

# Compressed air and CO<sub>2</sub> tanks

Notes on the useful life

---

In the case of compressed air and CO<sub>2</sub> containers manufactured by Carl Walther GmbH & Produktions KG, a distinction must be made between the container material aluminium and steel in order to distinguish the permissible service life:

## 1. Service life of compressed gas containers (compressed air and Co<sub>2</sub>) made of aluminium:

Both the findings of the past, as well as further reviews according to the current state of the art as well as the practical experience of recent years, have helped us to do so. to limit the manufacturer-specific useful life of Aluminium compressed gas containers to a maximum of 10 years in order to maximise the safety of users and third parties.

As a precaution vis-à-vis users and also vis-à-vis third parties, we are of the opinion that an extension of the useful life by "overhanging" or "testing" the Aluminium cartridges in the form of a new pressure test, without examination of the internal condition (in particular the microstructure), is not recommended. In our opinion, such a test can be carried out taking into account the stresses acting on the material over the years (in particular by damage, alteration or non-damage). intended use) do not offer the 100% guarantee that the aluminium cartridges can continue to be used safely.

In this respect, after the expiry of the 10 years from the date of manufacture (which is attached to the cartridges), the pressurized gas containers made of aluminium should no longer be used for safety reasons and emptied safely. If a Shüze uses the compressed gas containers made of aluminium beyond the manufacturer-related service life of 10 years, this is done at your own risk - there may even be a risk of injury!

## 2. Service life of compressed gas containers (compressed air and Co<sub>2</sub>) made of steel:

With regard to compressed steel gas containers, we have also decided to limit the service life to 10 years. Due to a different material property of the steel cartridges and the resulting possibility of a repeat test to be carried out by the manufacturer after 10 years, the steel cartridges - provided that the repeat test does not reveal any objections – the useful life is extended once by a further 10 years – so that a maximum useful life of 20 years in total is possible. Example: the useful life of a 16-year-old cartridge is only extended by another four years).

The useful life of steel compressed gas containers that are 20 years and older can no longer be extended by periodic inspection. At the end of its useful life, the cartridge should no longer be used and emptied safely.

Compressed gas containers that do not have a serial number and date of manufacture are more than ten years old and (in the case of a steel container) can no longer be presented for retesting.

However, this repeat test to be carried out by us after 10 years can only be carried out in our factory and not as part of the service at shooting sports events.

In this context, we refer to the flyer of the manufacturers' association on the handling of compressed air cartridges hin!



Carl Walther GmbH & Co., Produktions KG  
District Court Ulm HRA 2612  
District Court Ulm HRB 2811

[www.carl-walther.com](http://www.carl-walther.com)

## Compressed air and CO<sub>2</sub> tanks

Letterings

The marking of the compressed air and CO<sub>2</sub> containers is located on the shell surface of the container. The following labels have been used so far (EXAMPLES):

### Compressed air tanks

WALTHER 0.215LTR. – PD450-0.564kg  
1002 AIR 300 010 12.98 h F189

Date of manufacture

WALTHER V 0,215L – PH 450 BAR 0.605  
01D204 D 0685 h 2003/06 (W)  
1002 COMPRESSED AIR 300 2013 G 103

Date of manufacture

Expiration date

L+W 1165 PW300 PH 450BAR 0.300KG 0.085L 3.5mm 0036  
UN1002 AIR VERD. USABLE TILL: 12/16 6062 7118

Expiration date

WALTHER V 0.215L – PH 450 BAR 0.610

Z 517/03 0685 D h 2005/02 (W)  
1002 COMPRESSED AIR 300 2015

Date of manufacture

Expiration Date

2/WALTHER 1002 AIR 300 0.180  
01D 450 – 0.085L 2.00 (W) 10 F217

Date of manufacture

Expiration date

L&W 0001 PW200 PH300 BAR 0.17KG 0.080L 2.4mm 0036-0038-07  
UN 1002 AIR VERD. USABLE TILL: 05/017

Expiration date

### CO<sub>2</sub> containers

56260  
WALTHER 01D 10.90 h 0.05 250 – 0,238 Date of manufacture  
CARBON DIOXIDE TARE 0,314KG

0,037kg

14/7/93 h 0.040 CARBON DIOXIDE 01D h TARE 0.196

Date of manufacture

38596  
WALTHER 01D 162 355N-0,15-250 0,545KG  
0,100KG CARBON DIOXIDE 1.89 h TARE 0,621KG

Date of manufacture

As already mentioned in the "Notes on the service life of compressed air and CO<sub>2</sub> containers", steel containers can be filled and used for a maximum of 20 years – after a period of 10 years from the date of manufacture. a re-examination shall be carried out.

Aluminium containers have a maximum useful life of 10 years. An extension of this useful life is also not possible by carrying out a repeat test.

Carl Walther GmbH & Co., Produktions KG  
District Court Ulm HRA 2612  
Amtsgericht Ulm HRB 2811

[www.carl-walther.com](http://www.carl-walther.com)

