



Military & Professional

MILITARY TECHNICAL BULLETIN

SUBJECT: Hydrostatic Testing of Cylinders for Egress Systems & BC's

- **Affected Units: Egress Systems and BC's with DOT 3AL Cylinders (1.5 cu. ft., 2.0 cu. ft. & 2.5 cu. ft.)**
- **Problem: Requirement for 5 year Hydrostatic Testing**

SITUATION

It has come to Aqua Lung's attention that there is some question about the requirement for hydrostatically testing egress system DOT 3AL cylinders every 5 years. All DOT 3AL cylinders require annual visual inspection and hydrostatic testing every 5 years with few exceptions (*See exceptions below*). As always, local command directives take precedence over manufacturers recommendations.

VISUAL INSPECTION

Aqua Lung recommends performing an annual visual inspection of the cylinder according to local regulations or to Compressed Gas Association (CGA) standards. These standards are found in CGA pamphlet CGA C-6.1-2013, "STANDARDS FOR VISUAL INSPECTION OF HIGH PRESSURE ALUMINUM COMPRESSED GAS CYLINDERS".

HYDROSTATIC TESTING

Aqua Lung recommends following the DOT regulation as these cylinders fall under the Table 1 exemption for diameter and length. This recommendation is in accordance with the Department Of Transportation (DOT) Title 49 CFR 180.205 Qualification, maintenance and use of cylinders, Table "Retest and Inspection of Cylinders", ***Any cylinder not exceeding two inches outside diameter and less than two feet in length is exempted from hydrostatic retest.***

If you have any questions, please contact our Military Product Manager at 760-597-5048 sreilly@aqualung.com Your cooperation is much appreciated.

| Key # | Aqua Lung Part # | Air Volume cu/ft | Outside Dia. in. | Length in. |
|-------|------------------|------------------|------------------|------------|
| 1 | 079104 | 1.5 | 1.99 | 7.33 |
| 2 | 079109 | 1.5 | 1.99 | 7.33 |
| 3 | 079105 | 1.5 | 1.99 | 7.33 |
| 4 | 079120 | 2.0 | 1.99 | 9.25 |
| 5 | 079103 | 2.5 | 1.99 | 11.38 |

NOTE: *The Aqua Lung cylinders listed above do not require hydrostatic retest.*

