

# SHIP

EQUIPMENT

# CATALOG

## 2022



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# WATER TANKS



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 **EURO ELEKTRO**





## ACCESSORIES

- level indication
- water safety valve standard 6 – 10 bar
- manual ball valves
- manual drain valve

## EXECUTION

- body: galvanized steel
- coating: powder painting
- marine certification: DNV, Lloyd, BV



## APPLICATION

- sanitary water hydrophore instalation
- other water's application

## TECHNICAL DESCRIPTION


- designed pressure: 9 bar
- working pressure: 8 bar
- test pressure: 13,5 bar
- galvanized steel: 4–5 mm

TYPE OF TANKS	CAPACITY [L]	DIAMETER [MM]	WEIGHT [KG]
SWHTK 100-09-01	100	460	90
SWHTk 200-09-01	200	510	100
SWHTK 300-09-01	300	610	120
SWHTK 400-09-01	400	710	140
SWHTK 500-09-01	500	710	150
SWHTK 800-09-01	800	810	190
SWHTK 1000-09-01	1000	910	205
SWHTK 1500-09-01	1500	1010	270
SWHTK 2000-09-01	2000	1210	320

# QUICK CLOSING VALVE CABINET



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## CONSTRUCTION

- steel enclosure, wall mounted, door with glass
- bottle 30 bar
- collector 7 bar
- pressure reducer 30/7 bar
- safety valves 30 and 7 bar
- non return valve
- drain valve
- filter
- cut off valves 30 and 7 bar
- pipes and connectors
- hammer for breaking of glass
- operating instruction and name plates
- operating valves for closing of shut off valves on tanks
- pressure gauges for 7 bar and 30 bar pressure in collector and in bottle
- pressure switches for controlling of the pressure in collector and in bottle



## TECHNICAL DATA

- bottle capacity: 10 L
- supply line pressure: 30 bar
- shut off valve lines pressure: 7 bar
- control voltage: 24 V
- colour of cabinet: RAL 7038
- weight: 70 kg

## TECHNICAL DESCRIPTION

Quick Closing Valve Cabinet is provided manually to close fuel oil and lubrication oil shut off valves on tanks during fire and explosive in Engine Room.

## FUNCTIONAL DESCRIPTION

QCV Cabinet is a manually controlled unit, designed for shutting off valves mounted on fuel oil and lubricating oil tank output lines.

# HYDRAULIC QUICK CLOSING VALVE CABINET



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## CONSTRUCTION

- steel enclosure, wall mounted, door with glass
- hydraulic pumps with oil tank
- handle for hydraulic pumps
- pressure reducer 200/6 kg/cm<sup>2</sup>
- pressure gauges for 0–10 kg/cm<sup>2</sup>
  - pressure in collector
- pipes and connectors
- hammer for breaking of glass
- of the pressure in collector and in bottle

## FUNCTIONAL DESCRIPTION

HQCV Cabinet is a manually controlled unit, designed for shutting off valves mounted on fuel oil tanks output lines to diesel engines. The cabinet supplied hydraulic oil 6 kg/cm<sup>2</sup> pressurized by each manual hydraulic pump dedicated to particular cut-off valve clearly described over each pump.




## TECHNICAL DESCRIPTION

Hydraulic Quick Closing Valve Cabinet is provided to close manually fuel oil, shut off valves on tanks and machines during fire and explosive in Engine Room.

# SANITARY WATER ELECTRIC HEATER



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 **EURO ELEKTRO**







## CONSTRUCTION

- steel galvanized 100 – 2000 L tank type: SWEHTK-100-09-01, bottom and wall mounted, equipped with: inspection hatch and fittings
- Electric Control Panel type: SWEHCP-01-01, wall mounted
- pressure gauge
- thermometer
- thermostats
- heating elements 9 kW each
- safety valve 6–10 bar
- ball valves for inlet, outlet and drain

## TECHNICAL DESCRIPTION

Sanitary Water Electric Heater is provided to heat electrically sanitary water for engine room.

- capacity: 100 – 2000 L
- design pressure: 9 bar
- working pressure: 7 bar
- temperature: 60 – 70°C
- voltage: 3~220 – 440 V; 50 – 60 Hz
- power: 3 – 100 kW

## CONTROL BOX EQUIPMENT

Electric equipment according to electric diagram and part list. Implemented apparatus Moeller, Finder and Elhand company.


