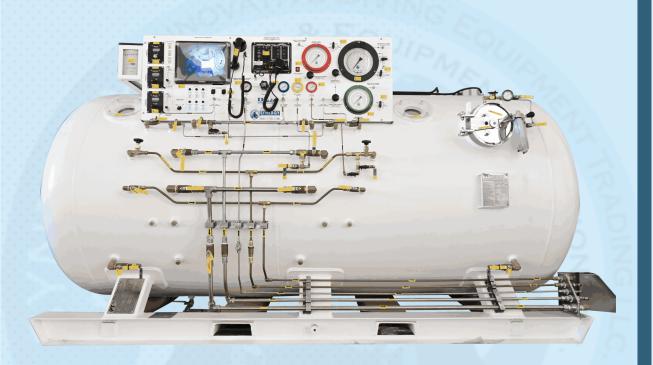


IMCA STANDARD STAND ALONE 60" DIVING DECOMPRESSION CHAMBER # DDC-6



Sr.	Description	Qty
1	1 Diving Decompression Chamber 60"/1500mm diameter, Twin Lock	
	(Entry/main Lock, medical lock), gloss paint finish, fire	
	retardent	
2	Chamber control panel	1
3	Self operational stand alone unit, fully functional to IMCA standards	

























#### IMCA STANDARD STAND ALONE 60" DIVING DECOMPRESSION CHAMBER # DDC-6













## CHAMBER ENTRY LOCK WITH ALL FITOUT AS BELOW





Sr.	Part Number	Description	Qty
1	SY-SP-V	Viewport	1
2	SY-350M-01	Amron avox hyperbaric bibs, dual hose ,350 msw rated	2
3	SY-7140-01	Amron led hyperbaric light unit	1
4	SY-3114	Amron internal talk back speaker	1
5	SY-SPT-550RC	Sound powered phone	1
6		Stainless Steel foldable seats	2
7		Aluminum checkered floor plate	1
8		Drain valve connected with flexible hoses for flushing	1
9		All valves and fittings as required	











## CHAMBER MAIN LOCK WITH ALL FITOUT AS BELOW















## CHAMBER MAIN LOCK WITH ALL FITOUT AS BELOW



Sr.	Part Number	Description	Qty
1	SY-SP-V	Viewport	2
2	SY-SP-VSY-240-FE	Amron Hyperbaric fire extinguisher	1
3	SY-CO2-SCR	Synergy Co2 scrubber unit, 12v, stainless steel	1
4	SY-350M-01	Amron avox hyperbaric bibs, dual hose , 350 msw rated	4
5	SY-7140-01	Amron led hyperbaric light unit	2
6	SY-3114	Amron talk back speaker internal	1
7	SY-CG-230	Internal caisson gauge, 0-230 fsw	1
8	SY-SPT-550RC	Dynalec sound powered phone	1
9	SY-UWC-325/P/E	Internal hyperbaric camera with view of main lock connected to	
		monitor on chamber panel	1
10	SY-EP-4C	Electrical penetration	2
11	SY-FRM	Hyperbaric fire retardant mattress (one for each bed)	
12	SY-FRP	Fire retardant pillows (one for each bed)	1
13		Stainless Steel foldable beds	2
14		Aluminium checkered floor plate	2
15		Drain valve connected with flexible hoses for flushing	2
16		All valves and fittings as required	1
17		Air – all tubing will be stainless steel with brass fittings	1
18		Oxygen- all tubing will be tungum with brass fittings and O2	
		approved Teflon tape	











# CHAMBER MEDICAL LOCK – STAINLESS STEEL WITH AUTOMATIC INTERLOCK







Sr.	Description	
31.	Description	Qty
1	External Medical lock, stainless steel with easy to use handle (for open/ close)	1
2	Internal medical lock door, stainless steel	1
3	Automatic interlock (will lock external door under pressure) (door cannot be	1
	opened when interlock is engaged)	
4	Equilization valve	1
5	Pressure gauge with valve (to show pressure inside medical lock)	1
6	Silencer	1





