

Manual Paint Dispenser

User Manual



I ACKNOWLEDGEMENT

This is Instruction Manual and Service Manual for Foshan YiJiu Manual Paint Dispenser. Please study this entire User Manual carefully before using this product.

II PREFACE

Thank you for purchasing our product. This User Manual instructs you how to safely operate the dispenser, how to install canisters, how to change gauges, how to maintain and repair the dispenser, etc.. Improper operation and use will shorten the life of dispenser and cause damage. Please must read carefully the operation instruction and keep this manual in a safe place for future reference. If you have any queries, please contact our after-sales service personnel at 0086-(0)757-22173297 or 0086-13924817073.

III BASIC INFORMATION

1. Please check if the product is following the packing request and if there are any components damaged or lost during transportation.
2. The dispenser is AC-powered. Voltage is shown on the dispenser's name plate. Please use socket with earth wire.
3. This dispenser offers both automatic timing stirring and manual stirring functions. Note: the dispenser should be kept power on during automatic timing stirring.
4. Before maintaining or repairing the dispenser, please turn off the power and unplug the socket.

IV TERMS OF WARRANTY

Limited Warranty: We offer a period of one year warranty for each equipment. Within guarantee period, we can help you judge the fault according to the failure phenomenon by E-mail. and send replacement part to you. If the fault has been caused by mis-use or abnormal conditions of operation, repairs will be billed at a normal cost in this case. An estimate will be submitted before repair work is started in case requested.

The user must keep the machine in a proper working condition. Broken parts and accessories must be replaced with original appropriate parts of the machine.

The manufacturer's warranty expires under below conditions:

Twelve months after date of invoicing;

In case of inexpert use;

In case of non-original spare parts are used;

In case of repairing/adaptation of the machine without written approval and/ or by unauthorized personnel;

In case of non-fulfillment of the maintenance, operation or other instructions reflected in this manual.

V PRODUCT INTRODUCTION

1. The dispenser produced by our company ensures high accuracy, high repeatability, easy operation and good durability.
2. The measuring unit of canister gauge is divided into two categories, one is US unit "Y" (1 "Y" is approximately equal to 1 ounce), and the other is metric unit "ml" (1 "ml" is approximately equal to 1 millilitre).

VI HOW TO READ CANISTER GAUGES

1. If the bottom of black gauge marks "31.25/48", i.e. "1Y=48cells=31.25ml", then the measurement method is as follows: the weight at black gauge reticle "28" equals $28 \times 31.25/48$.

2. If the bottom of red gauge marks "31.25/384", i.e. $31.25/384=1$ red cell=0.08ml, then the measurement method is as follows: the weight of red gauge "1"=8 red cells=8*31.25/384.
3. If the bottom of black gauge marks "6ml", i.e. "1cells=1ml", then the measurement method is as follows: 10cells=10ml at black gauge.
4. If the bottom of red gauge marks "7ml", then the measurement method is as follows: the weight of red gauge "1"=10 red cells=1 ml, 1 red cell=0.1ml.
5. Note: When you operate with double pumps double gauges, please use black gauge in even number for those gauge numbers above "6" and use red gauge in odd number for those gauge numbers below "6".

VII HOW TO INSTALL THE DISPENSER

1. Unpack the case and then take out the canisters packed in paper boxes.
2. Lie the dispenser crate on the floor, and make sure it is stable and not shaky.
3. Put the turntable on the 5 rubber rollers above the dispenser crate. Put the shaft sheath of turntable on the semi-circle motor shaft which is set in the middle of dispenser crate. Then put the off-centre shaft sheath onto the off-centre semi-circle motor shaft. And put the centre hole of driving plate above the off-centre semi-circle shaft.
4. Take out canisters from paper boxes, and insert the stainless crankshaft of canisters into each white plastic hole on the eight angle driving plate. The crankshaft should be inserted through the hole. And then put on three screws from underside of turntable to fix the canister.
5. Note: If there is power wire on the centre shaft of dispenser crate, please penetrate the power wire through the turntable shaft sheath, and then cover the crate centre shaft with sheath. Last, insert the power cord plug onto the socket of circuit board.
6. Take out canisters from the paper boxes: for those canisters equipped with motor instead of stainless crankshaft, you only need to fix the canisters onto turntable with screws, and insert the power cord plug of each canister onto the circuit board. Note: After installation, please don't separate the turntable from dispenser crate. If you need to do that, please unplug the sockets of all canisters first. Otherwise, the electrical appliances will be damaged.
7. Simultaneous Stirring Dispenser: after installing canisters, please open the lid of canister, slightly push the turntable counterclockwise. Observe if all stirrers are working. If any stirrer doesn't work or the turntable is unmovable, it means that stainless crankshaft of the canister is not properly inserted to the plastic hole of driving plate. Remove the screws of that canister and reinstall, until all the canisters' stirrers are working properly and the turntable can turn several rounds when pushed by hand. Now the dispenser can be used.
8. Canisters equipped with motors: please just fix the canisters onto the turntable and plug the power wire of canister motor to the circuit board socket. Check and make sure all plugs are tight and safe, turn on the power of the dispenser, and switch to "hand stirring". Observe if all stirrers are working. If any or several stirrers don't work, please turn off the power and unplug the socket. Inspect if the power wire of those canisters is well connected to the circuit board socket, until all the canisters are stirring. Then turn the switch to automatic stirring. Now the dispenser can be used.

