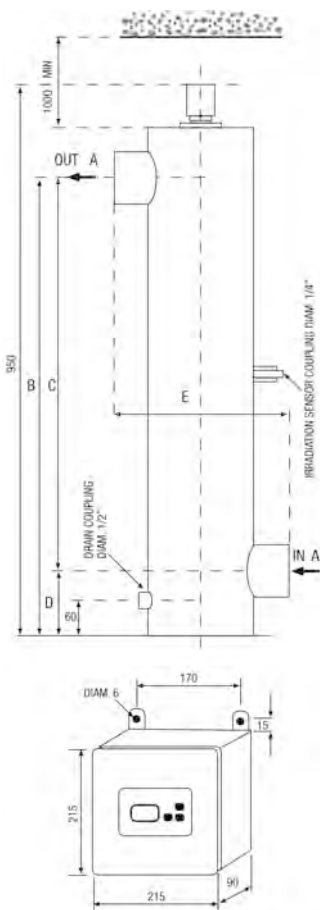
Ref	Description	Fam.	Subfam.		
HA800N	UV STERILIZER UV IN HDPE 3 M3/H	55	254		
HA800	UV STERILIZER IN HDPE 3 M3/H WITH DOSING SENSOR	55	254		
HA802N	UV STERILIZER IN HDPE 5 M3/H	55	254		
HA802	UV STERILIZER IN HDPE 5 M3/H WITH SENSOR	55	254		
HA804N	UV STERILIZER IN HDPE 8 M3/H	55	254		
HA804	UV STERILIZER IN HDPE 8 M3/H WITH SENSOR	55	254		
HA806N	UV STERILIZER IN HDPE 15 M3/H	55	254		
HA806	UV STERILIZER IN HDPE 15 M3/H WITH SENSOR	55	254		
HA808	UV STERILIZER IN HDPE 22 M3/H WITH SENSOR	55	254		
HA810	UV STERILIZER IN HDPE 35 M3/H WITH SENSOR	55	254		
HA812	UV STERILIZER IN HDPE 45 M3/H WITH SENSOR	55	254		
HA814	UV STERILIZER IN HDPE 61 M3/H WITH SENSOR	55	254		
HA816	UV STERILIZER IN HDPE 90 M3/H WITH SENSOR	55	254		
HA818	UV STERILIZER IN HDPE 110 M3/H WITH SENSOR	55	254		
HA820	UV STERILIZER IN HDPE 150 M3/H WITH SENSOR	55	254		
HA822	UV STERILIZER IN HDPE 250 M3/H WITH SENSOR	55	254		
HA824	UV STERILIZER IN HDPE 340 M3/H WITH SENSOR	55	254		
HA826	UV STERILIZER IN HDPE 470 M3/H WITH SENSOR	55	254		
HA828	UV STERILIZER IN HDPE 600 M3/H WITH SENSOR	55	254		
HA830	UV STERILIZER IN HDPE 830 M3/H WITH SENSOR	55	254		
HA832	UV STERILIZER IN HDPE 980 M3/H WITH SENSOR	55	254		

Ref	Total consumption (w)	N°Lamps	Lamp power (w)	Life span lamps	In/Out connections	Mounting	Flow direction
HA800N	40	1	40	9.000	1½" F	Vert.	↑
HA800	40	1	40	9.000	1½" F	Vert.	↑
HA802N	80	1	80	9.000	1½" F	Vert.	↑
HA802	80	1	80	9.000	1½" F	Vert.	↑
HA804N	80	2	40	9.000	2½" F	Vert.	↑
HA804	80	2	40	9.000	2½" F	Vert.	↑
HA806N	160	2	80	9.000	2½" F	Vert.	↑
HA806	160	2	80	9.000	2½" F	Vert.	↑
HA808	260	3	80	9.000	DN65	Vert.	↑
HA810	335	4	80	9.000	DN80	Vert.	↑
HA812	440	5	80	9.000	DN100	Vert.	↑
HA814	440	2	200	12.000	DN100	Vert.	↑
HA816	660	3	200	12.000	DN100	Orizz.	↔
HA818	880	2	400	16.000	DN150	Orizz.	↔
HA820	1300	3	400	16.000	DN200	Orizz.	↔
HA822	1760	4	400	16.000	DN250	Orizz.	↔
HA824	2180	5	400	16.000	DN250	Orizz.	↔
HA826	3100	7	400	16.000	DN300	Orizz.	↔
HA828	3500	8	400	16.000	DN350	Orizz.	↔
HA830	4400	10	400	16.000	DN400	Orizz.	↔
HA832	5300	12	400	16.000	DN450	Orizz.	↔

Ref	Box: WxLxH.	Box: Q.ty	Box: Weight.	Pallet: WxLxH.	Pallet: Q.ty	Pallet: Weight.
HA800N						
HA800						
HA802N						
HA802						
HA804N						
HA804						
HA806N						
HA806						
HA808						
HA810						
HA812						
HA814						
HA816						
HA818						
HA820						
HA822						
HA824						
HA826						
HA828						
HA830						
HA832						

