

## Instructions for use of Stainless Steel Kegs

### INTENDED USE

The keg is a beverage container according to DIN 6647 (e.g. for beer, wine, ...) whose high-quality materials have been specially selected for this purpose. The robust container is made of stainless steel 1.4301 / ASI 304. The stainless steel container ensures stable food suitability due to the hermetically sealed system.

### AREA OF APPLICATION

The keg is suitable for filling with beverages according to DIN 6647. With proper cleaning and maintenance, many years of reusable use is guaranteed.

### SAFETY INSTRUCTIONS



The body of the keg is made of high quality stainless steel. Corrosion resistance is guaranteed when used or stored as intended. Avoid contact with chlorine concentrate, acids or other aggressive chemicals / substances / salts and storage near rusting objects.



When cleaning the outside of a keg with color ring / screen printing, please observe the following points:

- Cleaning liquid: water with 0.5 to max. 1% sodium hydroxide added,
- Temperature of cleaning liquid: maximum 60°C (140°F),
- Temperature during clear rinsing: maximum 80°C (176 °F),
- Pressure at cleaning nozzles: maximum 6 bar (87.02 psi),
- any proportion of surfactants, use of chlorine to be avoided,
- The use of brushes is to be deactivated.

Basically, the kegs are designed for the common washing/cleaning processes. After heating by steaming, kegs with color rings or screen printing may not exceed an

temperature of 100°C (212 °F ) after heating by vapor deposition, and must first cool down before they are subjected to mechanical stress by carriers, brushes, etc..

This is the only way to ensure the consistency and adhesion of the color to the stainless steel.



**Provisions for good light fastness of the printing:**

- The color shades of silk screen printing are produced with pigments. We recommend choosing color with particularly lightfast pigments (6-8 according to Wool Scale DIN 53952). The lightfastness factor of printing color is defined with the Wool Scale (WS) DIN 53952. The following property words & scales are valid industry wide. The values in parentheses indicate approximately how many days the printing can be used in daylight without noticeable fading.

- WS 8: excellent (700 days)
- WS 7: excellent (350 days)
- WS 6: very good (160 days)
- WS 5: good (80 days)
- WS 4: fairly good (40 days)
- WS 3: moderate (20 days)
- WS 2: low (10 days)
- WS 1: very low (5 days)

S = wool scale / WS 1 has a very low & WS 8 a very high light fastness. Especially in the red and yellow color range (WS2-3) color changes become visible first.



Direct sunlight can cause hydraulic expansion of the beverage in the keg when it is full. We therefore recommend allowing for sufficient expansion space (headspace) in the form of CO<sub>2</sub> when filling in order to avoid permanent plastic deformation of the keg, damage to the fitting and even the opening of the safety rupture disk.



In case of necessary fitting replacement, make sure that only the BLEFA tool intended for this purpose is used and that the counter-hold is created only by completely embracing the keg body. This disassembly must be carried out at room temperature ( $\pm 10^{\circ}\text{C}$ ) and only with original parts and in compliance with the fitting manufacturer's instructions. We therefore recommend using a trained and qualified GNKS specialist company (Global Network Keg Services [www.gnks.info](http://www.gnks.info)).

**TECHNICAL DATA**

- Maximum working pressure: see embossing on the keg
- Volume: see embossing on the keg
- Weight: see embossing on the keg
- Short-term temperature exposure (max.30sec.):  $+110^{\circ}\text{C}$  /  $230^{\circ}\text{F}$  > Steam application for disinfection. (For printed kegs, see notes above).
- Longer-term temperature stress:  $+1^{\circ}\text{C}$  /  $34^{\circ}\text{F}$  to  $+50^{\circ}\text{C}$  /  $122^{\circ}\text{F}$ .