VIII EVACUATION BEFORE USE

1. Manually stir all kinds of colorants and pour into each canister, and then put on color stickers. Cover the canisters with lids. Note: For new machines, please must evacuate before pouring colorants. You don't need to evacuate again for future use. If you do evacuation incorrectly, air might flow in. For example, if the valve is not closed when you draw the red handle up, air would come in. You need to re-do evacuation when any air comes in.
2. Unfold the supporting plate, and move up the plate to proper height.
3. Fix the position of canister that you want to evacuate: press the red ball handle on the left of dispenser case, slightly push the turntable, and then release the hand pressing red ball handle. Operating rod will lock the position

hole and you can see the canister that you want to evacuate is now right in front of you, in the middle of supporting plate.

4. Put container onto the supporting plate, let the nozzle of canister point to the opening of container.
5. Keep pressing inward the black button with your thumb, and draw the black gauge up to "1" Y position. release the black button. Then the black gauge will automatically lock at "1" Y. Slowly draw the red handle up to top, and slowly press down. Repeat 6~7 times. After that, hold the black gauge with right hand, and use left thumb to press inward the black button. Then slowly put down the gauge on right hand and release the left thumb. Then the black gauge return to "0" position.
6. Keep pressing inward the red button with your thumb, and draw the red gauge up to "6" position. release the red button. The red gauge will automatically lock at "6". Then slowly draw the red handle up to top, and slowly press down. Repeat 2~3 times. After that, hold the red gauge with right hand and use left thumb to press inward the red button. Slightly put down the red gauge and release the left thumb. Then the red gauge return to "0" position.
7. Make sure the canister nozzle is pointing to the opening of container. Press the black button, draw the black gauge up to "1" Y, and release the black button. Then the gauge will be locked at "1" Y. Draw the red handle up to top and turn the valve handle with right hand to the maximum position, i.e. the handle should be almost at the same straight line with nozzle. Then slowly press down the red handle and observe if the running colorant is continuous. If the colorant is running discontinuously, it means there is air inside the pump. In this case, please release the handle, slowly press down until the colorant runs continuously. After operation is finished, please be sure to return the gauges back to "0" position.
8. Inspect the evacuation status: Turn the valve handle to the maximum counterclockwise without any other operations. If the nozzle doesn't have any leak of colorants, it means that evacuation is done. If any leaks, then just repeat the evacuation steps until it is fully evacuated. Now, you can start to follow the formula to mix the color.

IX OPERATION INSTRUCTION

This dispenser offers both automatic stirring and manual stirring functions. If you use automatic stirring function, please turn on the power, micro-computer timer will stir every 4 hours automatically, and the stirring time is 5 minutes. The dispenser should be kept power on during automatic stirring.

If you use manual stirring, you only need to press the power button, After 5 minutes stirring, it will stop automatically.

X FORMULA DISPENSING

1. Get the formula for expected color, including colorant types and amount.
2. Put the primer container on its supporting plate, press down the red ball handle on the left of dispenser case, and push the turntable to make sure the wanted colorant canister nozzle is right above the primer container. Then release the red ball handle, and lock the turntable. Now the wanted colorant canister is in front of you.
3. Choose black gauge or red gauge according to the weight of formula. Choose black gauge for numbers over "6", and choose red gauge for numbers below "6".
4. Operation of colorant measurement: please press the black or red button, draw the black or red gauge up, and make sure the needed reticle is aligned to the red handle surface. Then release the black or red button, and make sure it is locked on the needed reticle.
5. To make sure the measurement is correct, please slowly draw the handle up to the top and hold for 3~5 seconds. Then turn the valve handle, slowly press down the colorant. The valve handle will return automatically because of the built-in torsion spring. Put back the gauges to "0" position. Repeat the above steps until all the colorants are fully poured into the primer container. Now the formula color matching is done.
6. In case some colorant dispensing needs both black gauge and red gauge, please operate separately. That means to operate black gauge first, return black gauge to "0", and then start to operate the red gauge.

7. After using, both black gauge and red gauge should be returned to "0" position. That means the red handle surface should be aligned to the "0" reticle.
8. The red gauge serves as a precise gauge. When you press the black or red button to "0", never allow free falling of the gauges, which will cause damage of the gauges. Please make sure you use one hand to press the button and the other hand slightly put back the gauges to "0".