Certificates	Manufacturer	Sectors
DM174-2004 CE, EAC	MWG	Industrial

Industrial U.V. Sterilizers in HDPE

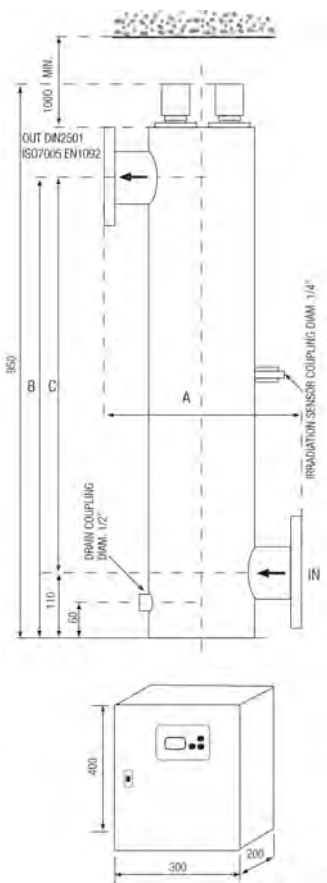


Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out	B (mm)	C (mm)	D (mm)	E (mm)
HA800N	6	4	1 ½" F	807	727	80	200
HA800	6	4	1 ½" F	807	727	80	200
HA802N	6	4	1 ½" F	807	727	80	200
HA802	6	4	1 ½" F	807	727	80	200
HA804N	12,4	8	2 ½" F	790	680	110	300
HA804	12,4	8	2 ½" F	790	680	110	300
HA806N	12,4	11	2 ½" F	790	680	110	300
HA806	12,4	11	2 ½" F	790	680	110	300

UV sensor (If provided)	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	
Material and color	Black Polypropylene
Dimensions	215 x 215 x 90 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NA - NC)	Yes - general alarm (max 2 A)
230 V output (NA - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in HDPE

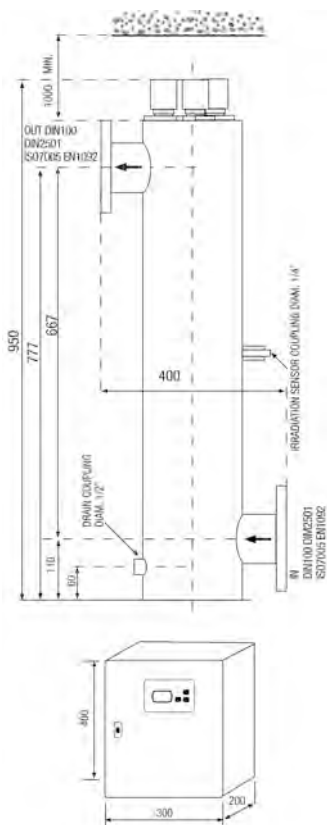


Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out connection	A (mm)	B (mm)	C (mm)
HA808	12,7	11	Flange DN65	350	799	689
HA810	20,1	16	Flange DN80	400	790	680

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	
Control panel	Rack LCD Plus
Material and color	Painted Steel - RAL 7035
Dimensions	400 x 300 x 200 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	SI
Free contact (NA - NC)	Yes - general alarm (max 2 A)
230 V output (NA - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in HDPE

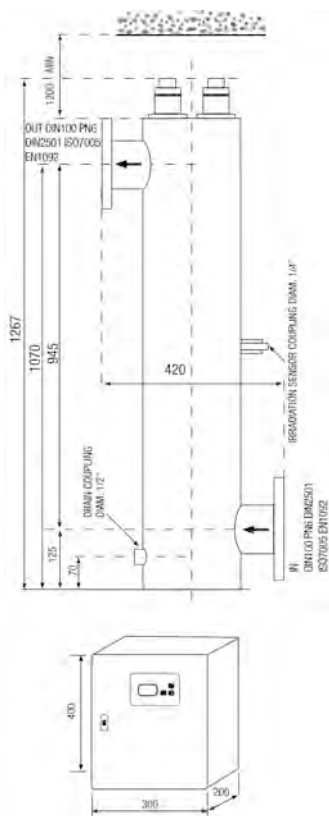


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA812	20,5	19

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	Rack LCD Plus
Material and color	Painted Steel - RAL 7035
Dimensions	400 x 300 x 200 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NO - NC)	Yes - general alarm (max 2 A)
230 V output (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in HDPE

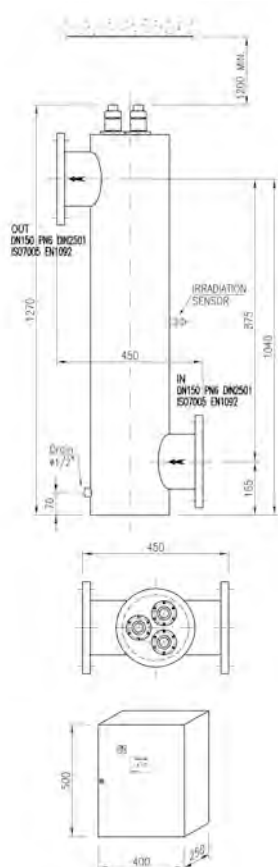


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA814	40	30

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	Rack LCD Plus
Material and color	Painted Steel - RAL 7035
Dimensions	400 x 300 x 200 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NO - NC)	Yes - general alarm (max 2 A)
230 V output (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in HDPE

