Modular

Saturation Diving System

200 msw ABS class 12-man saturation diving system - built to IMCA D 018 guidelines and audited to IMCA D 024 guidelines

Built to ABS class, the 12-man saturation diving system with compact footprints offers an efficient mobilization on all kinds of offshore vessels like anchored barges and DP 2 vessels. Kreuz Subsea is a contractor member of International Maritime Contractors Association (IMCA) and operates in accordance with IMCA guidelines and codes of practice for offshore diving operations.

Kreuz Subsea diving division has the in-house competency to maintain the systems and proven track record of performing projects with modular diving systems. Capability profile extends to 100 subsea construction projects, 20 clients, 40 different vessels and 10 countries.
SPECIFICATIONS AND PARTICULARS

Depth rating 200 msw
Year of build 2008

MAIN SKID
3-man diving bell, side mating 5.0 cu.m
TUP 5.8 cu.m
9-man living chambers 21.0 cu.m

SATURATION AND DIVE CONTROL
30 ft container
Control for life support for saturation divers
Main chamber + TUP + HRC control panel
Dive control panel
Diver gas reclaim panel
All chambers equipped with internal scrubbers for CO\textsubscript{2} control

HYPERBARIC RESCUE CHAMBER
12-man Hyperbaric Rescue Chamber
Primary launch: Pull off, self powered winch
Secondary launch: Float off

LIFE SUPPORT MACHINERY UNIT
20 ft container
Divers hot water system
Chamber environmental control machinery (2 units)
Air driven gas services
Diver gas reclaim system

HRC FLY AWAY PACK
10 ft container
Hyperbaric rescue container control panel
Environmental control machinery unit

HYDRAULIC POWER PACK
Underwater hydraulic tool umbilical
Hydraulic impact wrench
Underwater hydraulic grinder/cutter
Underwater broco cutting system

STORES CONTAINER/TECH WORKSHOP
20 ft container
Essential spares for saturation diving

DECK/RIGGING STORE
Essential project rigging and tools

HOST POWER AND UTILITY REQUIREMENTS

Electrical supply 440 V, 60 Hz 300 kVA
Industrial air 400 CFM
Seawater 115 liters/minute
Potable water 14 liters/minute
Diesel fuel As needed to run compressor and generator

SYSTEM DIMENSIONS (in mm) & WEIGHTS (in mt)

<table>
<thead>
<tr>
<th>Component</th>
<th>Dimensions</th>
<th>Weight (mt)</th>
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</thead>
<tbody>
<tr>
<td>Main skid</td>
<td>12719 x 3781 x 6501</td>
<td>70.0</td>
</tr>
<tr>
<td>Sat and dive control</td>
<td>7620 x 3048 x 2591</td>
<td>15.0</td>
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<tr>
<td>HRC chamber</td>
<td>7136 x 3100 x 2832</td>
<td>20.0</td>
</tr>
<tr>
<td>Life support machinery unit</td>
<td>6096 x 2438 x 2591</td>
<td>8.5</td>
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<tr>
<td>Stores container</td>
<td>6096 x 2438 x 2591</td>
<td>7.5</td>
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<tr>
<td>Rigging container</td>
<td>6096 x 2438 x 2591</td>
<td>8.0</td>
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<tr>
<td>HRC flyaway pack</td>
<td>3048 x 2438 x 2591</td>
<td>4.0</td>
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<tr>
<td>Umbilical basket</td>
<td>4276 x 2438 x 1276</td>
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<tr>
<td>HRC winch skid</td>
<td>4019 x 1854 x 1395</td>
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<tr>
<td>HRC launch skid</td>
<td>5041 x 2868 x 381</td>
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<tr>
<td>HRC sub skid</td>
<td>3814 x 3704 x 410</td>
<td>1.2</td>
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</tbody>
</table>

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