

# news 2017



## LPG ABS & NYLON GUARD



patented by bripac

**dwg.BB.20**

Standards ISO 11117:2008 TC/DOT:2007  
for cylinders up to 50 kg.

Made in Italy

CREATING INNOVATIVE  
EUROPEAN SOLUTIONS

### SOLUTION

120 grams

#### OPPORTUNITY IDENTIFICATION

##### EUROPEAN NEED

The opportunity to standardize the old guards in steel  
*too heavy-800 grams*  
with new material, Nylon

#### PROCESS ANALYSIS

##### PRODUCTIVITY

800 grams steel

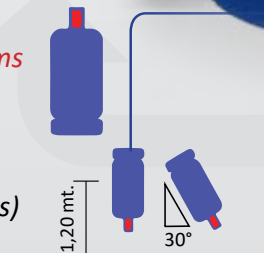


#### TEST DESIGN

##### STANDARDS

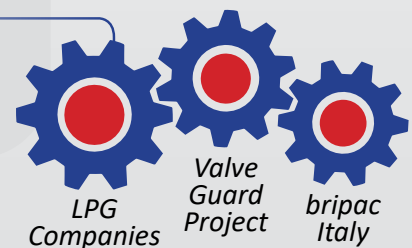
##### LPG Guard

- NYLON weight 120 grams
- ISO 11117:2008 cylinder up to 50 kg
- vertical drop test
- inclined drop test at 30°
- axial test 288 kg (4 times)
- axial test handle 100 kg



#### INNOVATIVE SOLUTION DESIGN

##### COLLABORATION



**LIGHT**



Range of temperature  
**-40° +80°**

**Easy assembly**



**Anti-theft products**

**Different RAL Colours**



Filling Station **Productivity**  
Improvement

Pad printing **Flame, LOGO**  
and/or **Instruction** for use



Traditional LPG cylinder guard  
**Cost Reduction**

**Thread 66x2,5S.I. or 68x3S.I.**



**European Price Agreement**

**European Standardized Design**



**No rust**

