CARDE500015 to CARDE500750

Description - General information

Single use Pneumatic Safety Circuits (PSC).

On 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 carbon dioxide have been designated as "CO2 bottles for single use" in the NF EN 12101-10 norm. They meet norm NF S 61-939 and norm NF EN 12205. They are subjected to test report n° SG030094 of the CNPP laboratory, according to norm NF S 61-939 annex A.





Two types of cartridge

- WITHOUT plunger tube up to 100 g.

Mounted head upwards or head downwards.

- WITH plunger tube over 100g Mounted head upwards only

Reference	Mass CO ₂	Length L + or - 5 mm	Ø
CARDE500015	15 g.	109	22
CARDE500025	25 g.	115	30
CARDE500060	60 g.	146	35
CARDE500100	100 g.	185	40
CARDE500150	150 g.	267	40
CARDE500200	200 g.	328	40
CARDE500300	300 g.	332	51
CARDE500500	500 g.	376	60
CARDE500750	750 g.	515	60

Example

12 10

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:Co²

Temperature during use. . . :+ 50°C maximum Identification. : Engraving and labelling.

Charge rate :0.75

Grammage......15, 25, 60, 100, 150, 200, 300, 500 and 750 g. Precautions :Stock and install away from bad weather conditions.

Length L of marking Example of laser marking

Marking information

Manufacture date: Metal engraving

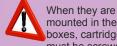
Ex: 2015/06

Manufacturing lot : Laser marking

Ex: 3744954

VOLUMES RELEASED BY THE CO2 CARTRIDGES **PRESSURE** 25 22 20 18 15

<u>in litres</u>								
15 g	25 g	60 g	100 g	150 g	200 g	300 g	500 g	750 g
WIT	HOUT PL	LUNGER	TUBE		WITH PL	LUNGER	TUBE	
0.17	0.29	0.70	1.16	2.28	3.04	4.55	7.59	11.38
0.21	0.35	0.83	1.38	2.72	3.63	5.45	9.07	13.60
0.24	0.40	0.95	1.59	3.12	4.15	6.24	10.39	14.55
0.28	0.46	1.10	1.83	3.59	4.79	7.18	11.96	17.95
0.33	0.56	1.34	2.23	4.38	5.84	8.76	14.59	21.89
0.43	0.71	1.70	2.83	5.56	7.41	11.12	18.53	27.79
0.52	0.86	2.06	3.43	6.74	8.99	13.48	22.47	33.70
0.65	1.10	2.60	4.33	8.51	11.34	17.01	28.35	42.53



mounted in the 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.

DUPUY EQUIPEMENTS

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