water

UV-C

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

Contact details:

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Date of establishment: 1992

Local representative details:

OUR REPRESENTATIVES - DOE.PL/AGENTS

DOE has a type approval for Tanks, Hydrophores and Heaters in Russian Register (formely Russian Maritime Register of Shipping)

DOE is approved for the Manufacture of Welded Pressure Vessels, Class II by DNV-GL

DOE has a type approval for Tanks, Hydrophores and Heaters in Russian River Register

doe Est. 1992

SHIPSERV

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UV Disinfection unit
SEAHORSE

SEAHORSE ZERO

Small, simple and effective.
Perfect to install with small RO Watermaker.

- 1 lamp
- plastic electric
- pipe staniless steel 316L
- simple, cost effective

SEAHORSE A and B

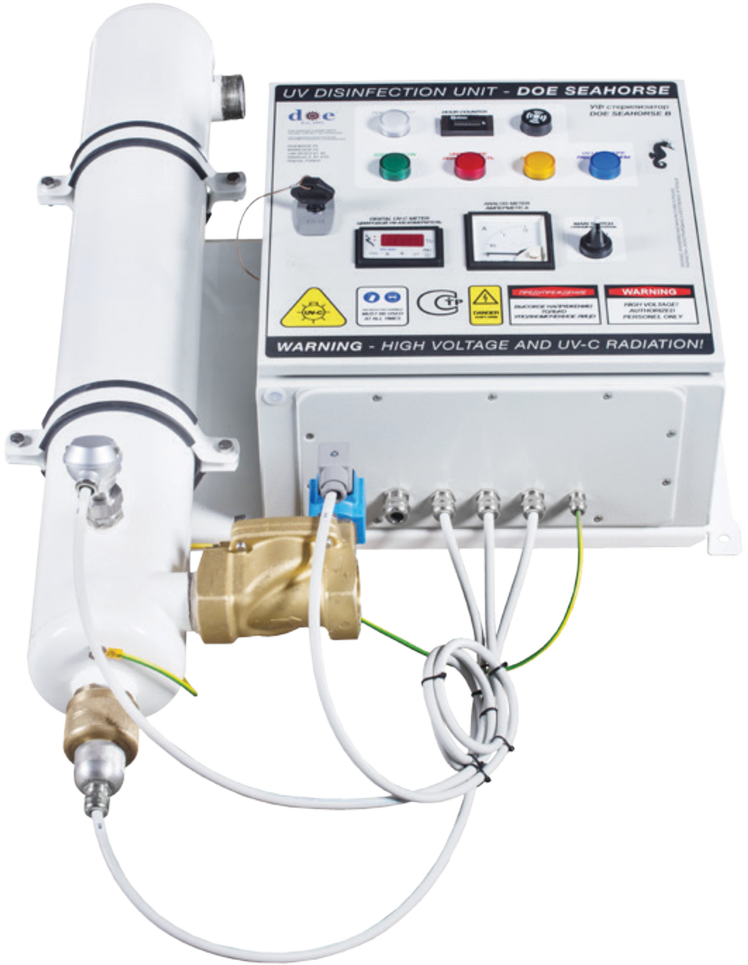
Medium size, most common unit.
Durable, made according to IACS rules.

- 2 or 3 lamps
- electric metal box, robust metal enclosure
- **UV sensor + AM meter**
- **double UV treatment control**
- **hour meter**
- electromagnetic valve as standard
- alarm to the bridge as standard

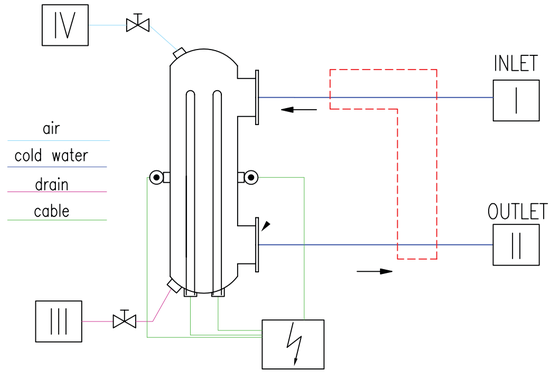
SEAHORSE C, D, E and F

Advanced, multi lamp units for demanding application. Durable, made according to IACS rules.

- from 2 to 8 lamps
- electric metal box, robust metal enclosure
- **UV sensor + AM meter**
- **double UV treatment control**
- **hour meter**
- **work indication for every lamp**
- electromagnetic valve as an option
- alarm to the bridge as standard.



SEAHORSE TECHNICAL DATA



	SEAHORSE ZERO	SEAHORSE A	SEAHORSE B	SEAHORSE C	SEAHORSE D	SEAHORSE E	SEAHORSE F
gross weight (approx.)	6 kg	24 kg	25 kg	70 kg	80 kg	90 kg	120 kg
max. dimensions with maintenance space	200 x 22 x 22 cm	105 x 60 x 30 cm	105 x 60 x 30 cm	205 x 50 x 60 cm	205 x 60 x 60 cm	205 x 50 x 60 cm	205 x 70 x 60 cm
material	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS	316L SS
protection class of reactor	IP65	IP65	IP65	IP65	IP65	IP65	IP65
max. flow with 400J/m2 (clean water)	1.2 m^3/h	6 m3/h	10 m3/h	50 m3/h	100 m3/h	150 m3/h	200 m3/h
max. flow with 400J/m2 (dirty water)	0.8 m^3/h	4.2 m3/h	7 m3/h	35 m3/h	70 m3/h	100 m3/h	140 m3/h
connection	$^3/_4$" male	1 $^1/_4$"" male	1 $^1/_2$"" male	DN80	DN125	DN150	DN200
diameter (mm)	$^5/_4$" (35mm)	130 mm	154 mm	273 mm	273 mm	273 mm	324 mm
volume (l) approx.	1	5	8	58	58	58	80
max. operation pressure	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar
cabinet material	ABS (plastic)	metal	metal	metal	metal	metal	metal
supply voltage	230V 50Hz/60Hz	230V 50Hz/60Hz	230V 50Hz/60Hz	230V 50Hz/60Hz	230V 50Hz/60Hz	230V 50Hz/60Hz	230V 50Hz/60Hz
protection class	IP54	IP54	IP54	IP54	IP54	IP54	IP54
solenoid valve	no	yes (1 $^1/_4$")	yes (1 $^1/_2$")	as an option	as an option	as an option	as an option
UV sensor	no	yes	yes	yes	yes	yes	yes
lamp type	low pressure	low pressure	low pressure	low pressure	low pressure	low pressure	low pressure
total power consumption	90 W	100 W	150 W	400 W	700 W	1200 W	1400 W
quantity of lamps	1	2	3	2	4	6	8
power of ONE lamp	75 W	48 W	48 W	172 W	172 W	172 W	172 W
total UV-C radiation	25 W	26 W	39 W	108 W	216 W	324 W	432 W
expected lamp lifetime (h)	9000	12000	12000	12000	12000	12000	12000

DOE reserves a right to change above technical data without prior notification. All current technical data is provided on the offer.