

# Manual sprayers

# P05C, P08C

*ANOVA*

*Instructions and user manual*



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**Anova** We would like to congratulate you on choosing one of our products and guarantee the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last for many years and to be of great use if used according to the instructions in the user manual. We therefore recommend that you carefully read this instruction manual and follow all our recommendations.

For more information or questions, you can contact us through our web support at [www.anova.es](http://www.anova.es).

## INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the appliance for your safety and the safety of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when you go to work with the machine.
- The content is correct at the time of printing.
- We reserve the right to make changes at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and must remain with it in case of loan or resale.
- Request a new manual from your distributor if it is lost or damaged.

## READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE



To ensure your machine delivers the best results, carefully read the usage and safety guidelines before using it.

## OTHER WARNINGS:

Improper use could cause damage to the machine or other objects.

Adapting the machine to new technical requirements could cause differences between the content of this manual and the product purchased.

Read and follow all instructions in this manual. Failure to follow these instructions could result in serious personal injury.

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# 1. SAFETY INSTRUCTIONS

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## 1.1. Safety instructions

### **Important**



Before operating this product, please read and follow the instructions below. To prevent injury to yourself and others, you should also follow local safety regulations.

Keep these instructions for future reference. This manual contains safety information to inform you about the hazards and risks associated with the product and how to prevent them. It also contains important instructions that must be followed during product setup, operation, and maintenance.

It is important that you read and understand these instructions before attempting to operate this equipment. Make sure you are fully familiar with the controls and the correct use of the product.

Throughout this manual, you will find notices that provide safety instructions and information about hazards that could cause personal injury and/or property damage. These include a warning icon to indicate the likelihood and potential severity of injury.

- Danger/Warning: Indicates a hazard that, if not avoided, could result in serious injury.
- Important/Caution: Indicates a hazard which, if not avoided, could result in minor or moderate injury.
- Note/Notice: Indicates information considered important but not related to hazards.

	The operation must be performed strictly as required, otherwise it may cause damage to the sprayer or affect the user's personal safety.
	Any content bearing this mark is strictly prohibited, as it may cause damage to the sprayer or pose a risk to the user's personal safety.

## 1.2. Residual risks

### **Important**

Even if it complies with the relevant product safety regulations, residual risks may exist given the characteristics of the equipment and the work for which it has been designed.

Residual risks can be minimized by following safety instructions.

- You will reduce the risk of personal injury and damage to equipment if you follow these instructions and are careful.
- Failure to comply with these safety instructions may result in injury to the operator or damage to property.
- Lack of care, improper use, or failure to comply with safety regulations can result in injuries to the hands and fingers when the wedge is in motion.

*Note: Even if you take preventive measures, there may be residual, non-obvious risks.*

## 2. PRODUCT DESCRIPTION

The kit consists of a liquid tank, a handheld spray gun, a charger, spraying components (rubber hose, spray wand and nozzle) and a shoulder strap.

Characteristics:

1. Dual-purpose design for shoulder and hand carrying for easy transport.
2. Compact, lightweight, and highly efficient water pump that eliminates manual pumping, saving time and effort.
3. Low-consumption lithium battery to protect the environment.
4. Integrated spray gun design with detachable liquid tank for quick switching to alternative water sources when needed.

## 3. TECHNICAL SPECIFICATIONS

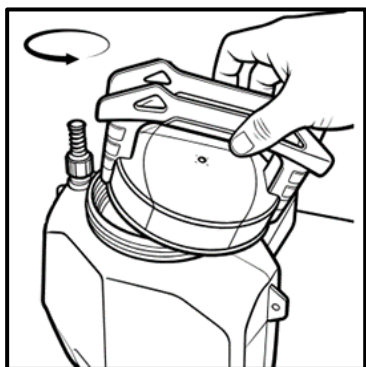
Characteristics		P05C	P08C
<b>Liquid container capacity</b>		5L	8L
<b>External dimensions</b>		250x170x355mm	280x170x400mm
<b>Water pump</b>	Guy	Microdiaphragm pump	
	Work pressure	(0.6-2.2 bar)	
	Operating current	(0.7-1.3 A)	
<b>Minimum flow rate</b>		0.27 L/min	
<b>Maximum flow rate</b>		0.65 L/min	
<b>Maximum horizontal range</b>		(≥4M)	

*Note: Due to design improvements and/or changes in specifications, this manual may be modified without prior notice and without needing to change the document.*

