

CO₂ CANNON

SPECIFICATIONS

Single Barrel CO₂ Cannon:
(without barrel)

Length = 290mm
Width = 100mm
Height = 130mm
Weight = 3.4kg

Multibarrel CO₂ Cannon:
(without barrels)

Length = 713mm
Width = 555mm
Height = 340mm
Weight = 28.7kg

34mm Pressure Barrel

Length = 803mm
Overall Diameter = 49mm
Weight = 0.3kg

56mm Pressure Barrel

Length = 1200mm
Overall Diameter = 70mm
Weight = 0.7kg

Multibarrel hanging Bracket

Weight = 5.0kg

Mini CO₂ Cylinder

Height = 245mm
Diameter = 70mm
Empty Weight = 1.33kgs
Full weight = 1.75kgs



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ACCESSORIES CONTINUED

Fill Rig

Used to refill Mini CO₂ Cylinders from large CO₂ Cylinders - for the ultimate in economy.

Hanging Bracket

This heavy duty bracket allows the Multibarrel CO₂ Cannon to be suspended or used for support, at an angle when using 'floor mounted'.

Mini CO₂ Hose

Short stainless/braided hose for connecting Mini CO₂ Cylinder to Single or Multibarrel units. Particularly useful when using Mini CO₂ Cylinder Attachment Kit. Standard CO₂ threads/nuts at both ends.

CO₂ Hoses

High pressure steel reinforced with standard CO₂ threads/nuts at both ends. Useful when using large cylinders with single or multibarrel units. Particularly useful for heavy-duty rental/hire/mobile purposes. Various lengths available (see price list)

Pressure Barrels

34mm and 56mm. These are attached (screwed) to the single or multibarrel units after inserting the cartridge and assist in developing the pressure and power to project the effect.

Adaptor

This allows the single or multibarrel units to accept the 56mm cartridges. Simply screw into the unit, insert a 56mm cartridge then screw a 56mm pressure barrel into the adaptor. It is that simple!



High Pressure CO₂ Hoses

34 and 56mm cartridges, pressure barrels and adaptors

Effects Cartridges

In addition to the very best hardware systems, we have developed a fantastic range of cartridge effects, in a multiple of colours. All are factory pre-loaded and ready to fire - performance guaranteed.

Here is a selection to excite!

E-Fetti

Strips of brightly coloured tissue, which tumble as they fall - a visual feast. White, Red, Yellow, Turquoise, Violet, Pink, Green, Red/White/Blue and mixed colours.

E-Fetti Ultra Violet

Spectacular with 'blacklight' illumination. Pink, Yellow, Green - Hi Glow.

Glitter

Small oblong strips that tumble whilst they slowly fall, creating a fantastic 'shimmering' effect. - Silver, Gold, Red, Blue, Green.

Metallic Streamers

Gold, Silver and Red. Made from the same material as the glitter. They shoot out and unravel, sparkling in the light as they float down. A fantastic effect.

Hearts

Red, metallic heart shapes that flutter downwards. Ideal for Valentine time, Weddings and parties etc.

Paper Streamers

Vivid colours shoot out and float downwards. A spectacular effect. Red, White, Blue, Pink, Green, Violet, Yellow and mixed colours.

Flash Discs

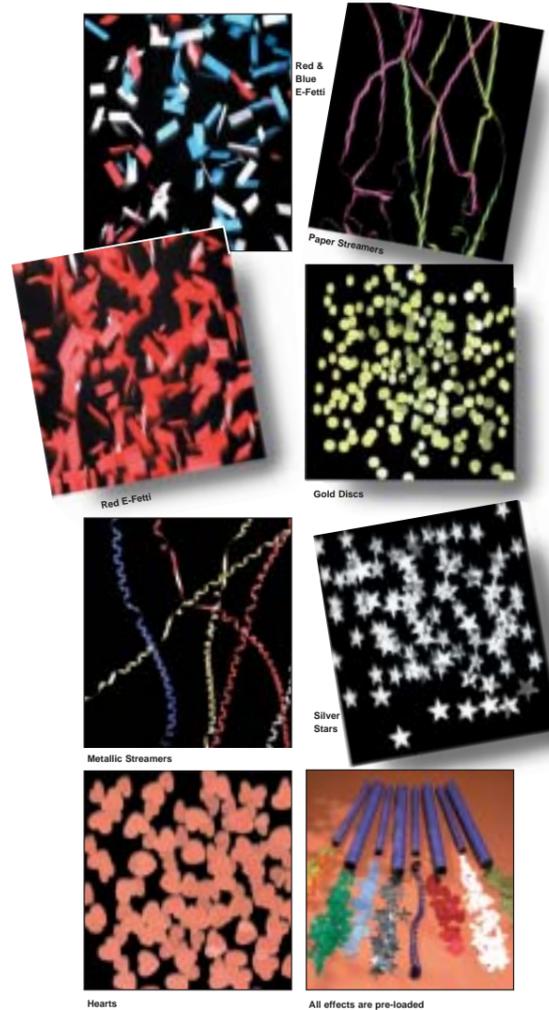
Discs approximately 38mm diameter in Red, Gold or Silver. Very vivid effects as they flutter downwards catching and reflecting the lights.

