

## IATA Special Provision A114

UN 3164 Articles, pressurized pneumatic. Special Provision A114

Articles, containing gas intended to function as shock absorbers, including impact energy absorbing devices or pneumatic springs are not subject to these Regulations if compliance with the following is achieved.

- (a) each article has a gas space capacity not exceeding 1.6 L and a charge pressure not exceeding 280 bar where the product of the capacity (litres) and charge pressure (bars) does not exceed 80 (i.e. 0.5 L gas space and 160 bar charge pressure, 1 L gas space and 80 bar charge pressure, 1.6 L gas space and 80 bar charge pressure, 1.6 L gas space and 50 bar charge pressure, 0.28 L gas space and 280 bar charge pressure);
- (b) each article has a minimum burst pressure of 4 times the charge pressure at 20°C for products not exceeding 0.5 L gas space capacity and 5 times charge pressure for products greater than 0.5 L gas space capacity;
- (c) each article is manufactured from material which will not fragment upon rupture;
- (d) each article is manufactured in accordance with a quality assurance standard acceptable to the appropriate authority; and
- (e) the design type has been subjected to a fire test demonstrating that pressure in the article is relieved, by means of a fire degradable seal or other pressure relief device such that the article will not fragment and the article does not rocket.

STATEMENT to be completed by manufacturer:

**(a) Gas Space Capacity.**

Enter information.

a-1 Gas space capacity (litres) 气体空间容量(升)	0.05
a-2 Charge pressure (bar) 压强 (帕)	50
a-3 Gas Capacity (a-1) multiplied by Charge Pressure (a-2) * 气 体空间容量(升)乘以压强 (帕)	3

\*Must not exceed 80 Bar

**(b) Charge pressure at 20°C. (delete as appropriate)**

a-3 not exceeding 0.5 L a-3 不超过 0.5 升	Must be 4 times a-2
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**(c) Pressurized device material.**

State material: 管材	Φ 28*T2.5 * L222mm
State material strength: 管材长度	

**(d) Manufacture Quality Assurance Standard (Quality Management System)**

State Quality Assurance Standard: 国家质 检标准	GB/T25750-2010
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**(e) Fire Test**

Fire Test carried out: (delete as appropriate)	Yes	
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Statement authorised by:

Signature: 签名 	Company stamp: 公司名称 广东顺德悦强气弹簧制造有限公司 Guangdong Shunde Yueqiang Gas Spring Manufacturing Co., Ltd. Date: 2020 / 7 /29 日期
Print name and Position: 姓名和职位	齐维新 / 工程师 Qi Weixin, Engineer