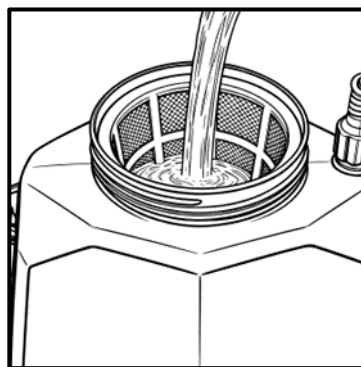
## 4. INSTRUCTIONS FOR USE

### 4.1. Operating procedures

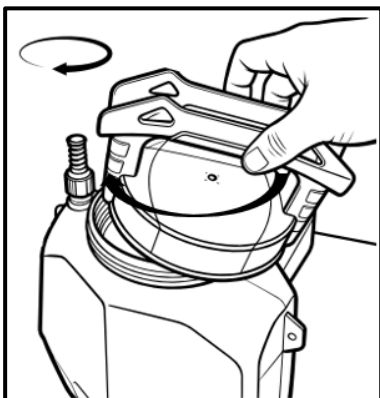
#### 4.1.1. Basic operating diagram



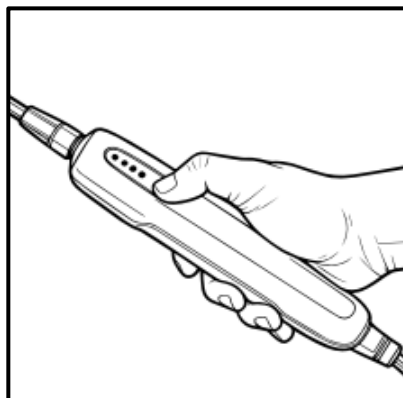
1. Remove the body from the handle by turning it counterclockwise as indicated by the arrow.



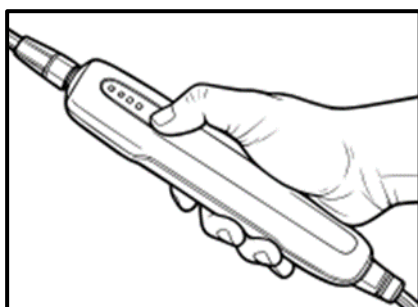
2. When injecting liquid, the maximum water level should not be exceeded.



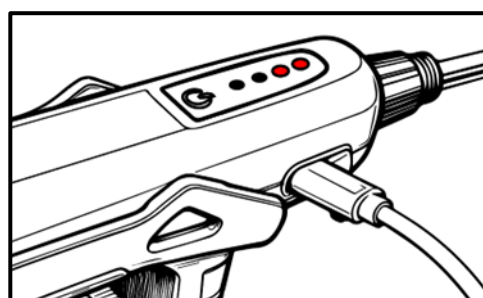
3. Rotate the handle body clockwise along the arrow in the diagram to align it with the liquid cube.



4. Press the power switch to start operation.

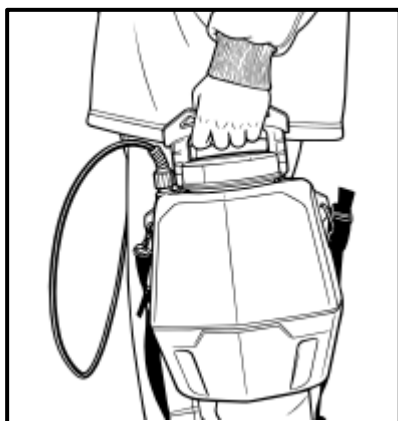


5. When refilling the liquid in the tank after use, the power switch must first be turned off to prevent the pump from running without operating the device.



6. Before use, check the voltage indicator. If the voltage is insufficient, connect the charger to charge. (The indicators will light up one by one during charging and all of them will light up when charging is complete.)

This product is available in two modes of use:



Portable (handheld)



Shoulder girdle

## 4.2. Important usage information

⊘	This product cannot be fully submerged in water or cleaned by spraying it with water.
⊘	The use of strong acids or other chemical liquids and special working fluids in the sprayer is strictly prohibited.
⊘	Do not unplug or plug in with wet hands to avoid electric shock.
!	Do not operate the liquid bucket with the power switch when it is empty to avoid damaging the pump diaphragm. Also, do not use the sprayer in an inverted position.
!	The use of water-insoluble powders is prohibited, as they do not dissolve in liquids and are highly likely to remain suspended in the medication container. Solid particles can settle to the bottom, clogging filters and pipes, which reduces the lifespan of the water pump.
!	When using pesticides, appropriate protective equipment such as masks, gloves, or pesticide-resistant outer clothing must be worn. Do not work with bare hands.
!	After administration, use the sprayer with clean water to spray at least a bucket of water or for 5 minutes. This will clean the pump, sprayer components, and tubing to remove medication residue, preventing residual substances from affecting the device's lifespan and performance.
!	Do not use generators or variable frequency power supplies as load sources. Always use a 5V power adapter and a compatible interface, as using incompatible adapters can be hazardous.

