

Operating Manual

Promotional T-Shirt Cannon

www.air-cannon.com

Air Cannon T59 Max



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Introduction:

This operating manual is an integral part of the product. The safe operation of the product requires careful reading of the manual and following the safety instructions.



Contents:

- Purpose
- Product description
- Main parts
- Safety instructions
- Related standards
- T-shirt folding procedure
- How the cannon works
- How to load and shoot the T-shirt
- Filling options for the air chamber
- Accessories available for purchase
- **Paintball bottle**
- Maintenance
- Warranty
- Service
- Caution

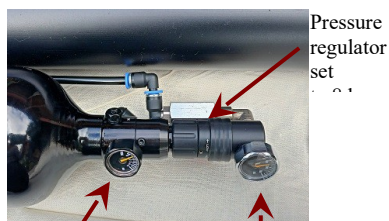
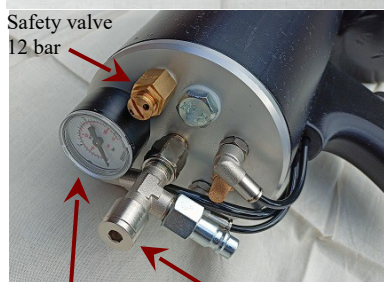
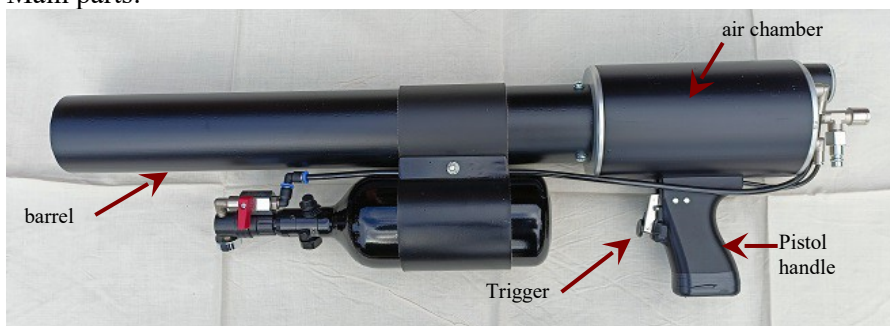
Purpose:

The promotional T-shirt cannon is used to attractively pass out promotional T-shirts at various social events by shooting them over the heads of spectators.

Product Description:

It's a maintenance-free, safe, low-pressure (max. 10 bar) system using the principle of compressed air release. It's necessary to fill the air chamber for each shot. Filling the air chamber is possible using any conventional compressor (2-10 bar) or from a cylinder bottle with a pressure regulator. The internal diameter of the barrel is 66 mm.

Main parts:



Safety instructions:

WARNING: This product must not be operated by, or otherwise handled by, a person under 18 years of age.

WARNING: Charge the t-shirt only with the trigger locked.



DANGER:

- Do not shoot the T-shirt at other people.
- Do not discharge the air chamber at other people (even if the barrel is has no shirt in it, there is a risk of injury from the pressure wave).
- Never look directly into the barrel.

Under no circumstances should objects be fired other than:

- promotional T-shirts or jerseys
- towels and similar soft fabrics

Related standards:

The barrel is not a pressure vessel and therefore is not subject to inspection.

T-shirt folding procedure:

Fold the T-shirt lengthwise into 3 or 4 sections and then roll it into a roll.

The roll must fit easily into the barrel. The T-shirt will fly out to a distance of 15-20 m and open up in the air.

If a greater distance is needed, tie up the rolled-up T-shirt with string or tape to prevent it from opening up. This roll must fall into the barrel under its own weight. The T-shirt will then fly up to 60 m.

How the cannon works:

It's a unique low-pressure system. For each shot, the air chamber needs to be pressurized. It empties after the shot but when the trigger is released, it is automatically pressurized from the attached bottle and is ready for the next shot. The range is directly proportional to the pressure in the air chamber. The more you pressurize the air chamber, the further you can shoot, up to a maximum of 60 m.

The procedure for loading and firing the T-shirt:

Option 1 – maximum range

The manufacturer has set the air chamber to filling up to 8 bar.
(unfixed T-shirt – 20 m, fixed T-shirt – 60 m)

- Check that the safety is on to prevent accidental firing
- Put the rolled-up T-shirt into the barrel

- Set the main cylinder shutoff (red lever) to the “open” position (horizontal) and leave it open
- Pressurize the chamber to the set pressure (8 bar), check the chamber pressure gauge
- Grip the cannon with both hands with the barrel at an angle of about 45° degrees upwards
- Release the safety and pull the trigger
- After pulling the trigger, the air chamber automatically re-pressurizes
- Engage the safety
- Load the next T-shirt.

Setting of pressure for maximum range:



Option 2 – reduced range

Using the lever of the main cylinder shutoff (red lever) pressurize the air cylinder to the required (reduced) pressure and close the shutoff. Repeat the procedure for the next shot.

Discharging (emptying the air chamber) without a T-shirt in the barrel is permissible and does not damage the product.

Air chamber filling options:

The air chamber can be filled with a conventional compressor or from a pressure-controlled cylinder or even with a hand pump.

Accessories available for purchase:

- reduction for filling the air chamber with a hand pump
- quick coupling to the compressor

Paintball bottle:

For filling you must visit a diving center or a paintball playground and the paintball bottle fill on 3000 psi (207 bar).

Maintenance:

The product does not require any maintenance.

Warranty:

2 years or 50,000 shots.

Service:

Warranty and post-warranty service is provided by the manufacturer.

CAUTION: Close the cylinder before the last shot, do not store the cannon with the air chamber pressurized.



Warranty card	
Date of sale	Seller