

SGS Class 3 Gas Lift Compliance Statement

We at Red Magma Office Furniture Trading, we prioritize safety, durability, and compliance with international standards in all our products. This document certifies that the gas lifts used in our office chairs have been tested and certified by SGS, ensuring compliance with ANSI/BIFMA X5.1-2017 standards.

Certification Details

Certificate Type: SGS Class 3 Gas Lift Certification

Issuing Authority: SGS

Certificate Reference: SDHL2103002890FT

Scope: Performance and durability testing of gas spring mechanisms for office chairs.

Product Coverage

The following chair models utilize this certified gas lift component:

- **ValueFlex Series**
- **ErgoFlex Series**
- **EcoFlex Series**
- **Connect Series**

These models ensure safe, long-lasting performance with the SGS Class 3 Gas Lift, providing smooth height adjustments and enhanced user comfort.

Tests Conducted & Results

The SGS Class 3 Gas Lift underwent multiple tests according to ANSI/BIFMA X5.1-2017 standards for General-Purpose Office Chairs. All tests were passed, ensuring compliance with industry standards.

Key Test Results

- **Backrest Strength Test (Static – Type I & II):**
 - **Functional Load Test:** Applied 667 N (150 lbf.) for 1 minute → PASS
 - **Proof Load Test:** Applied 1001 N (225 lbf.) for 1 minute → PASS
- **Drop Test (Dynamic):**
 - **Functional Load Test:** A 102 kg (225 lb.) weight dropped from 152 mm (6 in.) → PASS
 - **Proof Load Test:** A 136 kg (300 lb.) weight dropped from 152 mm (6 in.) → PASS
- **Seating Durability Test:** Tested with a 57 kg (125 lb.) bag for 100,000 cycles → PASS

This certification confirms the gas lift's durability, strength, and reliability for daily office chair usage.

Benefits of Certification

By using SGS Class 3 Gas Lift components, our products offer:

- **Enhanced Safety:** Compliant with international safety standards.
- **High Durability:** Proven through extensive testing.
- **Smooth Performance:** Reliable height adjustments for user comfort.
- **Long-Term Usability:** 100,000-cycle durability tested.

A copy of the original certificate is available upon request or can be verified through the certifying body. For more details, please reach out to us.



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