

Peter J. Smyly

Member Number: 448768

PADI Rating:

Divemaster
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Authorized to Teach:



Renewed:



Expires: 31 Dec 2020



JAMES SMYLY

**SPECIALTY COURSE:
First Aid, CPR, O2**

DATE: 14 Aug 2019

PRO: Robyn Williams - 54756

DC: Pisces Diving

ID: 772232A5659823170662-ZA



This card is to certify that the person has satisfactorily finished an Emergency Training program. This card does not represent a scuba diving certification.

**This Certification
expires on
14 Aug 2021**

**Online
Diver Verification:
divessi.com/dv/2680905**



SSI INTERNATIONAL - DIVESSI.COM

Recreational Scuba - Extended Range - Rebreather - Freediving - Snorkeling - Swim



SEA - LEVEL 1 SERVICE TECHNICIAN
SERVICING GUIDELINES

STEP 1: Test the equipment before stripping it

- REGULATOR:
- i) Interstage pressure OK (between 9 and 10bar on a full cylinder)
 - ii) No air leaks out
 - iii) No leaks in on 2nd stage - Vacuum test
 - iv) Constant contact between Diaphragm & Demand Lever
- BCD:
- i) No self inflation from inflator
 - ii) No air leaks from air cell, inflator or hoses
 - iii) Dump valves operational
- GAUGES:
- i) No air leaks
 - ii) Depth and pressure gauges start on zero

STEP 2: Strip & Clean

- i) Warm soapy water: All components
- ii) Acid bath: Only metal components
Diluted Hydrochloric acid (Pool acid)
10% acid, 90% water (Add acid to water!)
5 - 10 minutes only
- iii) Rinse in fresh water: All components
- iv) Dry: All components

STEP 3: Re-assemble

- i) Replace Dynamic o-rings, seats & filters
- ii) Lubricate o-rings, threads and internal surfaces (Silicone grease up to 40% O2)
- iii) Do NOT lubricate diaphragms, filters, lock nuts, exhaust valves
- iv) Tighten to specification

STEP 4: Set

- 1st STAGE
- i) Interstage pressure on 9.5 bar at 200 bar cylinder pressure (between 9 & 10 bar)
 - ii) Interstage pressure creep less than 0.5 bar
- 2nd STAGE
- i) Spring tension - poppet stem just past flush with locking nut (half thread showing)
 - ii) Orifice turned in until leak stops but...
 - iii) Maintain contact between Diaphragm and Demand Lever

STEP 5: Re-Test as per Step 1

Tools

- 6mm sockets & 5.5mm sockets
- reg servicing tool (with thread) 38716 CNF
- 6mm Allan Key
- diff. size pegs
- 4mm allen key
- toothbrush x 2 (1 for soap, 1 for acid)
- sealable container
- blow gun + earbuds + tissue paper
- Schrader valve tool
- good quality paint
- #12 spanner
- chopstick

Filter in first stage

- green = water in
- brown = rust in cylinder
- black = oil in (change filter in comp)