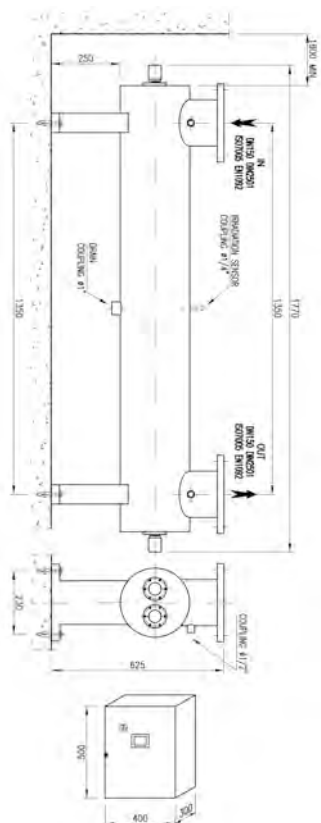


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA816	40	30

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	Rack LCD Plus
Material and color	Painted Steel - RAL 7035
Dimensions	400 x 300 x 200 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NO - NC)	Yes - general alarm (max 2 A)
230 V output (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in HDPE

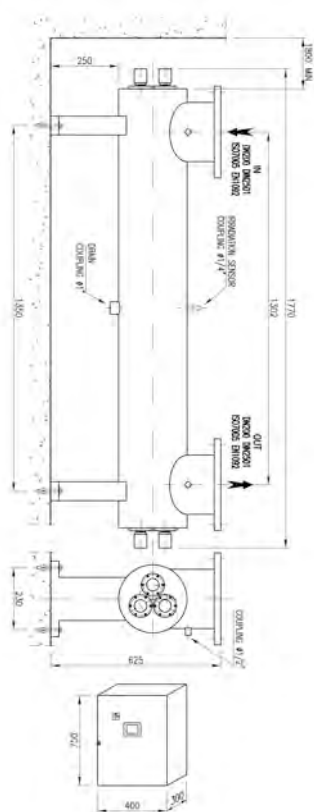


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA818	50	42

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or Web Gate

Industrial U.V. Sterilizers in HDPE

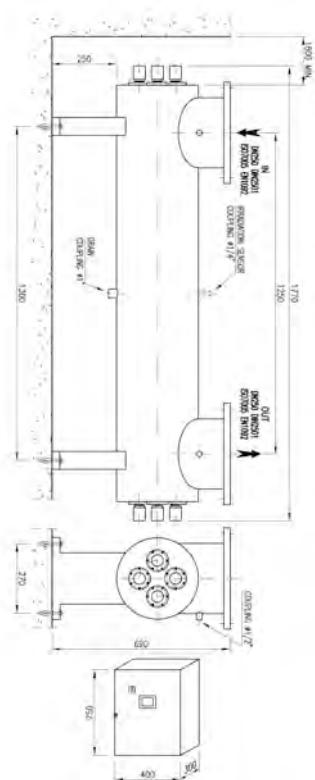


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA820	52,3	42

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or Web Gate

Industrial U.V. Sterilizers in HDPE



Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA822	84	52

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

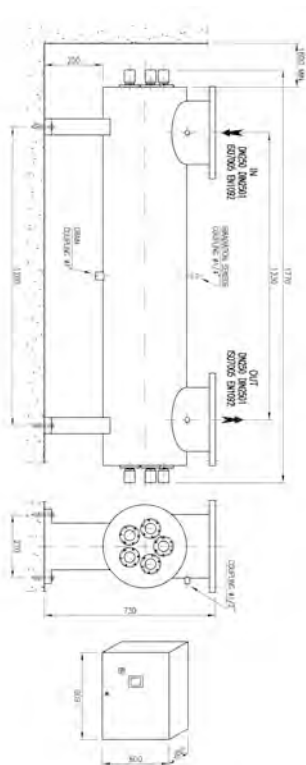
Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate

Industrial U.V. Sterilizers in HDPE

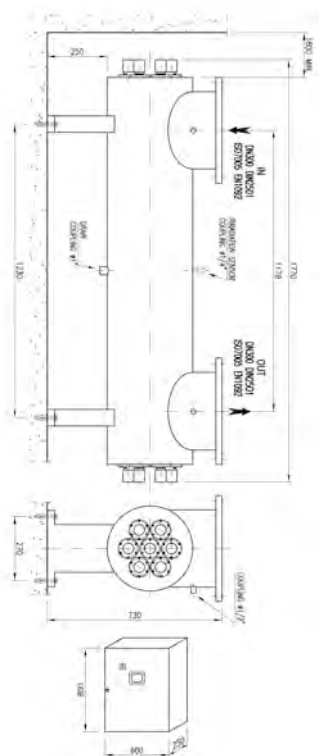
Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA824	101	80

