Seamless Gas Cylinders taken under water

Note: This category includes bail-out bottles, BCD inflation bottles, cylinders fitted to baskets/wet bells/externally on closed bells plus filter housings and any other small pressure vessels taken under water to any appreciable depth
If the cylinders are composite material use detail sheet 10.2

When new

Examination/Test	Category of Competent Person
Manufactured in accordance with a recognised international code or standard and fit for the purpose it will be used for	3 or 4

When in service

Examination/Test	Validity Period	Category of Competent Person
External visual examination	6 months	1, 2, 3 or 4
In addition, bail out bottles and suit/BCD inflation bottles should also have an internal visual examination	6 months	2 or 4
Thorough internal and external visual examination and gas leak test to maximum working pressure. If the competent person deems it necessary, a hydraulic overpressure test may be required	2 years	3 or 4
Hydraulic overpressure test to 1.5 times maximum working pressure (or the factor required by the design code or standard if different) plus the 2 yearly tests above	4 years	3 or 4

Reference:

- AODC 037 – *Periodic examination of bail-out bottles*

Note:

- In many countries there are detailed national regulations concerning gas cylinders, particularly if these are transportable. Such regulations must be complied with, even if they conflict with or are more onerous than the recommendations given above.
- Some national regulations, certifying authorities or gas cylinder codes may give no option but to apply hydraulic overpressure testing.
- If a hydraulic test has been carried out, it is important that confirmation is received that all moisture has been removed prior to the unit being put back in service.
- In all types of overpressure testing suitable safety precautions must be taken to ensure the safety of all testing personnel and others.
- The most recent test of the cylinder must be within two years previous to it being put to use under water.