

# Cartridges CO<sup>2</sup> / 50°C

Technical File  
T02507

## CARDE501000

### Description - General information

Single use Pneumatic Safety Circuits (P.S.C.).

After impact, the cartridge releases its entire contents ensuring the activation of one or more Smoke and Heat Exhaust Ventilator (SHEV) systems.

The cartridges of compressed CO<sup>2</sup> have been designated as "CO<sup>2</sup> bottles for single use" in the NF EN 12101-10 norm. They meet norm NF S 61-939 and norm NF EN 12205.



### Technical Characteristics

Material : Steel resistant at 528 bar.  
 Protection : Paint: RAL7037.  
 Seal : Breaking under a pressure of between 350 and 450 bar.  
 Threading : 15 x 125.  
 Content : CO<sup>2</sup>.  
 Temperature during use : + 50°C maximum  
 Identification : Engraving and labelling.  
 Charge rate : 0.75  
 Grammage : 1000 g.  
 Precautions : Stock and install away from bad weather conditions.

Reference	Mass CO <sup>2</sup>	Length L ± 5 mm	Ø
CARDE501000	1000 g.	395	84



### Marking information

- Manufacture date : Engraved on metal  
Ex : 2015/06  
 - Manufacturing lot : Laser marking  
Ex : 3744954

VOLUMES RELEASED BY THE CO <sup>2</sup> CARTRIDGES in litres	
PRESSURE in bar	1000 g CO <sup>2</sup> WITH PLUNGER TUBE
25	15.16
22	18.13
20	20.77
18	23.92
15	29.18
12	37.05
10	44.92
8	56.70



When they are mounted in the control boxes, cartridges must be screwed in place manually.

All the values on the table above are approximate values :

The results, based on Van der Walls equation, are obtained from our spreadsheet certified by APRAGAZ and crosschecked by many internal measures. The values on the table above are for a room temperature of 20°C.

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