



Fast & Fluid Management

Manual TM280 English

version 2.0

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Warranty regulations

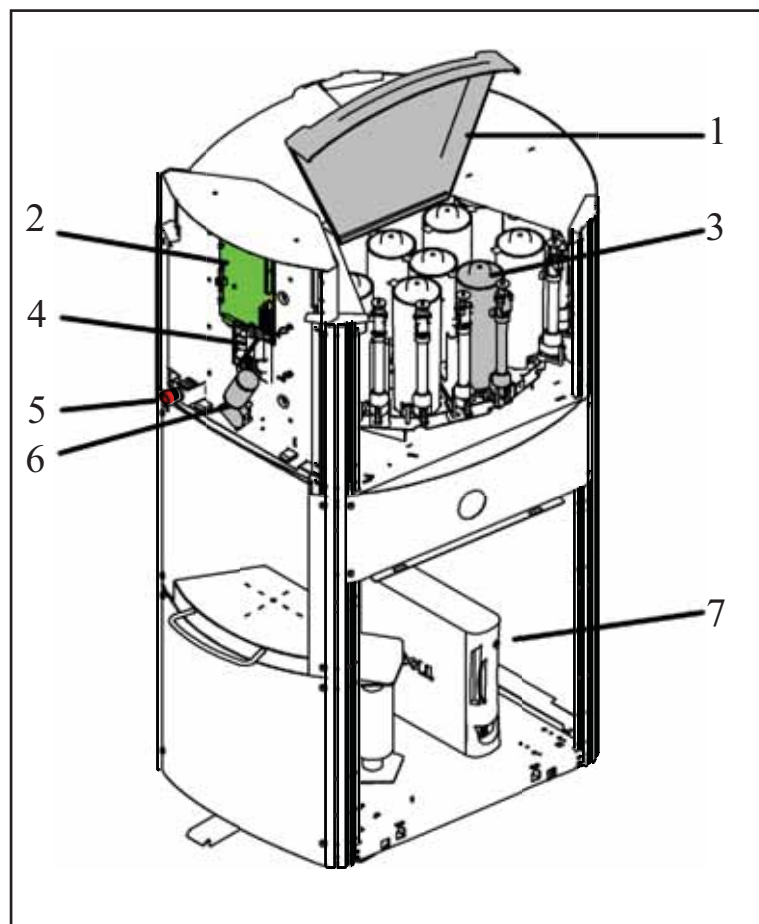
In these warranty conditions Fast & Fluid Management is referred to as 'F&FM'. The warranty conditions that are included in the general conditions and terms of sales are to be summarized as follows (you can get a copy of the general conditions and terms of sales with F&FM for free):

F&FM guarantees the correct functioning of its equipment for one year, except if a failure should occur that is the direct consequence of normal wear and tear. The inspection in order to verify if a failure is covered by the guarantee that is executed by F&FM shall be paid by the counterparty, if said failure proves not to be covered by the guarantee. If the failure turns out to be covered by the guarantee, F&FM will provide an identical or similar product under the conditions named in part 6 of the general conditions and term of sale. The warranty obligation described in this article only applies if the goods supplied by F&FM have been used in accordance with the manual. Time spent on warranty-related activities, including travel time, travel costs and accommodation costs, are charged at current rates.