## FUNCTIONAL DESCRIPTION

SWE Heater is automatically controlled unit, designed for heating sanitary water. The temperature is controlled by 2 thermostats, adjusted 60°C–70°C. The tank is protected from overpressure by safety valve adjusted 6–10 bar.

# SANITARY WATER HYDROPHORE



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 **EURO ELEKTRO**







## CONTROL BOX EQUIPMENT

Electric equipment according to electric diagram and part list. Implemented apparatus Moeller, Finder and Elhand company.

## TECHNICAL DATA

- tank capacity: 100–2000 L
- safety valve opening: 6–10 bar or other
- water max temperature: +50°C
- water pressure (pumps start/stop) 4,5–6,5 bar or other
- voltage: 3~220–440 V; 50–60 Hz
- UV flow 8m3 or other

## CONSTRUCTION

- steel galvanized tank or stainless steel
- pump; mechanical seal; 0–70°C
- Electric Control Panel
- pressure gauges for tank and pumps inlet and outlet
- pressure controller
- tank level gauge
- safety valve
- pipe lines with valves and accessories
- UV Sterilizer

TYPE OF TANKS	CAPACITY [L]	DIAMETER [MM]	WEIGHT [KG]
SWHTk 100-09-01	100	460	90
SWHTk 200-09-01	200	510	100
SWHTk 300-09-01	300	610	120
SWHTk 400-09-01	400	710	140
SWHTk 500-09-01	500	710	150
SWHTk 800-09-01	800	810	190
SWHTk 1000-09-01	1000	910	205
SWHTk 1500-09-01	1500	1010	270
SWHTk 2000-09-01	2000	1210	320

# WATER REHARDENING MINERALIZER



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 **EURO ELEKTRO**







## CONSTRUCTION

- steel galvanized or stainless steel
- tank type bottom mounted
- inspection hatch
- inspection window
- input – output joints
- drain joint

## FUNCTIONAL DESCRIPTION

The mineralizer is designed for mineralizing and rehardening of distillate water produced by Ships Evaporator. The water is mineralized by passing the dolomite and magnesium coarse sand (rehardening coarse sand) located in the tank. Water goes from the bottom up to the top of the mineralizer and taking minerals from the dolomite coarse sand.

## TECHNICAL DATA

- design pressure: 6 bar
- safety valve opening: 3 bar
- temperature: 50 °C
- efficiency: 36–100 m<sup>3</sup>/day
- insertion: dolomite, magnesium or and quartz coarse sand
- flash washing system including

TYPE OF TANKS	CAPACITY [L]
MTk 150-06-01	150
MTk 185-06-01	185
MTk 200-06-01	200
MTk 300-06-01	300
MTk 400-06-01	400
MTk 500-06-01	500
MTk 800-06-01	800
MTk 1000-06-01	1000

# CONTROL AIR TREATMENT UNIT



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 **EURO ELEKTRO**





## FUNCTIONAL DESCRIPTION

CAT Unit is a auto/manually controlled unit, designed for reducing, filtering and draying of the compress air for automation application in Engine Room.



The unit is equipped with two functional lines:

- main line with reducer 30/8 bar, self drying oil filter, self drying air dryer and manually controlled drying filters,
- By-pass with reducer 30/8 bar, manually controlled drying filter.

The by-pass line has to be use only in emergency operation, ore during maintenance on the main line. For this reason keep close by-pass operating valves.

Supply air 30 bar from starting air system is reduced to 8 bar level and delivered via oil filter, air dryer and filters to the compensating tank and to automation distribution system. It is important to check and clean all manually controlled filters ones a week. If the output pressure is different than 8 bar, than adjust it by the screw on the top of air 30/8 bar reducer in both lines and check condition of all filters.

## TECHNICAL DATA

- tank capacity: 120 L
- unit flow: 40 m<sup>3</sup>/h
- supply line pressure: 30 bar
- output pressure: 8 bar
- supply voltage: 230 Vac
- control voltage: 24 Vdc

## CONSTRUCTION

- steel base, bottom mounted
- steel Tank 120 L; 10 bar
- pressure reducers 40/10 bar
- air adsorption dryer
- filters
- operating valves
- pressure gauges for 40 bar – supply pressure
- pressure gauges for 10 bar – outlet pressure in the tank
- pressure switch for controlling of the pressure in the tank
- safety valves 9 bar
- non return valves
- drain valve
- pipes and connectors