## Compressed air and CO<sub>2</sub> tanks

Replacement or Resit

Art.-No.	Description	Volume	Material	CO <sub>2</sub> / Press-air	Pistol/Rifle	for model	Rec. Retail price
249 46 63	WALTHER standard cartridge	72 cc	Steel	CO <sub>2</sub>	Pistol	CP1, CP2, CP3, CP5, CPM Atlanta	149,00
248 81 83	WALTHER standard cartridge	150 cc	Steel	CO <sub>2</sub>	Gun	CG90, CGM	199,00
276 79 02	WALTHER standard cartridge	53 cc	Aluminium	CO <sub>2</sub>	Pistol	CPM-1	129,00
276 78 30	WALTHER standard cartridge	53 cc	Aluminium	CO <sub>2</sub>	Pistol	CP200, CP201	129,00
267 10 00	WALTHER lightweight cartridge, 300bar, without pressure gauge	53 cc	Aluminium	Compressed air	Pistol	LP201, LP200, LP300	129,00
262 03 41	WALTHER standard cartridge, 300bar, with pressure gauge	85 cc	Aluminium	Compressed air	Pistol	LP200, LP300	149,00
267 13 79	WALTHER Junior Cartridge black, 300bar	154 cc	Aluminium	Compressed air	Gun	LG200, LG300, LG30, LG1250	199,00
269 64 95	WALTHER Junior Cartridge silver, 300bar	154 cc	Aluminium	Compressed air	Gun		199,00
263 31 67	WALTHER standard cartridge, 300bar	200 cc	Steel	Compressed air	Gun		199,00
Factory pressure test incl. new valve							123,00
266 48 52	WALTHER Maxikartusche, 300bar	267 cc	Steel	Compressed air	Gun		199,00
Factory pressure test incl. new valve						123,00	
273 34 12	HÄMMERLI standard cartridge incl. Adapter and conversion to AP40		Aluminium	Compressed air	Pistol	AP480	395,00
274 48 06	HÄMMERLI lightweight cartridge, 200bar		Aluminium	Compressed air	Pistol	AP40	124,00
274 48 02	HÄMMERLI standard cartridge, 200bar		Aluminium	Compressed air	Pistol		137,00

274 61 86	HÄMMERLI standard cartridge, 200bar		Aluminium	Compressed air	Gun	AR50, AR30	183,00
-----------	--	--	-----------	-------------------	-----	------------	--------

A repeat test can only be carried out once for **steel containers**, thus a maximum total service life of 20 years is possible. However, most **CO<sub>2</sub> cartridges** are already 15 to 25 years old, so that an examination would not be valid or only valid for a few years. Since the costs for this are also considerable, a pressure test for **CO<sub>2</sub> steel cartridges** does not make sense.

The **compressed air steel pressure vessels** sent to us for repeat testing are dismantled, subjected to an optical inspection and a pressure test. After passing the pressure test, the container is provided with a test sticker and a new valve.

For aluminium cartridges, the maximum service life is only 10 years, non-destructive testing is generally not possible for aluminium cartridges (compressed air and CO<sub>2</sub>).

**If you would like to switch from CO<sub>2</sub> to compressed air, we will be happy to make you an offer for the exchange of your old weapon.**

The processing takes place via the weapons dealer.

December 2008

## **Service life of compressed gas containers:**

The topic of "service life of compressed gas containers" has led to irritation and considerable demand in recent weeks.

With attached information we would like to try to clarify the uncertainties that have arisen.

First of all, it is necessary to determine the useful life of pressurized gas containers made of aluminium and steel.

### **1. Service life of compressed gas containers (compressed air and Co<sub>2</sub>) made of aluminium**

Both the findings from the past, as well as further tests according to the current state of the art as well as the practical experience of recent years, have the organized companies

**J.G. Anschütz GmbH & Co. KG**  
**Feinwerkbau GmbH**  
**Röhm GmbH**  
**Steyr Sportwaffen GmbH**  
**Frankincense & Frankincense GmbH**  
**Carl Walther GmbH**

In order to maximise the safety of users and third parties, the manufacturer's useful life of aluminium compressed gas containers should be limited to a maximum of 10 years .

As a precaution against the users and also against third parties, the above-mentioned companies are also of the opinion that an extension of the useful life by an "overhaul" or " It is not advisable to test the aluminium cartridges in the form of a new pressure test without examination of the internal condition.

In the opinion of the manufacturers, such a test can be carried out, taking into account the stresses acting on the material over the years (in particular damage, alteration or non-intended use) do not offer a 100% guarantee that the aluminium cartridges can continue to be used safely.

- 2 -

**ASSOCIATION OF MANUFACTURERS OF HUNTING, SPORTING WEAPONS AND AMMUNITION**

In the Fachverband Industrie verschiedenen Eisen- und Stahlwaren e.V.

Conceptual co-sponsor of IWA, International Trade Fair for Hunting and Sports Guns, Outdoor and Accessories (Nuremberg)

- 2 -

In this respect, after the expiry of the 10 years from the date of manufacture (which is attached to the cartridges), the compressed gas containers made of aluminium should no longer be used for safety reasons and should be emptied safely.

The above-mentioned companies have been pointing out for years in their operating instructions, and recently also on their websites and also through a manufacturer information jointly created under the umbrella of the JSM on the 10 years of manufacturer-related useful life of compressed gas containers.

## **2. Service life of compressed gas containers (compressed air and Co<sub>2</sub>) made of steel**

With regard to the useful life of pressurized steel gas containers, the above-mentioned companies have also decided to limit the manufacturer-related useful life to 10 years.

Due to a different material property of the steel cartridges and the resulting possibility of a repeat test to be carried out by the manufacturer after 10 years (analogous to the Pressure Vessel Ordinance), steel cartridges en - provided that the repeat test does not reveal any objections - did not raise any objections to a one-time extension of the useful life of a further 10 years .

However, this repeat test to be carried out by the manufacturer after 10 years can only be carried out in the respective factory of the manufacturer and not as part of the service carried out at shooting sports events. .

**ASSOCIATION OF MANUFACTURERS OF HUNTING, SPORTING WEAPONS AND AMMUNITION**

In the Fachverband Industrie verschiedenen Eisen- und Stahlwaren e.V.

Conceptual co-sponsor of IWA, International Trade Fair for Hunting and Sports Guns, Outdoor and Accessories (Nuremberg)