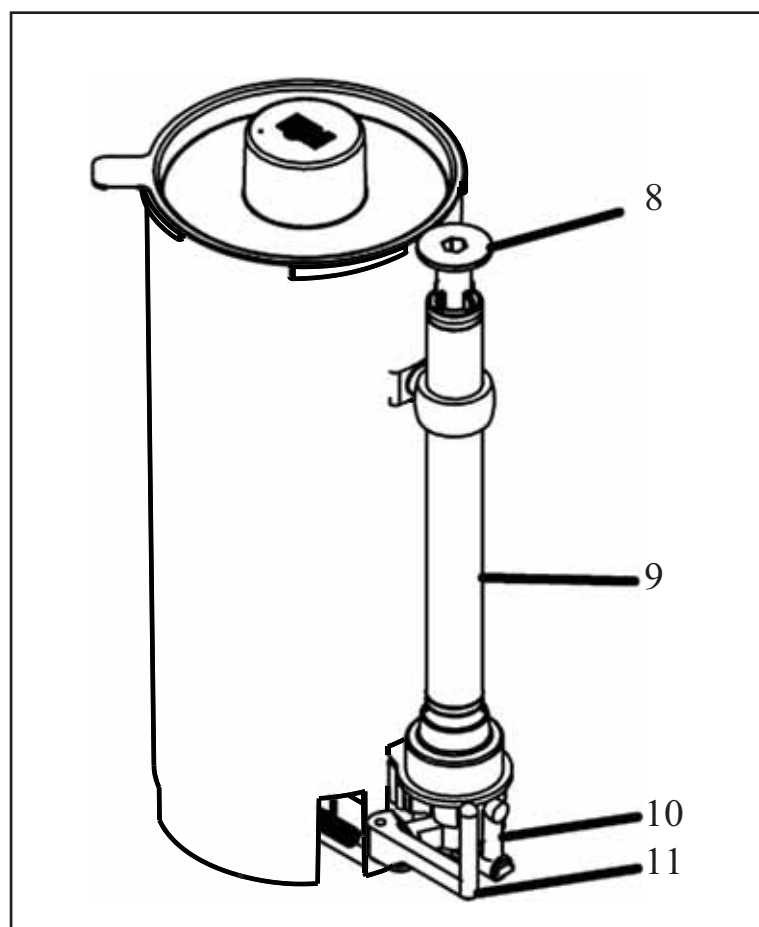
Contrary to what is stated above F&FM will in no case be committed by warranty if:

1. The failure should be repaired by the counterparty or a third party or if an attempt should be made to repair by the counterparty or a third party;
2. The counterparty does not immediately inform F&FM in writing about the failure in a complete and detailed manner and/or does not comply with F&FM's instructions;
3. The counterparty has used or treated the machine in an erroneous fashion or in contradiction with F&FM's instructions;
4. The damages are the consequence of circumstances outside the control of F&FM which occurred during transportation or installation.

Explanation of images



1. Top lids
2. Power Board
3. Pump/canister assembly
4. Pump gripper spindle & spindle
5. stepper motor
6. Emergency stop
7. Valve gripper actuator
8. Computer cavity
9. Disc grip
10. Pump tube
11. Nozzle wiper
12. Nozzle



Safety Instructions



Attention! Before installing the equipment and setting it in operation, please read the instructions for use carefully. This is safer for yourself and prevents unnecessary damage to the machine.

F&FM will not accept any liability if the following instructions are not observed:

1. Do not use damaged dispensers (damage might occur during transportation). When in doubt, always contact your servicer or supplier before proceeding.
2. Always install and connect the dispenser according to the installation instructions.
3. All local safety regulations and decrees must be respected.
4. Connect the dispenser only to a fixed socket outlet with safety ground and 230 V / 50 Hz or 100-110 V / 50-60 Hz, according to the instructions.
5. The user should make sure that the dispenser is kept in good conditions; defective components should be replaced immediately.
6. In order to avoid physical injury, during normal usage, all doors should be closed and all panels fixed.
7. Maintenance operations that go beyond routine operations should only be performed by qualified technicians. During repairs the power cord should be safely removed from the fixed socket outlet.

