



# SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE • UK



## TWO DIVER PORTABLE PANEL - SY-2DPD040-X-XXX



**PART NO : SY-2DPD040-R-2DV**

Two diver panel with radio and diver 1 / diver 2 cctv system



**PART NO : SY-2DPD040-R-1DV**

Two diver panel with radio and diver 1 system



For more detailed technical data sheets mail us on [ram@synergiequipment.com](mailto:ram@synergiequipment.com)



## BESPOKE DESIGNS TO SUIT EVERY CLIENT REQUIREMENT



**PART NO : SY-2DP-INSHORE**

Two diver panel for inshore use



**PART NO : SY-2DPD040**

Two diver panel offshore



**PART NO : SY-2DPD040-R**

Two diver panel with radio



**PART NO : SY-2DPD040-R-1DV**

Two diver panel with radio and diver 1 cctv





## OUTLAND VIDEO CAMERA / LIGHTS / UMBILICALS



**PART NO : SY-UWC-325/p/e**



**PART NO : SY-UWL-401**



**PART NO : SY-VC-150M**

## SYNERGY PIGTAILS AND CONNECTORS

**PART NO : SY-RMG-3FS**



Locking sleeve for Rmg-3-fs

**PART NO : SY-G-FLS-D**



**PART NO : SY-RMK-5-FS**



Locking sleeve for Rmk-5-fs

**PART NO : SY-K-FLS-D**



**PART NO : SY-CLBRK**



**PART NO : SY-MS3108B-18-08P**



# CLASS WITNESS CERTIFICATES

**Industry & Facilities Division**  
Third Party Inspection Report

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INSPECTION REPORT No: DSA.4.2017.0138.01 Revision No: 0

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Inspection requested by: M.A. Synergie Diving and Equipment Solutions PSC

Inspection performed on: Triton 362

Project Third party Inspection Services: BV Ref: 01494004/0138/01 DSA (B) Internal/2017

BY Client: M.A. Synergie Diving and Equipment Solutions PSC

Manufacturer/Model: M/A Synergie Diving and Equipment Solutions PSC

Sub-Product: (Manufacturer) M/A

Inspection Location: Dubai, United Arab Emirates

Inspection performed on: 14.06.2020

Previous Inspection: (Certificate No.) N/A

Next Inspection: (Frequency) 12M

ITEM / TAG No	QTY As per P/O	QTY Closed by Inspector	
Two Driver Panel - Pressure Test Inspection	Triton 362	01	01

**A - INSPECTION RESULT**

Satisfactory (Without comments)  Satisfactory with comments (Any of following Pass or Non Conformity items in NR listed)

Not Satisfactory (NR raised during the inspection)

**Inspection Summary:** (For details refer to section 5)

- At the request of the SYNERGY INNOVATIVE DIVING EQUIPMENT TRADING WITNESS for the Driver Panel Pneumatic testing was carried out at Synergie 401 Quays at Jumeirah 14th June 2020 and results were found satisfactory.
- High Pressure Leak test carried out @ 5100 psi and low pressure @ 500 psi - serial no: TRITON 362

**Open Non Conformities:**

Open Non Conformity	Yes	No
Yield Strength Exceeded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yield Tensile Exceeded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yield Elongation Exceeded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Yield Elongation Exceeded	<input type="checkbox"/>	<input checked="" type="checkbox"/>

BY: Inspected by: **Shaykh**  Yes  No

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INSPECTION REPORT No: DSA.4.2017.0138.01 Revision No: 0

BY Inspector: **Vikas Rai**

BY Client: **Dubai**

Inspection Report Date: **14.06.2020**

Attachments Report:  Yes (check in section 2)  No

**B - REFERENCE DOCUMENTATION**

Title	Reference No	Rev.	Approval status	Approved by	Date
Diving Equipment Forum	BS21, 2014	01	As Final	Synergie	July 2014
Pressure Vessel Design Handbook	BS21, 2014	01	As Final	Synergie	July 2014

**C - ATTENANCE**

Name	Position	Representing
Mr. Vikas Rai	Mechanical Inspector	Bureau Veritas
Mr. Ajay Sridharan	QC Engineer	Shaykh Diving and Equipment

**D - MEASURING & TESTING EQUIPMENT USED**

Equipment Type	Equipment Identity #	Last Calibration Date	Expiry Date
Digital Pressure Gauge	92242	30.11.2019	30.11.2020
Digital Pressure Gauge	AG-252955F	31.01.2020	31.01.2021

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**E - INSPECTION DETAILS**

**E1 - Details of Witness (W) & Issue (I) Inspection Plans**

- Pneumatic test was witnessed by TRITON 362 for High Pressure @ 5100 PSI.
- Pneumatic test was witnessed by TRITON 362 for Low Pressure @ 500 PSI.
- Verification of Calibration Certificate for the measuring instruments and pressure gauges were found in order.