When using the device, if the battery is low (last light), charge it quickly to avoid over-discharge and prolong battery life.

Before the initial spraying, a small amount of clean water should be used for a test spray to inspect all connections for leaks and verify proper atomization. Only after confirming that all parameters are within normal limits should the pesticide solution be prepared. The water must be free of impurities and of high purity.

When using it in winter, take antifreeze measures to prevent the equipment's lifespan from being affected.

The device requires a 3-hour charge before first use. If you plan to store it for an extended period, charge it every three months to prolong battery life.

After use, empty the remaining liquid from the bucket.

## 5. MAINTENANCE AND TROUBLESHOOTING

Proper maintenance is essential for safe operation and to minimize potential machine problems. Follow the recommendations and inspection and maintenance schedules in this manual.

### **▲ Warning**

Improper maintenance, failure to correct a problem before operation, or the use of non-manufacturer-approved replacement parts can cause malfunction and serious personal injury. Always use appropriate PPE when performing adjustments or repairs.

### 5.1. Cleaning and maintenance

- 1) Cleaning method: Simply wipe the outside of the device with a damp cloth.
- 2) When not in use, store the sprayer in a cool, dry place away from direct sunlight to prolong its lifespan.
- 3) When not in use, charge the machine every three months to maintain battery life.

### 5.2. Troubleshooting

If you experience any of the following problems during use, resolve them as described below.

*Note: If you cannot resolve the product issues, please contact your official distributor.*

Error symptoms	Possible cause	Solution
After turning it on, the sprayer does not work.	<ol style="list-style-type: none"> <li>1. Low battery</li> <li>2. The internal wiring has come loose or is loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Insert the spray gun into the charger to load it.</li> <li>2. Replace any loose or detached cables.</li> </ol>
Poor atomization, poor atomization.	<ol style="list-style-type: none"> <li>1. A foreign body is obstructing the spray nozzle.</li> <li>2. The water absorbent filter in the liquid tank is clogged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the residue from the spray nozzle.</li> <li>2. Clean the impurities from the mesh filter or replace the water in the bucket.</li> </ol>
Unstable water pressure or no water flow	<ol style="list-style-type: none"> <li>1. The pump's suction filter is clogged.</li> <li>2. Water leaks at the component joints; they are not properly secured.</li> <li>3. The pump lacks water and has no negative pressure, which prevents it from working.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean the residue from the water absorbent filter and use water free of impurities.</li> <li>2. Tighten the leaking gasket again.</li> <li>3. After turning it on, use a tool to introduce water into the pump.</li> </ol>

Water leak at the nozzle	1. The nozzle O-ring is missing, damaged, or not installed correctly.	1. After confirming that the O-ring is correctly installed and undamaged, screw on the spray nozzle.
The sprayer is not charging.	1. The charging port has become damp and rusty. 2. The power supply wiring is loose or disconnected. 3. Damage to the charger 4. Battery damage	1. Replace the charging connector 2. Replace any loose or detached cables. 3. Replace the charger. 4. Replace the battery.

*Note:* If you have any questions or problems persist after performing the above operations, please contact your official distributor.

## 6. WARRANTY

If your product suffers any manufacturing defect during the established warranty period, please contact or go directly to your point of sale with the necessary documentation.

Your purchase receipt should be kept as proof of the purchase date. Your tool must be returned to your distributor in acceptable and clean condition, in its original molded case, if applicable, along with your corresponding proof of purchase.

### 6.1. Warranty period

The legal warranty period for the product begins on the original date of purchase by the first initial buyer and its duration will be that established by the Royal Decree-Law on the protection of consumers and users against situations of social and economic vulnerability of the year corresponding to the time of acquisition of the product.

Some countries do not have limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of consequential or incidental damages, in which case the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or country to country.