Stars

Similar in size to the Flash Discs, they float downwards with a visible star shape. Available in Red, Gold or Silver.

Effects such as E-Fetti and items made from metallic 'glitter' material create a stunning 'freeze' effect if used with strobe lighting. **Give it a try!**

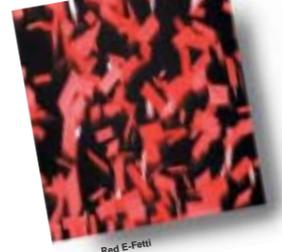
We are always looking to develop new ideas in cartridges. Please check with our current cartridge price list for updates. You may be pleasantly surprised.



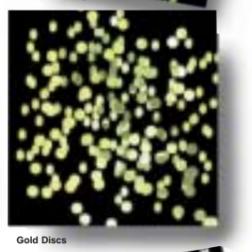
Red & Blue E-Fetti



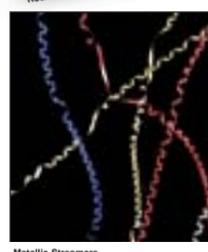
Paper Streamers



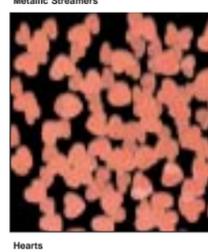
Red E-Fetti



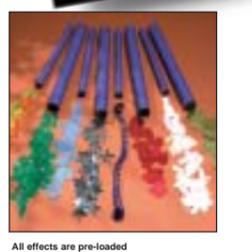
Gold Discs



Silver Stars



Metallic Streamers



Hearts

All effects are pre-loaded

The Complete System

- CO₂ Cannon - Single Barrel Unit
- CO₂ Cannon - Multibarrel Unit
- EC600 - Digital hand-held controller
- EC40 Controller - Analogue hand-held controller
- Hanging Bracket / Stand - for Multibarrel Unit
- Mini CO₂ Cylinder - 0.43Kgs capacity
- Fill Rig - to refill mini CO₂ Cylinder
- Mini CO₂ Cylinder Attachment Kit
- Short Stainless Braided High Pressure Hose
- Long Heavy Duty High Pressure Hoses
- Baseplate for Single Barrel Unit
- 34mm Pressure Tubes
- 56mm Pressure Tubes
- 34/56mm Adaptor
- 34mm Effects Cartridges
- 56mm Effects Cartridges

All items are CE/EMC approved and are available in 220-240v / 50Hz and 110-120v / 60Hz versions.

CO₂ Cannon Features

- A wide range of stunning effects
- User friendly system
- Factory pre-loaded cartridges, guaranteed performance
- Uses readily available CO₂ as a propellant
- Simple or complex firing sequences are easily achievable
- Low running costs
- No expensive pyrotechnics / no licensing / operating problems
- Practical and versatile range of accessories
- High quality and reliable electronics systems - 0-10v, Digital or DMX 512 Control
- Suitable for large or small venues
- Well engineered hardware and systems

Now prepare to create some stunning visual effects!



Stunning
air launched
Effects

Give your event real impact.
Create Professional, Stunning
air launched effects with
the CO₂ CANNON from...
THE EFFECTS COMPANY



Cartridge Loading

Loading the CO₂ cannon could not be easier. Just push the pre-loaded cartridge into its base then screw onto the pressure barrel and you are ready! Because the system uses factory pre-loaded cartridges, there is no more messing around filling tubes on-site, and performance is guaranteed.

Two cartridge sizes are available: 34mm and 56mm (via an adaptor). All cartridges fit both single and multibarrel units.



