

USER MANUAL



BOOSTER UNIT 4

V1.0 2025



PURE
EFFECTS
MANUFACTURING SPECIAL EFFECTS



CONTENTS.

1.	Introduction	Page 1
2.	Safety information	Page 1
3.	Technical specifications	Page 2
4.	Safety	Page 3
5.	General information	Page 4
6.	Instructions	Page 5-6
7.	Maintenance and Service	Page 7
8.	Warranty	Page 8
9.	Liability	Page 8

USER MANUAL.

1. INTRODUCTION.

Welcome to the Pure Effects family and thank you for purchasing the BOOSTER UNIT 4. Our BOOSTER UNIT is part of the CO2SMOKE Series which is the start of a CO2 bottle free era with keeping the sound and effect of CO2 alive. The BOOSTER UNIT 4 is an required accessory to use the CO2SMOKE output unit. Please read this manual carefully before using the BOOSTER UNIT. If you encounter any problems, please contact Pure Effects for advice and assistance.

2. SAFETY INFORMATION.



CAUTION!

Please read the following safety information carefully before operating the machine. This information includes important safeguards about installation, usage and maintenance. Pay attention to all warning labels and instructions in this manual and printed on the machine.



DANGER! Electrical shock

Always connect the machine to correct voltage. It will lead to electrical shock or burned and may cause serious consequences if connecting to incorrect or improper voltage.



WARNING! Risk of electrocution

Always connect the machine to a protected circuit and ensure it is properly grounded to avoid risk of electrocution.

Damage caused by the disregard of this user manual are not subject to warranty. Pure effects and its dealers will not accept liability for any resulting defects or problems.

3. TECHNICAL SPECIFICATIONS.

POWER SUPPLY: EU AC 220 – 240V 50Hz

VOLT A UNIT: 3600W

PRESSURE TIME 0-100%: Approx 15 – 17 MIN

MAX TIME RUNNING: 30min running – 30 min stand by.

MAX PRESSURE: 30BAR

PRESSURE OUTPUTS: 4X HIGH PRESSURE CO2 hose connectors.

AMBIENT TEMP/RANGE: 5°C – 40°C (41°F – 104°F)

CONTROL: Internal stand-alone

CONNECTIONS: PowerCON® TRUE1 (Power) – 4x HIGH PRESSURE.

MEASUREMENTS LxBxH 830x780x1070MM including Automatic Castor Blue wheels

WEIGHT: 160KG



4. SAFETY.

- You are working with a pressurized system!– **CAUTION, HIGH PRESSURE!**
- Never try to open the BOOSTER UNIT 4 – **CAUTION, HIGH PRESSURE!** Contact Pure Effects in case of an error.
- **WARNING!** Never input liquids or gasses through the output connectors or hoses.
- **WARNING!** Never input pressure from a different source.
- Make sure nobody who is not authorized has access to the BOOSTER UNIT!
- Be aware that the casing around the accumulator becomes warm.
- Make sure the unit has a free space of minimum 0.5m around the unit.
- Make sure the BOOSTER unit is free of dust and rain.
- Make sure you handle/move the BOOSTER unit with 2 people.
- Always make sure the unit is in horizontal position.
- Never transport or store the unit on his side.
- Make sure all participants are warned before the show.
- Always keep a clear view on the BOOSTER unit when operating.
- Always use qualified pressure hoses.
- Always use original Pure Effects Power cable, never use a power cable rated under 1.5 mm² **CAUTION, RISK OF FIRE & ELECTRICUTION!**
- Make sure no other equipment is connected to the same power source.
- Make sure the pressure hose is free of dirt before connecting to the BOOSTER unit.
- Never try to remove a pressure hose before depressurizing the system.
CAUTION, RIST OF INJURY!
- Never try to connect a pressure hose before depressurizing the system.
CAUTION, RIST OF INJURY!



CAUTION! PRESSURIZED SYSTEM

Never open the Pump system without instructions of Pure Effects. Only trained personal allowed. No serviceable or modifiable parts are inside the machine. When opened warranty will be limited.

5. GENERAL INFORMATION.

- Keep this device dry. This machine is not waterproof. Do not expose the machine to water splashes.
- Place the BOOSTER unit on a flat surface
- Make sure the BOOSTER unit is in a well-ventilated area.
- Provide at least 50 cm space around the machine.
- Make sure nothing is blocking the in or outputs of the BOOSTER unit.
- Make sure there are no flammable materials close to the machine while operating.
- **WARNING!** Never input liquids or gasses through the output connectors or hoses.
- **WARNING!** Never input pressure from a different source.
- Before connecting the BOOSTER unit to power, always check the voltage indicate on the machine matches to your local AC voltage. Do not use the machine if AC power voltage does not match.
- If the supply cord is damaged, it must be replaced by an official Pure Effects replacement.
- Never use a damaged cord or hose. Always make sure the machine and accessories are in original condition.
- No user serviceable and modifiable parts inside. Never try to repair this product, an unauthorized technician may lead the machine to damage or malfunction.
- The BOOSTER unit can be used indoors and outdoors under the following conditions: **WARNING!** Do not expose to rain, dirt or any form of moisture!
- Pay attention to all warning labels and instructions on the machine before operation
- Do not connect more than 1 BOOSTER unit to the same power source and always check the total combined power of all machines connected to the power source.
- When power is lost after connection to power supply please check the BOOSTER unit is the only device connected to the power source.