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate



Industrial U.V. Sterilizers in HDPE

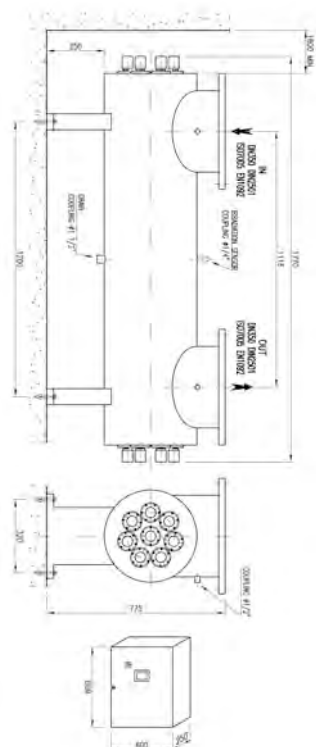


Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA826	104	100

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate

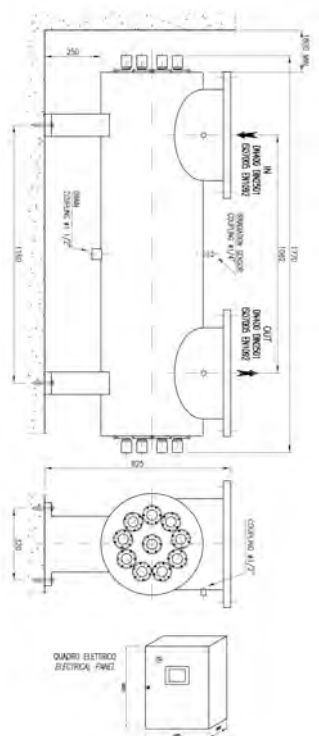
Industrial U.V. Sterilizers in HDPE



Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA828	130	165

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate



Industrial U.V. Sterilizers in HDPE

Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA830	165	180

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate

Industrial U.V. Sterilizers in AISI 316L 200 W Series

- Made in European Union (Italy);
- To be used for industrial water disinfection systems;
- Single-lamp or multi-lamp systems, with single lamp 200 W;
- With reactor in AISI 316L, with sensor;
- Electric box with electronic circuit, connection cable, operating time meter and switch;
- Operating and failure led;
- Available on request with UL certificate (for USA and Canada);
- Conform with Polish Quality Certification for Poland;
- With lamp quartz sheath;
- Max operating pressure 10 bar; Temperature: 5 ÷ 50°C;
- UVC transmittance 98% - 1cm, UVC dose 400 J/m² ;
- Power supply 230 V - 50/60 Hz and life span of lamp 12.000 hours;
- Reactor protection class IP65;
- Control panel protection class IP54;
- Possibility of connection with shut down solenoid valve;
- Optional cleaning system (manual or automatic);
- Vertical mounting (horizontal for automatic cleaning systems).
- **NOTA:**
- ↑ = From bottom Optional to cleatop.
- ↔ = Both directions.

Ref	Description	Fam.	Subfam.		
HA840	UV2 STERILIZER IN AISI 316L 24 M3/H WITH DOSING SENSOR	55	252		
HA840M	UV2 STERILIZER IN AISI 316L 24 M3/H MAN. CLEANINGWITH DOSING SENSOR	55	252		
HA840A	UV2 STERILIZER IN AISI 316L 24 M3/H SELF CLEANINGWITH DOSING SENSOR	55	252		
HA842	UV2 STERILIZER IN AISI 316L 60 M3/H WITH DOSING SENSOR	55	252		
HA842M	UV2 STERILIZER IN AISI 316L 60 M3/H MAN. CLEANINGWITH DOSING SENSOR	55	252		
HA842A	UV2 STERILIZER IN AISI 316L 60 M3/H SELF CLEANINGWITH DOSING SENSOR	55	252		
HA844	UV2 STERILIZER IN AISI 316L 96 M3/H WITH DOSING SENSOR	55	252		
HA844A	UV2 STERILIZER IN AISI 316L 96 M3/H SELF CLEANINGWITH DOSING SENSOR	55	252		
HA846	UV2 STERILIZER IN AISI 316L 125 M3/H WITH DOSINGSENSOR	55	252		
HA848	UV2 STERILIZER IN AISI 316L 160 M3/H WITH DOSINGSENSOR	55	252		
HA848A	UV2 STERILIZER IN AISI 316L 160 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		

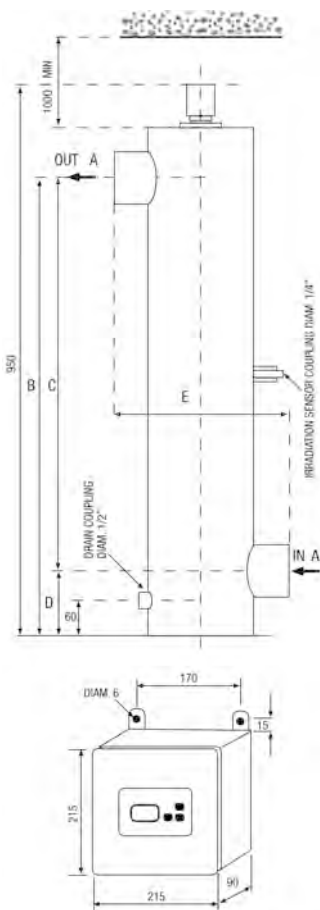
Industrial U.V. Sterilizers in AISI 316L 200 W Series

