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Date of establishment: 1992

Local representative details:



## UV Disinfection unit SEAHORSE



OUR REPRESENTATIVES - DOE.PL/AGENTS



### ADVANTAGES

- effective
- environmental friendly
- inactivation of bacteria, viruses and parasites
- non toxic method (by contrast to chlorination)
- compact design
- continuous monitoring using selective UV sensor
- continuous display of UV power – digital output
- continuous display in analog form (analog meter)
- timer
- buzzer and external alarm
- pre-alarm (lower UV level)
- robust construction.
- electronic ballast 50 & 60 Hz power supply, 230V.
- electric flow cut off
- solenoid valve on outlet, controlled by UV meter.
- simple version for low budgeted applications – version ZERO

### LAMPS

- Low pressure UV lamp, 9000 to 12000h lifetime
- Power of the lamp - 75W
- Power of UV radiation - 25 to 180W

### DISINFECTION

- Waste water
- Drinking water
- Process water





# SEAHORSE YACHT and ZERO

Small, simple and effective.

Seahorse Yacht: 1 lamp, pipe 316L SS, simple, cost effective

Seahorse Zero: 1 lamp, electric plastic box, pipe 316L SS, simple, cost effective



	SEAHORSE YACHT	SEAHORSE ZERO	
<i>gross weight (approx.)</i>	3kg	6kg	<b>TECHNICAL DATA</b>
<i>max. dimensions with maintenance space</i>	110 x 22 x 22 cm	200 x 22 x 22 cm	
<i>material</i>	316L SS	316L SS	
<i>protection class</i>	IP65	IP65	
<i>400J/m2 (98% transparent water after osmosis or evaporator)</i>	0.2 m <sup>3</sup> /h	1.2 m <sup>3</sup> /h	<b>REACTOR DATA</b>
<i>400J/m2 (fresh water from land supply 90-95% transparency)</i>	n/a	0.8 - 1.0 m <sup>3</sup> /h	
<i>connection</i>	1/2" male	3/4" male	
<i>dimensions (w/l/d)</i>	22/60/50 cm	22/100/50 cm	
<i>diameter (mm)</i>	5/4" (30mm)	5/4" (30mm)	<b>ELECTRIC BOX DATA</b>
<i>volume (l) approx.</i>	0.15	2	
<i>max. operation pressure</i>	10 bar	10 bar	
<i>cabinet material</i>	ABS (plastic)	ABS (plastic)	
<i>dimensions (w/h/d)</i>	22/22/22 cm	22/22/22 cm	<b>LAMP DATA</b>
<i>supply voltage</i>	230V 50Hz/60Hz	230V 50Hz/60Hz	
<i>power consumption</i>	40W	90W	
<i>protection class</i>	IP54	IP54	
<i>solenoid valve</i>	no	no	<b>REACTOR DATA</b>
<i>UV sensor</i>	no	no	
<i>lamp type</i>	low pressure	low pressure	
<i>power of lamp</i>	25W	75W	
<i>UV-C radiation</i>	8 W	25 W	<b>ELECTRIC BOX DATA</b>
<i>quantity of lamps</i>	1	1	
<i>expected lamp lifetime (h)</i>	9000	9000	

# SEAHORSE A and B

1 lamp, electric metal box, metal enclosure & hoses for wires,

UV sensor control, electromagnetic valve



	SEAHORSE A	SEAHORSE B	
<i>gross weight (approx.)</i>	24kg	25kg	<b>TECHNICAL DATA</b>
<i>max. dimensions with maintenance space</i>	205 x 50 x 30 cm	205 x 50 x 30 cm	
<i>material</i>	316L SS	316L SS	
<i>protection class</i>	IP65	IP65	
<i>400J/m2 (98% transparent water after osmosis or evaporator)</i>	6.4 m <sup>3</sup> /h	10 m <sup>3</sup> /h	<b>REACTOR DATA</b>
<i>400J/m2 (fresh water from land supply 90-95% transparency)</i>	4.0 - 5.5 m <sup>3</sup> /h	6.5 - 8.8 m <sup>3</sup> /h	
<i>connection</i>	1 1/4" male	1 1/2" male	
<i>dimensions (w/l/d)</i>	20/105/130 cm	20/105/130 cm	
<i>diameter (mm)</i>	130 mm	130 mm	<b>ELECTRIC BOX DATA</b>
<i>volume (l) approx.</i>	10	10	
<i>max. operation pressure</i>	10 bar	10 bar	
<i>cabinet material</i>	black steel galvanized + powder painted	black steel galvanized + powder painted	
<i>dimensions (w/h/d)</i>	20/60/20 cm	20/60/20 cm	<b>LAMP DATA</b>
<i>supply voltage</i>	230V 50Hz/60Hz	230V 50Hz/60Hz	
<i>power consumption</i>	90W	165W	
<i>protection class</i>	IP54	IP54	
<i>solenoid valve</i>	yes (1 1/4")	yes (1 1/2")	<b>REACTOR DATA</b>
<i>UV sensor</i>	yes	yes	
<i>lamp type</i>	low pressure	low pressure	
<i>power of lamp</i>	75W	150W	
<i>UV-C radiation</i>	25 W	44 W	<b>ELECTRIC BOX DATA</b>
<i>quantity of lamps</i>	1	1	
<i>expected lamp lifetime (h)</i>	9000	12000	

# SEAHORSE C

2 lamps, electric metal box, metal enclosure & hoses for wires,

UV sensor control, electromagnetic valve



	SEAHORSE C	
<i>gross weight (approx.)</i>	70kg	<b>TECHNICAL DATA</b>
<i>max. dimensions with maintenance space</i>	205 x 50 x 50 cm	
<i>material</i>	316L SS	
<i>protection class</i>	IP65	
<i>400J/m2 (98% transparent water after osmosis or evaporator)</i>	50 m <sup>3</sup> /h	<b>REACTOR DATA</b>
<i>400J/m2 (fresh water from land supply 90-95% transparency)</i>	25 m <sup>3</sup> /h	
<i>connection</i>	1 1/2" male	
<i>dimensions (w/l/d)</i>	96.1/30/30 cm	
<i>diameter (mm)</i>	273 mm	<b>ELECTRIC BOX DATA</b>
<i>volume (l) approx.</i>	50	
<i>max. operation pressure</i>	10 bar	
<i>cabinet material</i>	black steel galvanized + powder painted	
<i>dimensions (w/h/d)</i>	40/40/20 mm	<b>LAMP DATA</b>
<i>supply voltage</i>	230V 50Hz/60Hz	
<i>power consumption</i>	315W	
<i>protection class</i>	IP54	
<i>solenoid valve</i>	yes (1 1/2")	<b>REACTOR DATA</b>
<i>UV sensor</i>	yes	
<i>lamp type</i>	low pressure	
<i>power of lamp</i>	300W	
<i>UV-C radiation</i>	2x44=88W	<b>ELECTRIC BOX DATA</b>
<i>quantity of lamps</i>	2	
<i>expected lamp lifetime (h)</i>	12000	