USER MANUAL.

6. INSTRUCTIONS.

- Step 1.** Place the BOOSTER unit on a flat surface. Free from dirt, rain or moist. Make sure there is an 0.5M free space around the unit.
- Step 2.** Follow the steps of the CO2SMOKE devices and connect the pressure hoses to the CO2SMOKE machines. Make sure there is **NO PRESSURE HOSE CONNECTED** to the BOOSTER unit.
- Step 3.** Make sure the pressure valve is in the OFF/closed position, and the pressure release screw is in opened position.



- Step 4.** Connect the pressure hose to one of the pressure outputs of the BOOSTER unit 4.



- Step 5.** Confirm all pressure lines are connected to the BOOSTER unit/ CO2SMOKE output units correctly. Now close the pressure release screw that was opened in step 3.

CO2SMOKE V1.0 2025

- Step 6.** Connect the BOOSTER unit 4 to an empty power source. Make sure to use an official Pure Effects power cable minimal rated at 1.5 mm²



- Step 7.** Make sure the green light is on and ventilators are running. When the internal pressure is below the required pressure the accumulator will also turn on by powering the system.
- Step 8.** Wait for the BOOSTER UNIT to accumulate the correct pressure. The internal accumulator will automatically turn off. After accumulating and when the right pressure is reached it is advised to wait 15 min before using the completed setup.
- Step 9.** Now turn the red pressure valve to open/on position.



- Step 10.** The CO2SMOKE & BOOSTER unit SYSTEM is now ready to use.

NOTE: To Stop using the BOOSTER unit please reverse all steps in reversed order from step 9 to step 3.

USER MANUAL.

7. MAINTENANCE & SERVICE

Maintenance

Very little maintenance is required for your BOOSTER unit 4. If the below maintenance is regularly carried out, unnecessary servicing will be avoided. Remove pressure lines, main power supply and release the pressure with the pressure screw before undertaking any maintenance operations.

NOTE: There are no serviceable parts inside of the BOOSTER unit. Don't open the BOOSTER unit.

WARNING!: injury risk to you and others when opening the BOOSTER unit. Limited warranty will occur when products has been opened before contacting Pure Effects for instructions.



- Frequently clean the high pressure output connectors.
- Ensure that the machine is kept clean and dry.
- Only use a damp cloth to clean the casing.
- Do not allow the machine to become contaminated.
- Remove dust from air vents with air compressor, vacuum or a soft brush.
- Please allow machine to cool completely before storing to prevent condensation and potential malfunction.
- It is recommended to run the machine on a monthly basis in order to achieve best performance and output condition.
- Excessive dust, liquid and dirt built up will degrade performance and cause overheating.

Servicing

We recommend that your CO2SMOKE devices and BOOSTER unit is returned to Pure Effects or an authorized distributor (details available from Pure Effects) on an annual basis for cleaning, servicing and testing to ensure that the equipment and its resulting output remains in optimum condition.

8. WARRANTY

The Pure Effects – CO2SMOKE has a factory warranty of 3 years, and 1 year on wear parts. Please inform Pure Effects as soon as possible in case of damaged good or broken products. We believe in good customer service and hope to resolve all requests as soon as possible.

No warranty is provided on consumables: Confetti, streamers, electric/handheld cannons or fluids.

The warranty expires when:

- The Pure Effects – CO2SMOKE is opened or modified.
- The user doesn't comply with the conditions safety standards
- The CO2SMOKE unit is used incorrectly
- Using other fluids than the Pure Effects fluids
- The CO2SMOKE has internal indications of water damage
- The CO2SMOKE unit has been used for use out of its designed form.

9. LIABILITY

"Unless expressly agreed otherwise, all our commitments are obligations of means. Without prejudice to mandatory legal provisions to the contrary, we shall only be liable for damage caused by the non-fulfilment of our obligations if and insofar as such damage was caused by our willful or grossly negligent fault or deceit. We are not liable for any other errors.

In the event that we are held liable for any damage, our liability shall be limited to a maximum of the invoice value of the customer's order, or at least to that part of the order to which the liability relates. We are only liable for direct damage. We are never liable for indirect damage, including but not limited to consequential damage, loss of profit, missed savings or damage to third parties. In the event of force majeure, our obligations shall be suspended and we shall not be legally released from any obligation towards the customer or otherwise liable.



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