



OFFSHORE NITROX/AIR DIVING SYSTEM No. 1

TECHNICAL SPECIFICATIONS:

Certificates:

- PED-DNV certificate
- DMA Diving System Safety Certificate

Diving container TCIU 852742-9:

- 20' DNV –approved container with two double doors at each end.
- Container is insulated with 45 mm glass wool, 40 mm plywood floor covering and 15mm PLYFA fire resistant hard plywood wall panels.
- Container is fitted with water sprinkler system, handheld CO2 fire extinguisher, fire blanket and Dräger fire mask w/7 m air hose for operator.

Power supply/lighting:

- 1 x main power panel
- 1 x 400V outlet
- 4 x Siemens outlet 230V/10A
- 3 x main light 2 x 36W
- 3 x automatic emergency light
- 1 x 30 min UPS backup



Air production:

- 1 x HP air compressor
- 1 x Air cooler
- 1 x Nitrox membrane 400 l/min, up to 40% Nitrox



Air bank:

- Main air supply 5 x 50 l tanks
- Reserve air supply 2 x 50 l tanks
- Nitrox supply 7 x 50 l tank



Diving panel:

- 3 x High pressure inlets with 50 mm pressure gauges
- 2 x Pressure regulators
- 2 x 50 mm diver air pressure gauges
- 1 x Cross over for diver air
- 2 x Pneumo depth gauge, 215 mm with cross over
- 2 x Oxygen analyzer with high/low alarm for measuring diver's gas

Umbilicals:

- 2 units each 150 m consisting of:
 - 3/8" Breather hose
 - 5/16" Pneumo hose
 - 1/2" Hot water hose
 - Coms / light cable
 - Video cable





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Hot Water:

- 2 x Water heaters
- 2 x Hot water pumps
- 2 x Mixer tanks

Diver equipment:

Main diver:

- “Arvest” w/5 l bail-out tank incl. reduction valve and HP gauge
- KM 37 helmet with light and camera
- Hot water suit
- Knife
- Gloves
- Finns
- Neck-dams

Stand by diver:

- “Arvest” w/5 l bail-out tank incl. reduction valve and HP gauge
- KM 47 band mask with light and camera
- Hot water suit
- Knife
- Gloves
- Finns

Diver monitoring equipment:

- Duplex radio for each diver
- Video monitor for each diver
- Hard disc/DVD recorder for each diver
- Adjustable power supply for diver light
- Clock with stop watch function for each diver

External connections/communication:

- 2 x 63A power supply
- 2 x 2” Storz fire hose connection
- 1 x Hard wire communications
- 1 x VHF radio
- 3 x Handheld VHF radio
- 1 x Fire detection and alarm system