Ref	Max flow rate (m/h)	Total consumption (W)	N° Lamps	Lamps power	In-Out connections	Flow direction
HA840	24	222	1	200	2" M	↑
HA840M	24	222	1	200	2" M	↑
HA840A	24	222	1	200	2" M	↔
HA842	60	444	2	200	DN80	↑
HA842M	60	444	2	200	DN80	↑
HA842A	60	444	2	200	DN80	↔
HA844	96	666	3	200	DN100	↑
HA844A	96	666	3	200	DN100	↔
HA846	125	888	4	200	DN150	↑
HA848	160	888	4	200	DN150	↑
HA848A	160	888	4	200	DN150	↔

Ref	Box: Q.ty	Box: Weight.	Pallet: WxLxH.	Pallet: Q.ty	Pallet: Weight.
HA840					
HA840M					
HA840A					
HA842					
HA842M					
HA842A					
HA844					
HA844A					
HA846					
HA848					
HA848A					

Certificates	Manufacturer	Sectors
DM174-2004 WRAS CE, EAC	MWG	Industrial

Industrial U.V. Sterilizers in HDPE

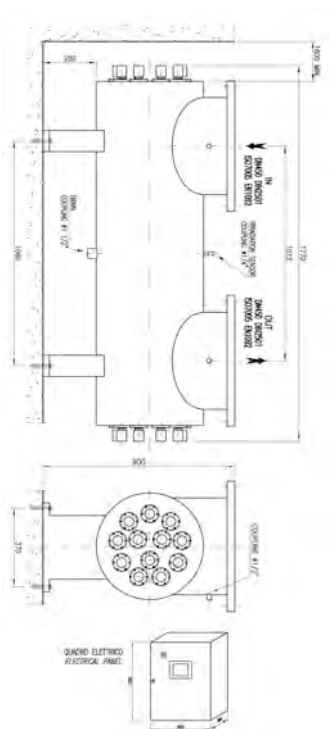


Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out	B (mm)	C (mm)	D (mm)	E (mm)
HA800N	6	4	1 ½" F	807	727	80	200
HA800	6	4	1 ½" F	807	727	80	200
HA802N	6	4	1 ½" F	807	727	80	200
HA802	6	4	1 ½" F	807	727	80	200
HA804N	12,4	8	2 ½" F	790	680	110	300
HA804	12,4	8	2 ½" F	790	680	110	300
HA806N	12,4	11	2 ½" F	790	680	110	300
HA806	12,4	11	2 ½" F	790	680	110	300

UV sensor (If provided)	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

Control panel	
Material and color	Black Polypropylene
Dimensions	215 x 215 x 90 mm
Ambient temperature range	5 - 45° C
Lamp cable	1 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NA - NC)	Yes - general alarm (max 2 A)
230 V output (NA - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in AISI 316L 200 W Series



Ref	Reactor Volume (liter)	Reactor Weight (kg)
HA832	214	220

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Teflon

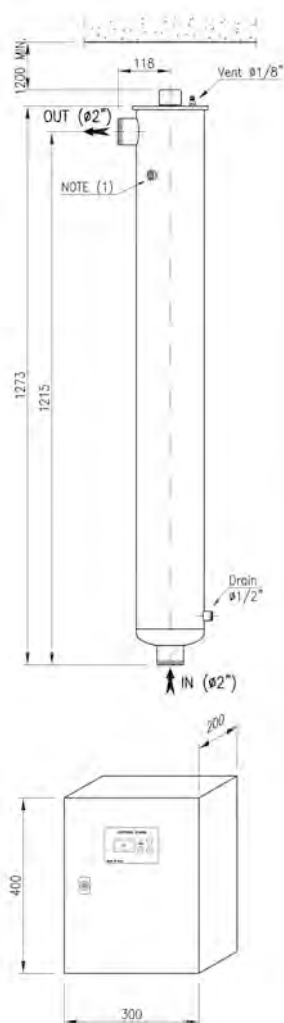
Control Panel	TC
Material and colour	Painted Steel - RAL 7035
Protection class	IP 54
Lamp cable length	2,5 m
Monitor display	touch - screen (65000 colours)
Multi language display	Yes
Chamber temperature measurement	Yes (°C)
UV irradiance measurement	Yes (% or W/m²)
Panel temperature measurement	Yes (°C)
Flow - meter connection	Yes (4 - 20 mA)
UVT reader connection	Yes (4 - 20 mA)
UV dose calculation	Optional (only with external flow meter)
Hour meters	For total system life - Resettable for lamp life control
Free contact alarms (N/O)	Yes (max 1.3 A)
General alarm	Yes (settable contact working)
System working signal	Yes
High temperature alarm	Yes for panel and reactor (shut off for high temperature)
24 V output	Yes
Low irradiance alarm	Yes (settable value)
Lamps of alarm	Yes
Lamps control on/off	Yes
4/20 mA output	Yes for irradiance and temperature
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Datalog - Events	Yes
Lamp power regulation	Manual or Automatic (dose or flow pacing)
Communication ports (protocols)	CAN, Ethernet, USB, Seriale (Modbus, TCP/IP, CANopen)
Remote access	With specific App or WebGate