Loading effects cartridges - So Simple

An Introduction

Whether it is for a nightclub, TV Show, Themepark, Theatre, Fashion Show, Product Launch, Sports Stadium, Parade, Concert Hall, Party... customers are always looking for that stunning effect, now achievable with the advanced, but user-friendly CO₂ CANNON SYSTEM.

Choose from a stunning selection of effect cartridges with the back-up of one of the world's most respected manufacturers of SFX equipment. With single or five-barrelled cannons, using an advanced electronics package for control, and easily obtainable CO₂ as a propellant. This is the most comprehensive system available **anywhere**.

How It Works

Really user-friendly, simple to use and unlike pyrotechnic systems there is no explosive/pyrotechnic charge. The CO₂ Cannon uses easily obtainable Carbon Dioxide (CO₂) as the propellant, together with 'state of the art' electronics. A micro-pulse of CO₂ fires the cartridge and because no pyrotechnics are involved, the safety considerations are dramatically reduced with no licensing or storage problems. Authorities and Fire Marshals will be much more disposed towards the CO₂ Cannon where they may have previously resisted pyrotechnic based systems.

Running Costs

The Effects Company have consciously designed a system that is not only 'user friendly' in operation but also cost effective to run. With the very low costs of CO₂ the only item to purchase is the actual effects cartridge. There are no mini CO₂ bulbs, no 'firing caps', no 'pressure wads' to purchase.



EC400 Controller

Single barrel cannon



Multiple Operation of Single Barrel Cannons

Single Barrel Cannon

Complete with a support / hanging bracket this rugged and easy to use unit takes the complete range of 34mm and 56mm effects cartridges and can be operated at any angle position. Control is 0-10v or DMX (with DMX converter). Multiple units can be electronically 'daisy chained' together and operated from a single controller.

Electronics Control

The unit is controlled by the hand held EC40 Controller which comes complete with indicator LED's, safety keyswitch and 'FIRE' pushbutton.

Multiple single barrel units can be operated from the 'IN-THRU' jack sockets with this 0-10v controller, and DMX operation is possible either individually or in multiples via The Effects Company DMX Converter.



DMX operation of Single Barrel Cannons

Multibarrel Cannon

The final word in sophistication and controllability - anywhere! The Multibarrel Cannon has five individual barrels that accept either 34mm or 56mm cartridges and an advanced digital electronics package that automatically rotates the CO₂ supply to the selected barrel. Remote control can be either via the versatile EC600 Controller or by inbuilt DMX 512. Up to 5 x heads (25 barrels) can be controlled by the EC600 and an infinite number of units/complexity of firing sequences with an external DMX Controller.

An operator can set up individual barrel firing, automatic sequential firing or a complex firing pattern/sequence.

There is also variable angle, adjustment on all tubes from vertical, moving through 105° - past the horizontal - and left/right movement of each barrel of 45°.

The Multibarrel unit can be operated at any angle and several units can be electronically 'daisy chained' together.



Multibarrel Unit - Main Input Panel



Multiple Multibarrel Units with DMX Control



The angle of projection can be varied.



Mini CO₂ Cylinder-attached to Multibarrel unit



Multibarrel CO₂ Cannons

Electronics Control

...Is via inbuilt DMX 512 (using an external desk), or by hand held EC600 Controller which has numerous sophisticated features, but is still simple to operate.

- Digital control (5 pin DIN connection / lead)
- Safety Keyswitch
- Pushbutton 'FIRE' control
- Manual fire or 'auto sequencing'
- Controls up to 5 units (=25x barrels)
- 'Feedback' status information from all heads
- Individual barrel select
- Long control cable possible (12v DC)



EC600 Controller



The unit may be suspended/truss mounted

Accessories

...Not just CO₂ Cannons, but a complete system! We have developed a complete range of accessories to attain the degree of versatility that professionals demand, and cater for most operator requirements.

- **Baseplate**
Allows the single barrel unit to be operated 'free standing' on a flat surface.
- **Mini CO₂ Cylinder**
This small cylinder takes 430g of CO₂ - enough for approximately 25-30 firings of any unit. Can be refilled by user.
- **Mini CO₂ Cylinder Attachment Kit**
Allows the Mini CO₂ Cylinder to be attached to the Single and Multibarrel units and kept together as self-contained kits. Ideal for temporary/mobile use.



Mini CO₂ Cylinder and attachment kit



Multibarrel Hanging Bracket Kit



Hanging Bracket in use as support