**E2 - Details of Monitoring and Surveillance Plans**

- Visual inspection of two Driver panel was inspected and found satisfactory at the time of inspection.
- Verification of serial number TRITON 362 was visually inspected to be okay.
- Pneumatic test was witnessed over two-hour period and no pressure drop or leakage was observed and found satisfactory.
- Verification of calibration certificates for the measuring instruments were found in order.

**E3 - Details of Certificate Review**

- Calibration certificates of all measuring instruments used were verified and found okay.

**F - HEALTH, SAFETY & ENVIRONMENT COMMENTS**  
(Comment on Observations and Actions Taken During the Inspection)

Take proper safety precautions during inspection period and found satisfactory.

**G - NON CONFORMITIES**

Item	Description	Status	Revised on	Revised by	Closed on	Comments
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**H - PUNCH LIST ITEMS**

Item	Description	Status	Revised on	Revised by	Closed on	Comments
Nil						

**I - DIGITAL PICTURES**

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**J - ATTACHMENTS**

Item	Attachment Name	Total Pages	Description
1	Drinks Safety Checklist	01	Diving Checklist
2	Checklist - Working Air Record	01	Working Air Record
3	Calibration certificate	02	Cal. Certificate for gauges

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**ANNEXURE**

**Inspection Details: TRITON 362 Two Driver Panel**

- Witnessed Two driver Panel - Pressure Test with following details:
- Description: Two driver Panel
- Country of Origin: UAE
- Manufacturer Serial No: TRITON 362
- Year of Manufacture: Year 2020
- Design Pressure: LP 500psi / HP 5000 psi
- Test Pressure: LP 5100 psi / HP 5100 psi
- Date of Witness for Pneumatic Test: 14.06.2020

**Pneumatic Test Details**

- Pneumatic pressure test of Two Driver panels (Serial No: TRITON 362) was witnessed as per the approved procedure.
- High pressure supplied to the panel was 5100 psi design pressure being 5000 psi
- Low pressure supplied to the panel was 5100 psi design pressure being 500 psi
- Over Pressure on the panel was held for 30 mins duration, observing no pressure drop or leakage and hence found satisfactory.
- Soap Solution leak test was performed on fittings, valves and piping showing no indications of leakage and hence found satisfactory.

**END OF REPORT**

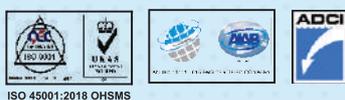
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## Certifications

## Provided with each panel

Manufacturer	Synergie certification
International	IMCA D040
Class	Bureau Veritas pressure test certificates
Warranty	1 year international manufacturer warranty
Weight	46 kg





## TWO DIVER SCUBA REPLACEMENT PACKAGE (SRP) # SY-2D-D040SRP-X-XXX

### ORDERING INFORMATION

Sr.	Part Number	Description
1	SY-2D-D040SRP-X-XXX	Two diver scuba replacement panel with ss frame, emergency panel, 4 x breathing air cylinders, all plumbing with fittings , valves, hoses to connect from cylinders to diving panel (diving panel not included, please choose from panel options below)

Sr.	Part Number	Description
1	SY-2DP-INSHORE	Portable two diver panel, inshore use only
2	SY-2DPD040	Portable two diver panel, offshore, imca (no radio, no diver cctv)
3	SY-2DPD040-R	Portable two diver panel, offshore, imca with radio (no diver cctv)
4	SY-2DPD040-R-1DV	Portable two diver panel , offshore, imca with radio and diver 1 cctv
5	SY-2DPD040-R-2DV	Portable two diver panel, offshore, imca with radio and diver 1/diver 2 cctv

Sr.	Part Number	Description
1	SY-2820A-11	Amcom ii two-diver rechargeable basic portable communicator
2	SY-UDA-0204	4 core Umbilical air/gas, pneumo, communication and video cables
3	SY-UDA-0103	3 core Umbilical air/gas, pneumo, communication
	<b>Fittings as below</b>	
4	SY-386-PB-AIR	3/8"x 6 jic phosphor bronze reusable umbilical air/gas hose end fitting
5	SY-144-PB-PNEUMO	1/4" x 4 jic phosphor bronze reusable umbilical pneumo end fitting
6	SY-RMG-3-FS	Marsh marine, 3 pin, Female, 18"
7	SY-BANPLUGS-TWIN	Twin banana plugs surface communication end fitting (Red/Black)
8	SY-RMK-5-FS	Marsh marine, 5 pin, female, 18"
9	SY-K-FLS-D	Locking sleeve, delrin , for RMK-5-FS
10	SY-RMG-3-FS	Marsh mkarine, 3 pin, female, 18"
11	SY-G-FLS-D	Locking sleeve, delrin, for RMG-3-FS
12	SY- MS3108B-18-08P	Cannon right angle amphenol connector is used for connecting the Surface end of the video camera umbilical to the surface video console unit

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

## SYNERGY INFRASTRUCTURE





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ISO 45001:2018 OHSMS



For more detailed technical data sheets mail us on [ram@synergiequipment.com](mailto:ram@synergiequipment.com)

## TWO DIVER PORTABLE PANEL - SY-2DPD040-X-XXX

### Contact us

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