### 6.2. Exclusions

This warranty does not cover product damage or performance problems caused by:

- Natural wear and tear from use.
- Misuse, negligence, careless operation, or lack of maintenance.
- Defects caused by improper use, damage caused by handling by personnel not authorized by Anova or use of non-original spare parts.
- Defects in normal wear parts, such as bearings, brushes, cables, plugs or accessories such as drills, drill bits, saw blades, etc.
- Damage or defects resulting from abuse, accidents, or alterations.
- Incorrect use and storage (explicit reference to the fact that the rules described in the operating instructions have not been followed).
- Wear and tear caused by the customer (e.g., broken saw blades, consumed carbon brushes, etc.).

- Wear and secondary damage due to lack of maintenance, repair, lubricants (e.g., overheating damage due to blocked cooling slots, bearing damage as a result of dirt, frost damage, etc.)
- Damage as an obvious result of overuse/overload.
- Damage caused by inappropriate supplies (e.g., incorrect fuel)
- Load-induced breakage of housing components or accessories due to abnormal stress
- Load-induced deformation of the housing components or accessories due to abnormal stress.
- Damage resulting from the operation of supplies that are overfilled or leak due to improper storage, improper cleaning agents, or other damaging chemical components.
- Damage due to improper exposure to extreme temperatures (e.g., frost cracking, thermal deformation of components, etc.)
- Damage from permanent exposure to ultraviolet radiation.
- Damage caused by inadequate maintenance.
- Any damage caused by failure to follow the instructions in the instruction manual
- Any product that has been repaired by an unqualified professional.
- Any product connected to an unsuitable power source (amps, voltage, frequency).
- Any damage caused by external influences (water, chemicals, physical, impacts) or foreign substances.
- Use of unsuitable accessories or parts.
- It does not cover defects in normal wear and tear parts, nor does it cover damage or defects resulting from abuse, accidents or alterations, nor transportation costs.

Furthermore, the warranty is voided if the product has been altered or modified, or if the trademark/serial number of the machine has been defaced or removed.

Routine maintenance, tuning, adjustments, or normal wear and tear are not covered under this warranty.

This manual does not cover all possible situations regarding warranty exclusions; for more information, please contact your nearest Anova distributor.

### **6.3. In case of incident**

The warranty must be correctly completed with all the requested information and accompanied by the purchase invoice.

Anova reserves the right to refuse any claim where the purchase cannot be verified or where the product was not properly maintained (maintenance, clean ventilation slots, lubrication, regularly maintained carbon brushes, cleaning, storage, etc.).

Private use is defined as personal domestic use by an end consumer. Commercial use, on the other hand, means all other uses, including uses for business purposes, income generation, or rental. Once the product has been used for commercial purposes, it will be considered a commercial product thereafter for the purposes of this warranty.

These are our standard warranty terms, but occasionally there may be additional warranty coverage not specified at the time of publication. For more information, please contact your nearest authorized Anova dealer or visit [www.millasur.com](http://www.millasur.com).

Warranty service is only available through authorized Anova distributors. You can find your nearest distributor on our distributor map at [www.anova.es](http://www.anova.es).

## 7. ENVIRONMENT

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It is essential to ensure that products and their components are disposed of responsibly to protect the environment. Below, you will find general guidelines for the proper disposal of various materials used in your machine.

Dispose of your machine in an environmentally friendly way. We shouldn't throw machines away with the regular household waste. Their plastic and metal components can be sorted according to their type and recycled.

When disposing of machinery or metal products, it's important to remember that their metal components, such as iron, steel, or aluminum, must be properly recycled at metal recycling facilities. This will contribute to their potential reuse in the manufacture of new products.

### Oils and Fuels

Used oils and fuels, among other things, must be recycled properly. Do not pour these liquids down drains, into soil, rivers, lakes, or seas, as they can cause serious environmental damage. Take them to a recycling center or specialized collection point. This process helps prevent water and soil contamination and allows for the safe reuse of oils, if possible.

### Plastics

Plastics should be separated and taken to designated recycling points. Do not throw them away with regular household waste. Plastics can be recycled, helping to reduce waste.

### Cardboard

Packaging materials, such as cardboard, are recyclable. Be sure to separate clean, dry cardboard and place it in designated recycling containers or at an official waste collection point. Do not dispose of it with household waste.

### Batteries

Batteries and other electronic components from machines must be disposed of at designated collection points to prevent the release of toxic substances into the environment. Do not throw them away with regular trash. Take them to appropriate recycling centers for safe and responsible handling.

By following these guidelines, you contribute to environmental protection and resource conservation. For more information on material disposal and recycling, please contact your local authorities and consult the necessary information.

## 8. PARTS BREAKDOWN