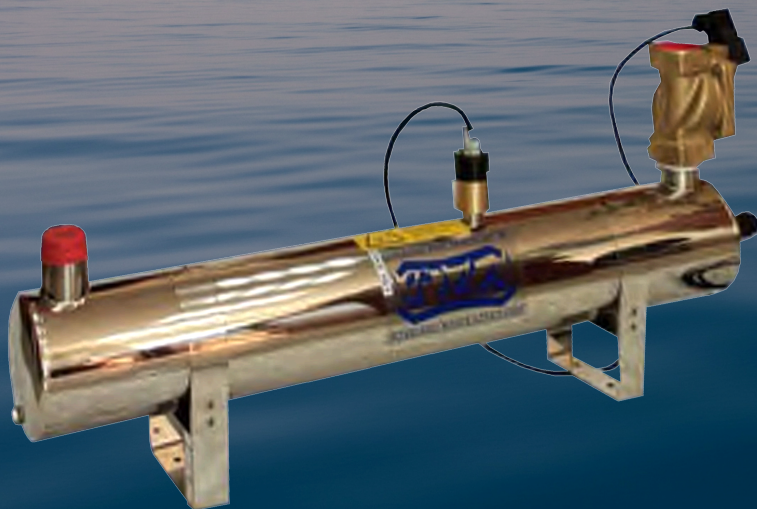
## TECHNICAL DESCRIPTION

Compress Air Treatment Unit is provided for reducing, filtering and drying of the compress air for automation application in Engine Room.






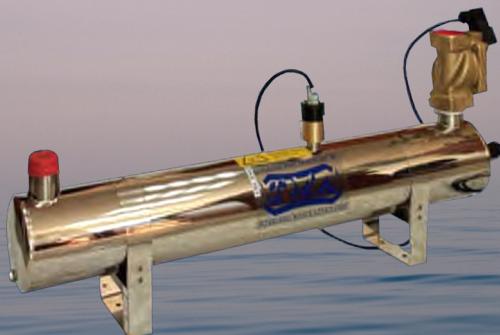
# STERYLIZER UV



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 **EURO ELEKTRO**





## TECHNICAL DESCRIPTION

- flow rate: 9 m<sup>3</sup>/h
- transmission of UV-C
- electric supply: 220 V, 50 Hz/60 Hz
- 1 pc UV 60 W lamp service life 6.000 hours
- working pressure: 10 bar
- test pressure: 15 bar
- pressure loss: 0.1 bar
- working temperature: 5 C to + 45 C
- UV meter controlling the electro-valve

## REFERENCE

- 10.000 pcs units on inland applications
- 20 pcs on ships for ships application

TYPE	V20/ V20LA	V40	V80	V120
L/mm	655	955	955	955
L1/mm	330	530	530	530
S/mm	498	787	787	768
H/mm	240	240	240	240
D	R 1"	R 1 1/2"	R 1 1/2"	R 2"
E/mm	130	130	130	130
E1/mm	60	60	60	60

## CONSTRUCTION

- vertical mounting but working position – any
- stainless steel 316 L body, frame and electric box
- external coatings – powder paint

## SHIPS APPLICATIONS

- constant disinfection and of potable ships water
- cooling water – control of biological growth
- water for air conditioners – control of biological growth

## STANDARD ACCESSORIES

- drinking water approved valve, normally closed
- spare UV lamp and protective tube
- water drain screw

## EUROPEAN CERTIFICATES


- CE according to the directive
- PZH



# PUMP SKID



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 **EURO ELEKTRO**





## **TECHNICAL DATE**

- design pressure to 16 bar

## **FUNCTIONAL DESCRIPTION**

Based on individual client project.

## **CONSTRUCTION**

- steel or stainless steel type
- electric control panel
- circulation and feed pumps
- auxiliary emergency generator
- safety valves
- air/electric control valves
- measuring apparatus



# OIL/GAS FIRED WATER BOILER



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 **EURO ELEKTRO**





### **TECHNICAL DATE**

- design pressure to 6 bar
- temperature to 110 C
- capacity to 17 000 L
- power 50–5000 kW

### **CONSTRUCTION**

- steel or stainless steel type
- bottom mounted
- oil/gas burner
- external coil heating
- electric control panel
- inspection hatches
- circulation pumps
- safety valve
- measuring apparatus

### **FUNCTIONAL DESCRIPTION**

Low temperature oil/ gas fired water boiler KW type is using for supply to central heating system and for prepare hot water for sanitary water system.

Oil/gas burner with automatic regulation system enables to obtain the optimal start-up time and the required operating parameters, as well as to maintain the required water temperature.