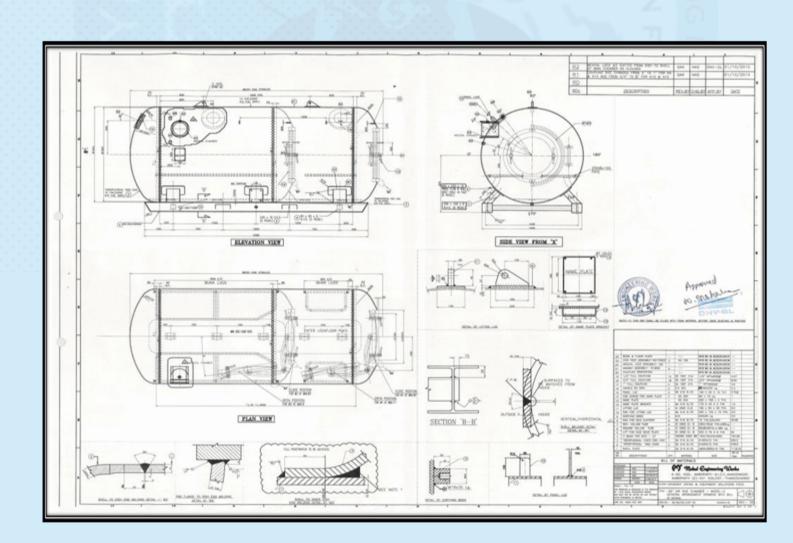






## **CHAMBER SHELL -DESIGN & AS BUILT STANDARDS**

Description
Dnv approved as built drawings
Pneumatic test witnessed / stamped by Dnv
Hydrostatic test witnessed / stamped by Dnv
Design code ASME SEC VIII DIV 1 - PVHO
Data plate stamped by Dnv / stamp on chamber lip along with serial number for identification
Dimensions of the DDC: (LXWXH) – 3796mm X 1500mm X 1687mm
Overall height including lifting eyes - 1798mm
Overall width including control panel – 1500mm
Material boiler steel working pressure – Shell – SA 516 GR.70 / Skid IS2062 GR.B
Test pressure – Hydro – 14.25 KGF / Pneumo – 10.25 KGF
Design Pressure – Internal – 9.5 KGF
Design Code – ASME SEC. VIII DIV-1, 2007 ADD 08 + ASME PVHO-1,2002





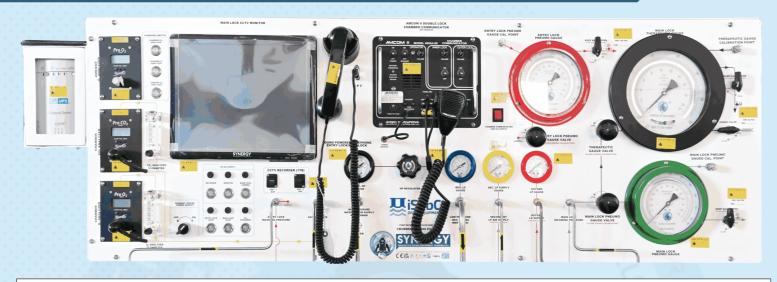








### **CHAMBER CONTROL PANEL - INCLUDING HP MANAGEMENT PANEL**



0-230 fsw/70 msw Depth gauge, 6", 0.25 % accuracy, mirror scale, with calibration point,

Entry lock, Color coded Red



1 x 0-230 fsw/70 msw Depth gauge, 6", 0.25 % accuracy, mirror scale, with calibration point ,

Main lock, Color coded Green



 $1 \times 0-70 \text{ fsw/}21 \text{ msw Depth gauge, } 8.5\text{"}, 0.25 \% \text{ accuracy, mirror scale, with calibration point ,}$ 

Therapeutic, Color coded Black



	D N I	Description	Otre
Sr.	Part Number	Description	Qty
1	SY-PRO-O2	Oxygen analyzer (O2) with high low alarm connected with a	1
		Dwyer VFA 22 BV flow meter to chamber (can read from both	
		entry and main lock by opening valve as required)	
2	SY-PRO-CO2	Carbon dioxide analyzer (CO2) with high alarm connected	1
		with a Dwyer VFA 22 BV flow meter to chamber (can read from	
		both entry and main lock by opening valve as required)	
3	SY-PG-O2-2.5-500	Gauge for oxygen supply to chamber (oxygen approved gauge)	1
4	SY-PG-A-2.5-500	Gauge for low Pressure air supply to chamber	1
5	SY-2820A-02	chamber communicator, Amron (with push to talk	1
		microphone)	
6	SY-873-400	Option 1 Aqua environment high pressure regulator w/gauges	
7	SY-SPT-550RC	Dynalec sound powered phone (connected to entrance/main	1
		lock spt)	
8	SYTRAN220/24/12	(2 x 24v, 2 x 12v, switch for emergency battery power)	1
9	SY-UPS-1500-STD	Power supply to chamber through 1500VA UPS as backup	1
10	All inlet and outlet connections provided on the panel frame itself		