Industrial U.V. Sterilizers in AISI 316L 200 W Series

Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA840	21,5	13	2" M
HA840M	21,5	13	2" M

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	
Rack LCD Plus	
Material and color	Painted Steel - RAL 7035
Ambient temperature range	5 - 45° C
Lamp cable	2,5 m
Power supply cable	1 m
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	SI
Free contact (NO - NC)	Yes - general alarm (max 2 A)
230 V output (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m ² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

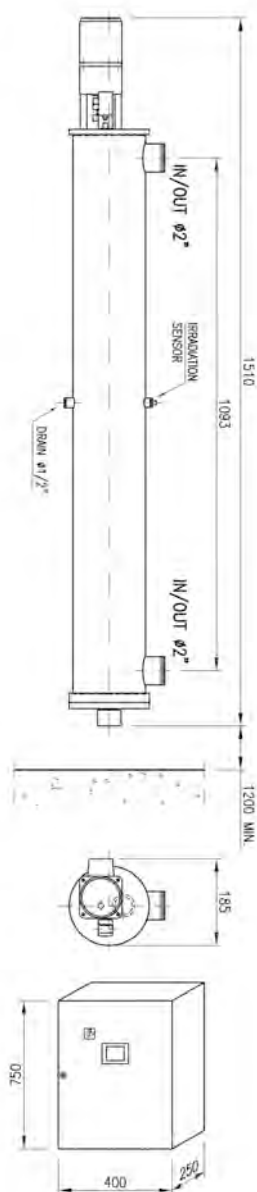


Industrial U.V. Sterilizers in AISI 316L 200 W Series

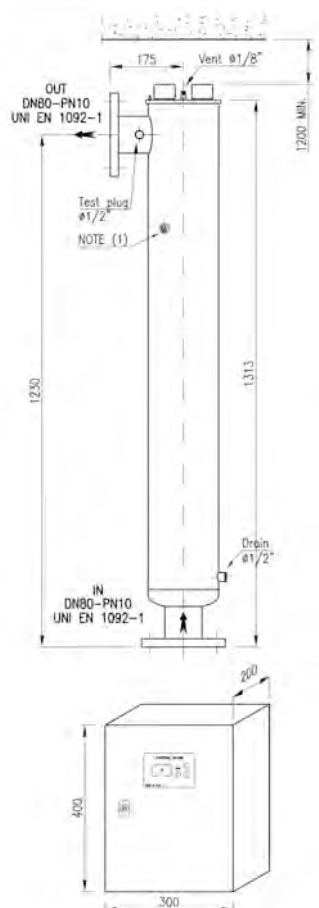
Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA840A	21,5	13	2" M

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel - RAL 7035
Ambient temperature range	5 - 45° C
Lamp cable	4 m
Monitor display	Touch screen (65.000 colors)
Multilanguage display	IT - EN - FR - ES
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m² optional)
4/20 mA output	Yes - for irradiance and water temperature



Industrial U.V. Sterilizers in AISI 316L 200 W Series



Ref	Reactor Volume (liter)	Reactor Weight (kg)	A In-Out	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HA842	39	25	DN80	1230	1313	175	400	300	200
HA842M	39	25	DN80	1230	1313	175	400	300	200

UV sensor (If provided)	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

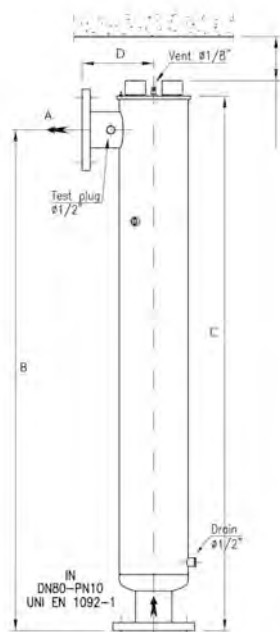
Control panel	
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	2,5 mm
Power supply cable	1 mm
Monitor display	LCD
Resettable hour meter	Yes for lamp life control
Lamp function control	Yes
Free contact (NO - NC)	Yes - general alarm (max 2 A)
230 V output (NO - NC)	Yes - general alarm (max 2 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes (settable)
Reactor temperature measurement and alarm	Yes (C°) - Settable value (shut off for high temperature) on Model with sensor
UV irradiance measurement and alarm	Yes (% or W/m² optional) - settable value on models with sensor
4/20 mA output	Optional - for irradiance and water temperature on models with sensor

Industrial U.V. Sterilizers in AISI 316L 200 W Series

Ref	Reactor Volume (liter)	Reactor Weight (kg)	A In-Out	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
HA844	50	31	DN100	1200	1321	210	500	400	250
HA846	47	37	DN150	1175	1321	210	750	400	250
HA848	70	48	DN150	1200	1346	235	750	400	250

