CARDE680020 to CARDE930150-01

Description - General information

Single use Pneumatic Safety Circuits (PSC).

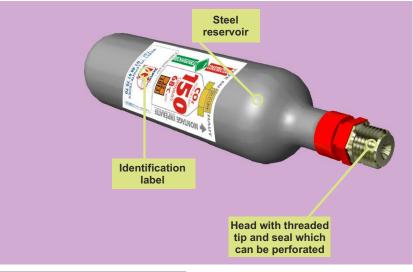
After percussion, the cartridge releases its entire contents ensuring the activation of one or more Smoke and Heat Exhaust Ventilator (SHEV) systems.

The cartridges of compressed carbon dioxide have been designated as "CO2 bottles for single use" in the NF EN 12101-10 norm. They meet norm NF EN 12205.

The carbon dioxide is compressed at 60 bar, at about 20°C, equilibrated between liquid phase and gas phase.

They are used primarily in automatic control devices which need an intrinsic energy, for example: Thermofuses.





Two types of cartridge

- WITHOUT plunger tube up to and including 150 g. Mounted head upwards or head downwards.

> - WITH plunger tube 150g Mounted head upwards only

Reference	Mass CO ₂	Length L + or - 5 mm	Ø	
CARDE680020	20 g.	110	30	
CARDE680080	80 g.	190	35	1
CARDE680150	150 g.	291	40	ŀ
CARDE680150-01	150 a	291	40	1

Example

With plunger tube Without plunger tube

Length of marking

Technical Characteristics

Material : Steel resistant at 528 bar.

Protection. : Paint: RAL7037.

450 bar.

Content:Co²

Temperature during use. . . :+ 68°C maximum Identification. : Engraving and labelling.

Charge rate : 0.71

:Stock and install away from bad weather conditions.

	VOLUMES RELEASED BY THE CO ² CARTRIDGES							
	<u>in litres</u>							
	PRESSURE in bar	20 g	80 g	150 g	150 g			
		WITHOU	JT PLUNC	SER TUBI	WITH PLUNGER TUBE			
	25	0.23	0.93	1.74	2.28			
	22	0.28	1.11	2.08	2.72			
	20	0.32	1.27	2.39	3.12			
	18	0.37	1.46	2.74	3.59			
	15	0.46	1.78	3.35	4.38			
	12	0.57	2.27	4.25	5.56			
	10	0.69	2.75	5.15	6.74			
	8	0.87	3.47	6.51	8.51			



When they are mounted on the thermofuses, 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.

DUPUY EQUIPEM

Les Ajeux - 72400 La Ferté Bernard - France Tel.: +33 (0)2 43 60 78 60 - Fax: +33 (0)2 43 93 41 94 e-mail: clients@de72.fr

