







LAMPS

- Waste water

- Drinking water

- Process water

- Power of the lamp - 75W

DISINFECTION

- Power of UV radiation - 25 to 180W

- Low pressure UV lamp, 9000 to 12000h lifetime

ADVANTAGES

- effective
- environmental friendly
- inactivation of bacteria, viruses and parasites
- non toxic method (by contrast to chlorination)
- continuous monitoring using selective UV sensor
- continuous display of UV power digital output
- continuous display in analog form (analog meter)
- 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

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Date of establishment: 1992

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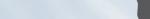


UV Disinfection unit SEAHORSE



OUR REPRESENTATIVES - DOE.PL/AGENTS











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 | |
|--|--------------------------------------|--------------------------------------|-------------------|
| gross weight (approx.) | 3kg | 6kg | TECHNICAL DATA |
| max. dimensions with maintenance space | 110 x 22 x 22 cm | 200 x 22 x 22 cm | |
| material | 316L SS | 316L SS | |
| protection class | IP65 | IP65 | |
| 400J/m2 (98% transparent water after osmosis or evaporator) | 0.2 m ³ /h | 1.2 m ³ /h | |
| 400J/m2 (fresh water from land supply 90-95% transparency) | n/a | 0.8 - 1.0 m ³ /h | |
| connection | ¹ / ₂ " male | 3/4" male | REACTOR DATA |
| dimensions (w/l/d) | 22/60/50 cm | 22/100/50 cm | |
| diameter (mm) | ⁵ / ₄ " (30mm) | ⁵ / ₄ " (30mm) | |
| volume (I) approx. | 0.15 | 2 | |
| max. operation pressure | 10 bar | 10 bar | |
| cabinet material | ABS (plastic) | ABS (plastic) | ELECTRIC BOX DATA |
| dimensions (w/h/d) | 22/22/22 cm | 22/22/22 cm | |
| supply voltage | 230V 50Hz/60Hz | 230V 50Hz/60Hz | |
| power consumption | 40W | 90W | |
| protection class | IP54 | IP54 | |
| solenoid valve | no | no | |
| UV sensor | no | no | |
| lamp type | low pressure | low pressure | LAMP DATA |
| power of lamp | 25W | 75W | |
| UV-C radiation | 8 W | 25 W | |
| quantity of lamps | 1 | 1 | |
| expected lamp lifetime (h) | 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 | |
|---|---|---|-------------------|
| gross weight (approx.) | 24kg | 25kg | TECHNICAL DATA |
| max. dimensions with maintenance space | 205 x 50 x 30 cm | 205 x 50 x 30 cm | |
| material | 316L SS | 316L SS | |
| protection class | IP65 | IP65 | _ |
| 400J/m2 (98% transparent water after osmosis or evaporator) | 6.4 m3/h | 10 m3/h | _ |
| 400J/m2 (fresh water from land supply 90-95% transparency) | 4.0 - 5.5 m3/h | 6.5 - 8.8 m3/h | _ |
| connection | 1 ¹ / ₄ "" male | 1 ¹ / ₂ "" male | REACTOR DATA |
| dimensions (w/l/d) | 20/105/130 cm | 20/105/130 cm | |
| diameter (mm) | 130 mm | 130 mm | _ |
| volume (I) approx. | 10 | 10 | |
| max. operation pressure | 10 bar | 10 bar | |
| cabinet material | black steel galvanized + powder painted | black steel galvanized + powder painted | ELECTRIC BOX DATA |
| dimensions (w/h/d) | 20/60/20 cm | 20/60/20 cm | |
| supply voltage | 230V 50Hz/60Hz | 230V 50Hz/60Hz | |
| power consumption | 90W | 165W | |
| protection class | IP54 | IP54 | _ |
| solenoid valve | yes (1 1/4") | yes (1 ¹ / ₂ ") | _ |
| UV sensor | yes | yes | _ |
| lamp type | low pressure | low pressure | LAMP DATA |
| power of lamp | 75W | 150W | |
| UV-C radiation | 25 W | 44 W | |
| quantity of lamps | 1 | 1 | _ |
| expected lamp lifetime (h) | 9000 | 12000 | _ |

SEAHORSE C

2 lamps, electric metal box, metal enclosure & hoses for wires, UV sensor control, electromagnetic valve





| | SEAHORSE C | |
|---|--|-------------------|
| gross weight (approx.) | 70kg | TECHNICAL DATA |
| max. dimensions with maintenance space | 205 x 50 x 50 cm | |
| material | 316L SS | |
| protection class | IP65 | |
| 400J/m2 (98% transparent water after osmosis or evaporator) | 50 m3/h | |
| 400J/m2 (fresh water from land supply 90-95% transparency) | 25 m3/h | |
| connection | 1 ¹ / ₂ " male | REACTOR DATA |
| dimensions (w/l/d) | 96.1/30/30 cm | |
| diameter (mm) | 273 mm | |
| volume (I) approx. | 50 | |
| max. operation pressure | 10 bar | |
| cabinet material | black steel galvanized + powder painted | ELECTRIC BOX DATA |
| dimensions (w/h/d) | 40/40/20 mm | |
| supply voltage | 230V 50Hz/60Hz | |
| power consumption | 315W | |
| protection class | IP54 | |
| solenoid valve | yes (1 1/2") | |
| UV sensor | yes | |
| lamp type | low pressure | LAMP DATA |
| power of lamp | 300W | |
| UV-C radiation | 2x44=88W | |
| quantity of lamps | 2 | |
| expected lamp lifetime (h) | 12000 | |
| | | |