## **CHAMBER CONTROL PANEL HOSE CONNECTION**





Sr.	Description
1	ML/EL Bibs Exhaust
2	Medical Oxygen for Bibs Inlet
3	HP Inlet
4	LP Inlet
5	Chamber Exhaust

## ORDERING INFORMATION

Sr.	Part Number	Description
1	SY-DDC4-D023	STAND ALONG DIVING DECOMPRESSION CHAMBER, FULLY PLUMBED
		INCLUDING PIPING AND ELECTRICALS, READY FOR INSTALLATION ON BOARD
		VESSELS, CONTAINERS OR PURPOSE MADE HOUSINGS

**BESPOKE DESIGNS - ANY CONFIGURATION AS PER CLIENT REQUIREMENT** 







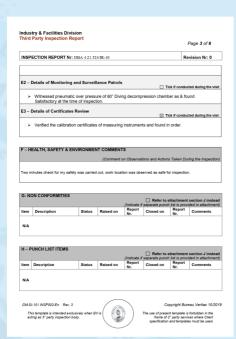




## BUREAU VERITAS CLASS CERTIFICATE PROVIDED WITH EACH DDC

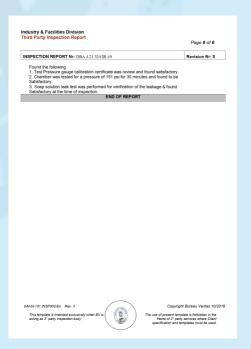














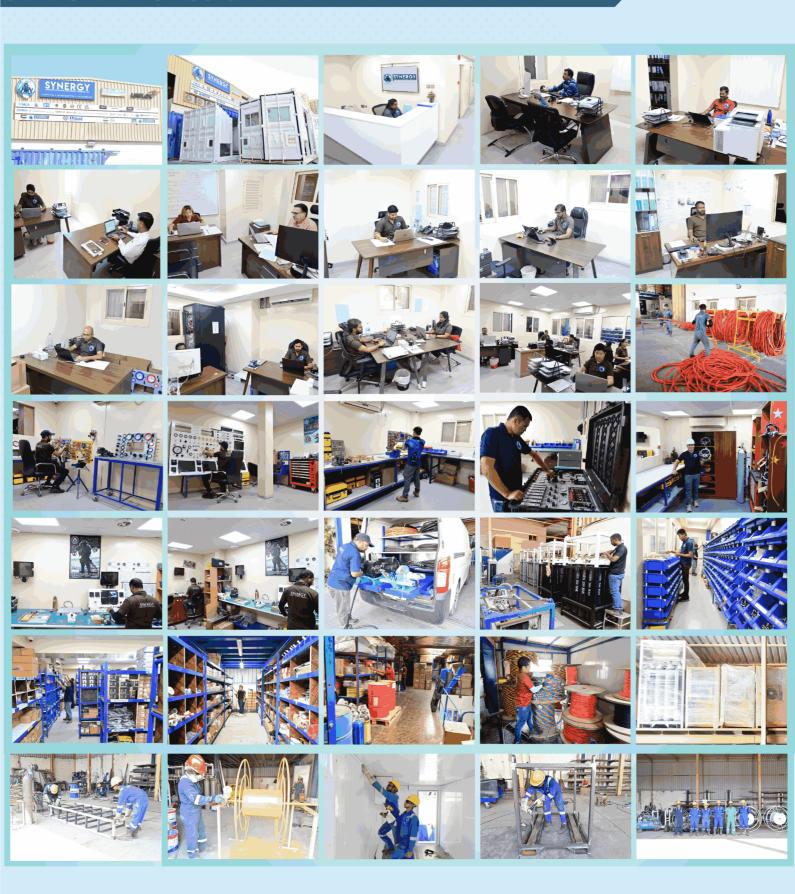








## **SYNERGY INFRASTRUCTURE**



UAE • UK • INDIA • AZERBAIJAN

IMCA STANDARD STAND ALONE 60" DIVING DECOMPRESSION CHAMBER # DDC-6

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