



TECHNICAL SPECIFICATIONS FOR 230 BAR BASIC HELIUM REGULATOR/BALLOON INFLATOR

WP: 230 BAR (g)

TYPE: HELIUM

STYLE: BALLOON INFLATOR

Material of Construction:

- Brass 360 ½ Hard
- Free Machining per following specifications:
UNS-C36000, SAE – CA360, HOZ, ASTM-B-16

Typical Chemistry:

- Copper 60.00/63.00%
- Lead 2.5/3.70%
- Iron 0.35 Max. %
- Zinc Remainder

Typical Mechanicals:

Note: These figures are ranges taken from published standards. Certifications of specific material shipments are available upon request.

<u>Diameter In Inches</u>	<u>Minimum Yield Point – PSI</u>	<u>Minimum Tensile Strength – PSI</u>	<u>Minimum % Elongation</u>
0.500 – 1.00	28,000	58,000	10
1.001 – 2.00	20,000	50,000	15

Performance:

Cylinder Valve

Connector Specification:

- DIN 477-6

Inlet Pressure:

- Primary- 230 BAR (g) @ 15° c / 59° f
- Max- 300 BAR (g) @ 65° c / 149° f

Foil Outlet Pressure:

- 18" of Water 0.0448 BAR (g)
(This pressure is factory set and cannot be adjusted by end user)

Flow Rate:

- 22 SCFM

Thread Connections:

- Key thread connections have tapered threads and are sealed with Loctite No. 609. Teflon tape is used on secondary port connections.

Pressure Gauge:

- 0-4,000 CBM

Parent Performance Testing:

- All regulator assemblies are 100% performance and leak-check tested prior to shipping and comply with CGA Section E-4 (7.3, 7.3.1, 7.3.2).

Parent Safety Features:

- The **FLO-LOC** which is incorporated in the inlet nipple of all Conwin balloon inflators is an emergency high-velocity gas flow reduction device that is activated if the balloon inflator is damaged while under pressure. For instance, if a cylinder falls over causing inflator damage the **FLO-LOC** will automatically reduce the helium flow to a harmless low-velocity level preventing the cylinder from pin-wheeling or injuring the user or others.

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.

Conwin, Inc. Los Angeles, Ca.

Al Wing

Chief Engineer

Aaron Fisher

Director of Operations