UV sensor (If provided)	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi Language Display	IT - EN - FR - ES
hour meter	For total system life - Resettable for lamp life control
Lamp function control	Yes
Free contact alarms (N/O)	Yes - general alarm (max 1.3 A)
Remote ON/OFF contact	Yes (settable)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°)(shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Optional - for irradiance and water temperature on models with sensor



Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series

- Made in European Union (Italy);
- To be used for industrial water disinfection systems;
- Multi-lamp systems with single lamp 400 W;
- With reactor in AISI 316L, with sensor;
- Electric box with electronic circuit, connection cable, operating time meter and switch;
- Operating and failure led;
- Available on request with UL certificate (for USA and Canada);
- Conform with Polish Quality Certification for Poland;
- Conform with a Norwegian certification of National Veterinary Institute, which gives the leading rules applied world wide in the sector of the fish farm;
- With lamp quartz sheath;
- Max operating pressure 10 bar;
- Temperature: 5 ÷ 50°C;
- UVC transmittance 97% - 1cm, UVC dose 400 J/m2 ;
- Power supply 230 V - 50/60 Hz and life span of lamp 16.000 hours;
- Reactor protection class IP65;
- Control panel protection class IP54;
- Possibility of connection with shut down solenoid valve;
- Alarm system;
- Horizontal mounting and flow both directions;
- Automatic cleaning systems.

Ref	Description	Fam.	Subfam.		
HA860A	UV4 STERILIZER IN AISI 316L 150 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA862A	UV4 STERILIZER IN AISI 316L 250 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA864A	UV4 STERILIZER IN AISI 316L 300 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA866A	UV4 STERILIZER IN AISI 316L 420 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA868A	UV4 STERILIZER IN AISI 316L 600 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA870A	UV4 STERILIZER IN AISI 316L 830 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		
HA872A	UV4 STERILIZER IN AISI 316L 980 M3/H SELF CLEANING WITH DOSING SENSOR	55	252		

Ref	Max flow rate (m/h)	Total consumption (W)	N° Lamps	Lamp power	In-Out Connections
HA860A	150	1.300	3	400	DN150
HA862A	250	1.760	4	400	DN200
HA864A	300	2.180	5	400	DN200
HA866A	420	2.650	6	400	DN250
HA868A	600	3.500	8	400	DN250
HA870A	830	4.400	10	400	DN300
HA872A	980	5.300	12	400	DN350

Ref	Box: Q.ty	Box: Weight.	Pallet: WxLxH.	Pallet: Q.ty	Pallet: Weight.
HA860A					
HA862A					
HA864A					
HA866A					
HA868A					
HA870A					
HA872A					

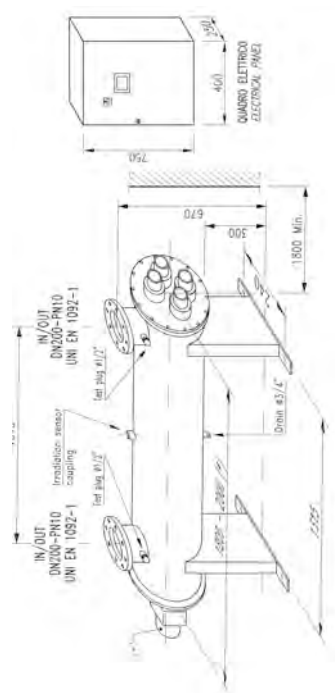
Certificates	Manufacturer	Sectors
DM174-2004 WRAS CE, EAC	MWG	Industrial

Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series

Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA862A	82	80	DN200

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature

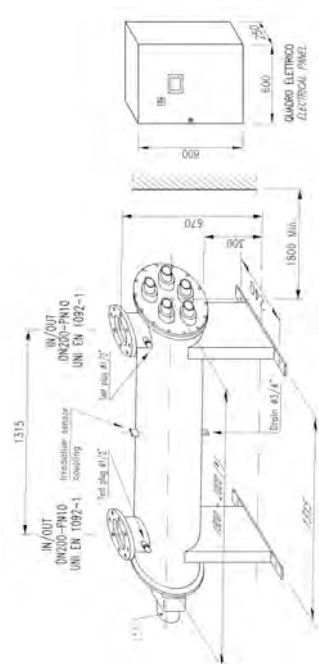


Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series

Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA864A	87	100	DN200

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature

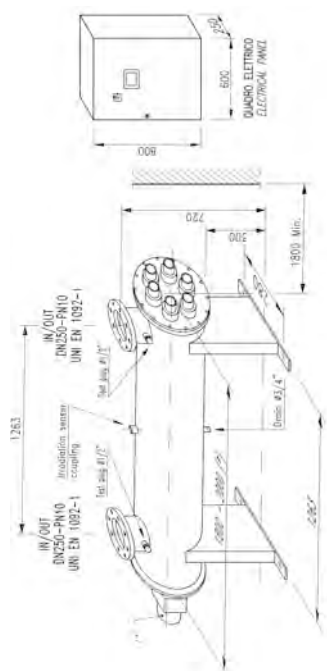


Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series

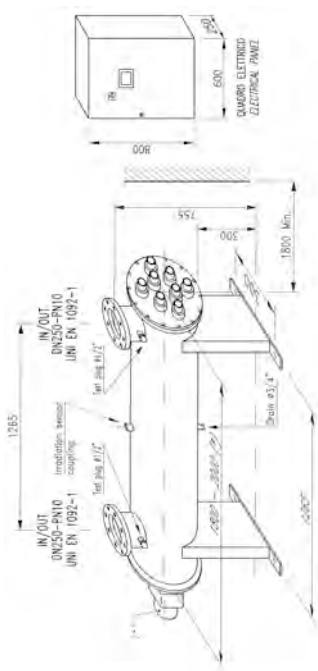
Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA866A	126	110	DN250

