



water



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

DISINFECTION

- Waste water
- Drinking water
- Process water



LAMPS

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

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**UV Disinfection unit
SEAHORSE**

SEAHORSE ZERO

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



TECHNICAL DATA

| | |
|---|-----------------------------|
| gross weight | 6kg |
| max. dimensions with maintenance space | 200 x 22 x 22 cm |
| material | 316L SS |
| protection class | IP65 |
| 400J/m ² (98% transparent water after osmosis or evaporator) | 1.2 m ³ /h |
| 400J/m ² (fresh water from land supply 90-95% transparency) | 0.8 - 1.0 m ³ /h |

REACTOR DATA

| | |
|---------------------|--------------|
| connection | 3/4" male |
| dimensions (w/l/d) | 22/100/50 cm |
| diameter (mm) | 5/4" (30mm) |
| volume (l) approx. | 2 |
| weight (kg) approx. | 2 |

LAMP DATA

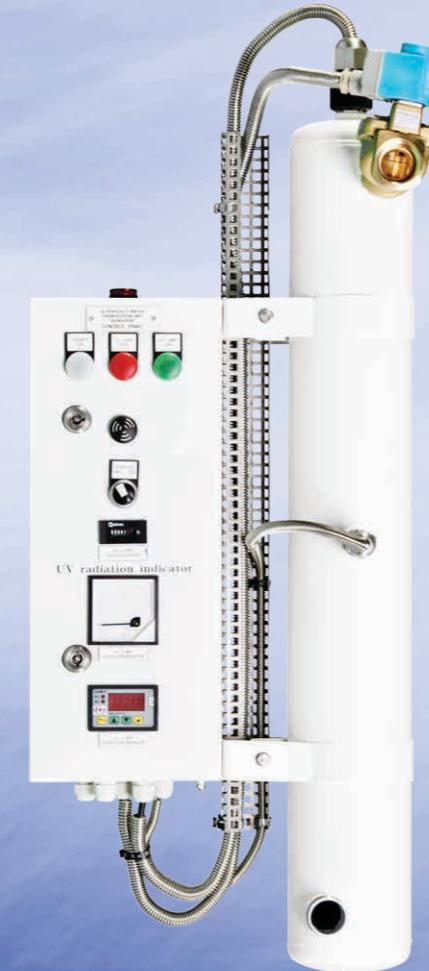
| | |
|-------------------------|-----------------------|
| max. operation pressure | 10 bar |
| lamp type | Phillips low pressure |
| power of lamp | 75W |
| UV-C radiation | 25 W |
| quantity of lamps | 1 |

ELECTRIC BOX DATA

| | |
|----------------------------|----------------|
| expected lamp lifetime (h) | 9000 |
| cabinet material | ABS (plastic) |
| dimensions (w/h/d) | 22/22/22 cm |
| weight (kg) | 4 |
| supply voltage | 230V 50Hz/60Hz |
| power consumption | 90W |
| protection class | IP44 |
| solenoid valve | no |
| UV sensor | no |

SEAHORSE A

1 lamp, electric metal box, metal enclosure & hoses for wires, UV sensor control, electromagnete velave



TECHNICAL DATA

| | |
|---|-----------------------------|
| gross weight | 24kg |
| max. dimensions with maintenance space | 205 x 50 x 30 cm |
| material | 316L SS |
| protection class | IP65 |
| 400J/m ² (98% transparent water after osmosis or evaporator) | 6.4 m ³ /h |
| 400J/m ² (fresh water from land supply 90-95% transparency) | 4.0 - 5.5 m ³ /h |

REACTOR DATA

| | |
|---------------------|---------------|
| connection | 1 1/4" male |
| dimensions (w/l/d) | 20/105/130 cm |
| diameter (mm) | 130 mm |
| volume (l) approx. | 10 |
| weight (kg) approx. | 15 |

LAMP DATA

| | |
|-------------------------|-----------------------|
| max. operation pressure | 10 bar |
| lamp type | Phillips low pressure |
| power of lamp | 75W |
| UV-C radiation | 25 W |
| quantity of lamps | 1 |

ELECTRIC BOX DATA

| | |
|----------------------------|----------------|
| expected lamp lifetime (h) | 9000 |
| cabinet material | black steel |
| dimensions (w/h/d) | 20/60/20 cm |
| weight (kg) | 10 |
| supply voltage | 230V 50Hz/60Hz |
| power consumption | 90W |
| protection class | IP44 |
| solenoid valve | yes (1 1/4") |
| UV sensor | yes |

SEAHORSE B

2 lamps, electric metal box, metal enclosure & hoses for wires, UV sensor control, electromagnete velave



TECHNICAL DATA

| | |
|---|-----------------------------|
| gross weight | 25kg |
| max. dimensions with maintenance space | 205 x 50 x 30 cm |
| material | 316L SS |
| protection class | IP65 |
| 400J/m ² (98% transparent water after osmosis or evaporator) | 10.3 m ³ /h |
| 400J/m ² (fresh water from land supply 90-95% transparency) | 6.5 - 8.8 m ³ /h |

REACTOR DATA

| | |
|---------------------|---------------|
| connection | 1 1/2" male |
| dimensions (w/l/d) | 20/105/130 cm |
| diameter (mm) | 130 mm |
| volume (l) approx. | 10 |
| weight (kg) approx. | 15 |

LAMP DATA

| | |
|-------------------------|--------------------|
| max. operation pressure | 10 bar |
| lamp type | Phillips low power |
| power of lamp | 2x75W |
| UV-C radiation | 25x2=50W |
| quantity of lamps | 2 |

ELECTRIC BOX DATA

| | |
|----------------------------|----------------|
| expected lamp lifetime (h) | 9000 |
| cabinet material | black steel |
| dimensions (w/h/d) | 20/60/20 mm |
| weight (kg) | 4 |
| supply voltage | 230V 50Hz/60Hz |
| power consumption | 180W |
| protection class | IP44 |
| solenoid valve | yes (1 1/2") |
| UV sensor | yes |