XI MAINTENANCE AND REPAIRING

1. Keep the dispenser case and canisters clean;
2. Inspect if all stirrers work during dispensing colorant;
3. Check if the rubber O-ring on valve handle of canister is lost;
4. Check the amount of canister colorant. Add in time when insufficient;
5. Inspect if the canisters get loose (if yes, please fastener with special tool);
6. Inspect if the gauge shaft get loose (if yes, please fasten with special tool. But don't be too hard during fastening to prevent sliding).

XII TROUBLESHOOTING

PROBLEM	REASONS	ACTION
Motor doesn't work	<ol style="list-style-type: none"> 1. Power wire is not connected. 2. Fuse wire is burn out. 3. Long time no stirring, so colorant subsides. 4. Electrical terminal get loose. 5. Motor is damaged. 	<ol style="list-style-type: none"> 1. Inspect the power wire and plug. 2. Change fuse wire. 3. Manually stir the colorant subsides, and then turn on power to stir again. 4. Open the dispenser case and make the electric terminal tight. 5. Change new motor.
One or more canisters don't stir	<ol style="list-style-type: none"> 1. The crankshaft of canisters is not inserted into the driving table plastic hole. 2. Canisters with motor: electric wire plug get loose or motor is damaged. 	<ol style="list-style-type: none"> 1. Remove the screws that connect the canister with turntable, reinsert the crankshaft into the plastic holes of driving table. 2. Plug the power wire to the circuit board socket tightly, or change new motor.
The gauge cannot be locked to the needed reticle	<ol style="list-style-type: none"> 1. The connecting pin on needle sheath breaks off. 	<ol style="list-style-type: none"> 1. Use cross crew driver to remove the two screws beside buttons, and replace with spare needle and needle sheath. Fasten the screws to connect the needle sheath with buttons.
There is colorant on the gauges	<ol style="list-style-type: none"> 1. Pump plunger patch is damaged. 	<ol style="list-style-type: none"> 1. Change new plunger patch.
colorant cannot run out during dispensing.	<ol style="list-style-type: none"> 1. The valve is not opened when pressing the handle or valve is not fully opened. 2. The canister nozzle is blocked. 	<ol style="list-style-type: none"> 1. Turn the valve handle counterclockwise to maximum position and slowing press down; 2. Turn the valve handle counterclockwise; use toothpick to clean blocked nozzle, or take off the nozzle and clean it. After installation, do evacuation before operation.

XIII RETURN TO FACTORY SERVICE (CANISTERS)

1. Valve, pump and canister are all damaged: return the whole canister to factory for repairing.

2. If valve and pump need to be returned to factory, please pour the colorants into a container and seal the container. Use special tool to remove the screw between pump and canister and pull up the plastic fixing ring. Take off the valve and pump by slightly turning the pump counterclockwise. Keep safe the O-ring which is between valve and canisters. Use plastic bag to block up the nozzle on canister to avoid the dried-up of balance colorants inside canisters. After the pump and valve are repaired, fix the O-ring, turn the pump and valve clockwise to connect them with canisters. Put fixing ring 2 (part 53 in attached assembly diagram) onto the fixing ring 1 (part 54 in attached assembly diagram) of canister, and then fasten the screws to fix these two fixing rings. Now you can use the canister again.

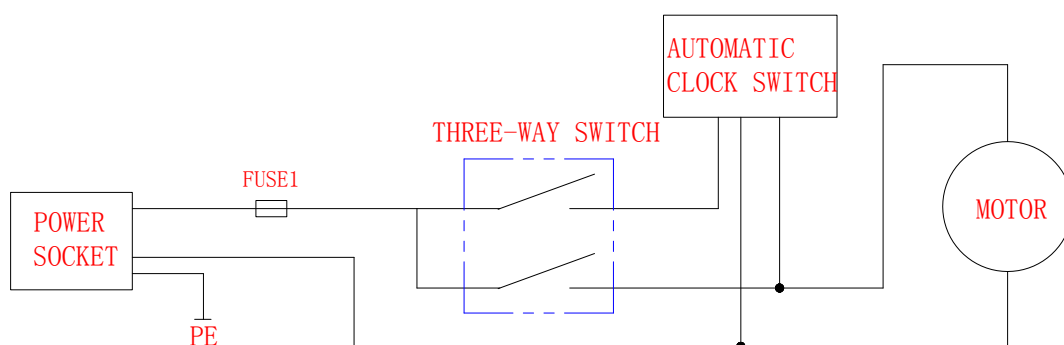
XIV DETAILED RULES AND REGULATIONS

1. The dispenser has been professionally tested and inspected before shipment. The customer doesn't need to do any further tests.
2. This product enjoys 1-year warranty, and life-long maintenance. We charge repairing cost for those that have expired warranty period or are caused by human factors.
3. When the dispenser that has colorant inside or is left unused for a long time, please must stir 3 times per day or pour the colorants into containers and seal the container. And use water or special cleanser to clean the canisters.

Thank you for your support and cooperation. If you have any advices, please call us at 0086-(0)757-22173297.

XV APPENDIX

1. Circuit Diagram of Manual Dispenser
2. Double Pumps Canister Assembly Diagram



CIRCUIT DIAGRAM