



# Fresh water treatment skid

## O C T O P U S





## *BASIC INFORMATION*

**Octopus** is a **special designed skid** - a frame to effortlessly connect and operate other DOE equipment as SEAHORSE, DODO, MOSQUITO. Every OCTOPUS is made especially to customers needs - according to the ordered other equipment.

## *DELIVERY*

Stainless Steel frame 304, powder painted white (in most cases)  
All installed elements in SS steel 316L or 304 or salt resistant

The frame is equipped with bypass pipe where the connections are made. Below elements are also included:

- stainless steel manometer
- stainless steel water meter
- non return valve

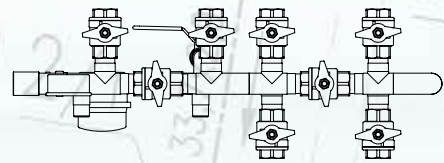
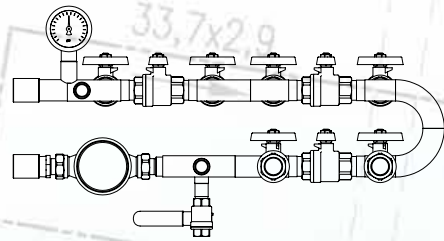
When ordering frame with accessories, all the connections are already made and the skid is tested.

## *APPLICATION*

- Hardening the demineralized water – after water maker.
- Cleaning tank for mixing chemicals for cleaning RO machines
- Disinfection of the water by UV units or Chlorine injection
- Antiscalant injection before RO units
- CO2 injection before Dolomite tanks

# CONSTRUCTION

- Compact construction
- Vertical mounting on the floor
- Specially designed for Reversed Osmosis units
- Special materials and sizes for pipes
- Skid mounted
- Ready to move by the ships door,
- All mounted on common frame tested before shipment
- Ready to fix to the floor and connect electricity
- All Stainless steel material
- All internal piping included
- Externally painted by white powder paint (in most cases)



## MOST POPULAR SET

Below, we present the most popular set of DOE equipment, which we install on OCTOPUS skid.

### DOE MOSQUITO

**Mosquito** is a **dosing pump with chemical tank**. Electric controlled dosing interface ensures reliable, cost-effective and precision processes. Simple but powerfull device necessary during water treatment procedure.

#### Applications:

- Dosing of the chlorine to the drinking water
- Dosing on the antiscalant on the RO systems
- Dosing of the chemicals to the cooling or heating systems

#### Specification:

- Pump is powered by 240V 50/60Hz, 1 phase power 37W
- Pump of capacity 2l/h on 10bar (max. 10l/h on 1bar)
- Digital regulation 1-100%
- Pump pressure - max. 10bar
- Inlet filter is connected with the pump
- Level sensor to prevent the pump from dry work
- Total weight - 10kg
- IP65
- Non return valve and the pressure pipe 5m included



### DOE DoDo

**DoDo** is a **mineralizer**. Stainless steel tank filled up with dolomite or other mineral bed. Water flows through the tank and gets minerals from the mineral bed.

### DOE SEAHORSE

**Seahorse** is a **UV disinfection** constant flow machine. Water flows through a pipe and is treated with UV lamp. We have different options of lamps available. Every machine comes with CE certificate according to the directive 73/23/EWG and 98/37/WE and PZH attest. Additionally we can handle certification according to DNV, LR, BV and other rules. More information available in the separate leaflet.









## TECHNICAL DATA

<i>width</i>	100 cm
<i>depth</i>	60 cm
<i>height</i>	150 cm
<i>capacity</i>	from 1 to 20 t/day
<i>designed pressure</i>	10 bar
<i>working pressure</i>	4-8 bar
<i>test pressure</i>	13 bar
<i>working temperature</i>	5 to 50°C

all connections are BSP inside threaded  
 all connections, pipes installed and tested  
 if electrically connected – all tested working ok  
 Presented technical data is calculated of example model

# Contact details:

Address:  
DOE Sp. z o.o.  
Sibeliusa 3  
81-015 Gdynia, Poland

Tel. +48 58 6643210  
Fax. +48 58 6643737

Email: [doe@doe.pl](mailto:doe@doe.pl)

Visit our web page:  
[www.doe.pl](http://www.doe.pl)

Date of establishment: 1992

All equipment photographs taken by:  
DREAMPHOTO - [www.dreamphoto.pl](http://www.dreamphoto.pl)

**DREAMPHOTO**

*Designed and made in Poland*

## OUR REPRESENTATIVES:

Greece  
NAFPLIAKI LTD  
+30 210 9576474

Norway  
Lars G. Dynna  
+47 95940633

Thailand  
Thai Engineering & Services  
+66 (0)2 328 8734-5

Spain  
NTERBON S.L.  
+34 986 205 712

Singapore  
Aqua Logistics Pte Ltd  
+65 6566 5166  
Chase Resource Management Pte. Ltd.  
+65 6324 5033

USA  
Curtis Cronkhite  
+860 6539461

Italy  
Stelio Bardi SRL  
+39 010 3760 750/800

