



*Innovation. Experience. Performance.®*

## **Intended Use of Chart Industries HALT/HASS REAL Series Chambers**

Chart Industries HALT/HASS chambers are designed to be used for both HALT and HASS testing applications. These tests are typically characterized with very fast thermal ramp rates and dwells long enough for the unit under test to reach the desired set-point. The intended use of Chart Industries HALT/HASS chambers is to uncover design and/or process weaknesses in the unit under test. Chart chambers are not intended for life testing of a product.

**Temperature Limits** - Chart Industries chambers are designed for use within their entire operating range of -100°C to +200°C for HALT/HASS applications ONLY. Therefore, extended thermal dwells at extreme temperature for longer than three (3) hours may cause chamber stress and cause premature wear to chamber components.

**Vibration Limits** - Chart Industries vibration tables are designed for use from 1Grms to 60Grms. Vibration levels can be affected by extended thermal dwells and extreme temperatures lasting longer than three hours. Additionally, failure to properly condition the vibration air supply may lead to hammer wear. Please review Chart's Site Preparation Manual for detailed utilities requirements.

Operation of a Chart Industries HALT/HASS chamber inconsistent from its intended use, or failure to maintain the chamber and its utility supplies may cause undue wear to chamber components and hence voiding the warranty. Please contact Chart Industries with any questions regarding intended use.