



## J.A. REDERIET

Brå Møllevvej 11 DK 8781 Stenderup Denmark  
Tel. +45 75 65 00 94 Fax. +45 75 65 09 94 e-mail: [ja@jashipping.com](mailto:ja@jashipping.com)  
www.jashipping.com-  J.A. Rederiet



# 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



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