



PERFORMANCE TEST ANALYSIS FOR BASIC HELIUM REGULATOR/BALLOON INFLATOR

WP: 230 BAR (g) 4350 PSIG **TYPE:** PRIMARY HELIUM **STYLE:** BALLOON INFLATOR

The above referenced devices have been tested in July of 2012 in accordance with the Compressed Gas Association (CGA) Standards and Specifications:

**E-4 Standard for Gas Pressure Regulators
Edition 6 November, 2010
Equipment: Regulators & Hose Lines**

Section 7.3

Excess Pressure Pneumatic Test

Baseline temperature of 28°c / 82°f

5 minutes @ 4005 PSIG

No visible deformation or leakage detected.

5 minutes @ 5005 PSIG

No visible deformation or leakage detected.

5 minutes @ 7525 PSIG

No visible deformation or leakage detected.

Section 7.3.1

Proof Pressure Pneumatic Test

Baseline temperature of 15°c / 59°f

5 minutes @ 6573 PSIG

No visible deformation or leakage detected.

Section 7.3.2

Burst Pressure Hydrostatic Test

Baseline temperature of 21°c / 70°f

5 minutes @ 13050 PSIG

No visible deformation or leakage detected.

5 minutes @ 14430 PSIG

Leakage at O-ring.

5 minutes @ 17000 PSIG

Failure produced leakage at inlet nipple due to thread expansion.

This Declaration of Conformity serves to insure that the equipment specified above conforms to the test standard(s) and directive(s) as set forth by the CGA Section E-4.

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