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature



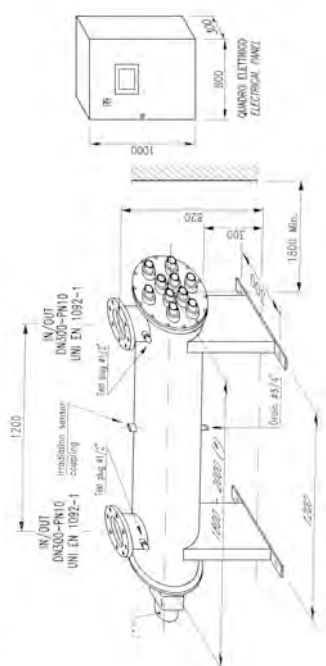
Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series



Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA868A	150	125	DN250

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature



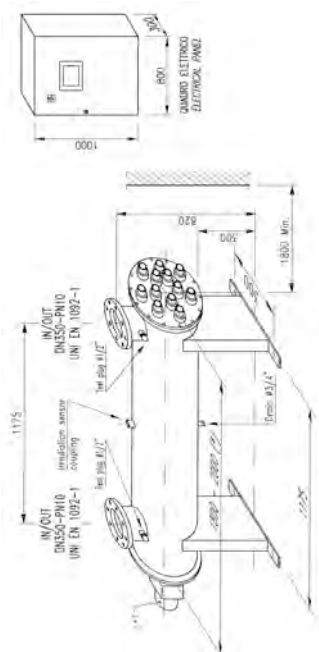
Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series

Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA870A	197	175	DN300

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature

Industrial Flanged Multilamp U.V. Sterilizers in AISI 316L 400 W Series



Ref	Reactor Volume (liter)	Reactor Weight (kg)	In-Out
HA872A	197	200	DN350

UV sensor	
Type	UVC selective sensor Mod. UV737TF
Sensor cable	shielded cable 4 meters
Sensor holder material	Stainless steel 316L

Control panel	TC
Material and color	Black Painted Steel (RAL 7035)
Ambient temperature range	5 - 45° C
Lamp cable	4 mm
Monitor display	Touch Screen (65.000 colors)
Multi language display	IT - EN - FR - ES
Hour meter	For total system life - Resettable for lamp life control
Lamp control on/off	Yes
Free contact (N/O)	Yes (max 1,3 A)
Remote ON/OFF	Yes (settable contact working)
ON/OFF timer	Yes
Reactor temperature measurement and alarm	Yes (C°) (shut off for high temperature)
UV irradiance measurement and alarm	Yes (% or W/m²)
4/20 mA output	Yes for irradiance temperature

U.V. Sterilizers HDPE - 200W - 400W Spare Parts

Ref.	Description	Fam.	Subfam.		
HA054	UV LAMP 40 WATT	55	255		
HA056	UV LAMP 80 WATT	55	255		
HA056B	UV LAMP 200 WATT	55	255		
HA056C	UV LAMP 400 WATT	55	255		
HA064	QUARZ FOR UV LAMP 40 W E 80 W	55	255		
HA064B	QUARZ FOR UV LAMP 200 WATT	55	255		
HA064C	QUARZ FOR UV LAMP 400 WATT	55	255		
HA074	O-RING FOR QUARTZ FOR UV LAMP 40-80 WATT	55	255		
HA074B	O-RING FOR QUARTZ FOR UV LAMP 200 WATT	55	255		
HA074C	O-RING FOR QUARTZ FOR UV LAMP 400 WATT	55	255		

U.V. Sterilizers HDPE - 200W - 400W Spare Parts

Ref	Sterilizers UV
HA054	HA800 - HA800N - HA804 - HA804N
HA056	HA802 - HA802N - HA806 - HA806N - HA808 - HA810 - HA812
HA056B	HA814 - HA816 - all 200 W models
HA056C	HA818 - HA820 - HA822 - HA824 - HA826 - HA828 - HA830 - HA832 - all 400 W models
HA064	HA800 - HA800N - HA804 - HA804N - HA802 - HA802N - HA806 - HA806N - HA808 - HA810 - HA812
HA064B	HA814 - HA816 - all 200 W models
HA064C	HA818 - HA820 - HA822 - HA824 - HA826 - HA828 - HA830 - HA832 - all 400 W models
HA074	HA800 - HA800N - HA804 - HA804N - HA802 - HA802N - HA806 - HA806N - HA808 - HA810 - HA812
HA074B	HA814 - HA816 - all 200 W models
HA074C	HA818 - HA820 - HA822 - HA824 - HA826 - HA828 - HA830 - HA832 - all 400 W models