Specific warnings and tips



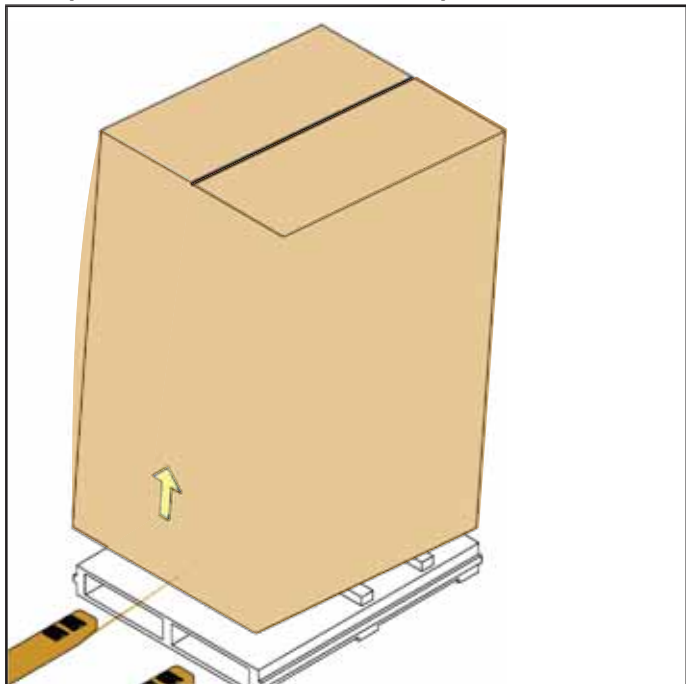
Attention! Switching off the dispenser with the emergency stop will also stop colorant agitation.



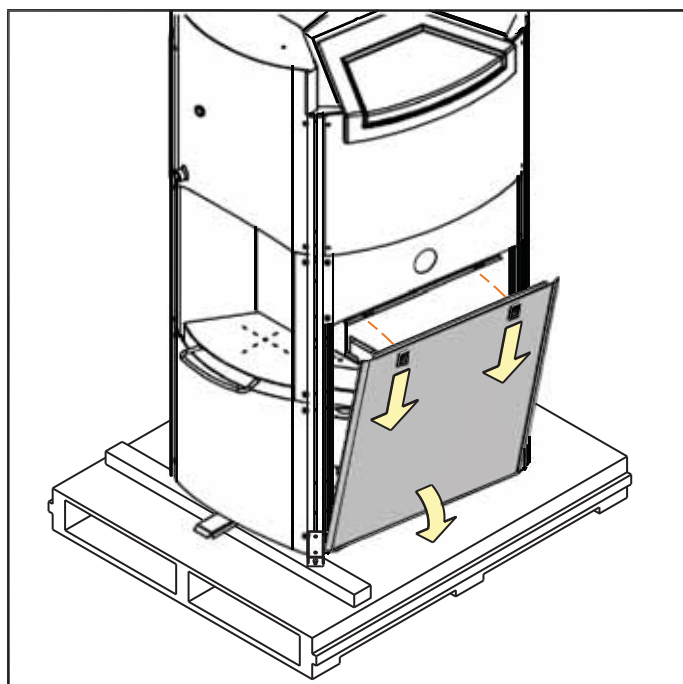
Attention! MOVING PARTS CAN CAUSE INJURY. Always turn off power (e.g. by pressing emergency stop) before accessing moving parts.

Installation

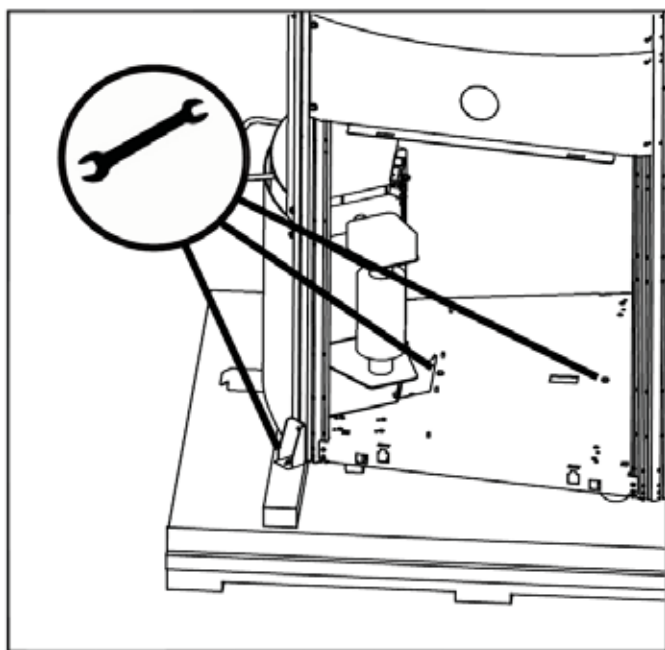
Step 1 - Detach the dispenser from its transport skid



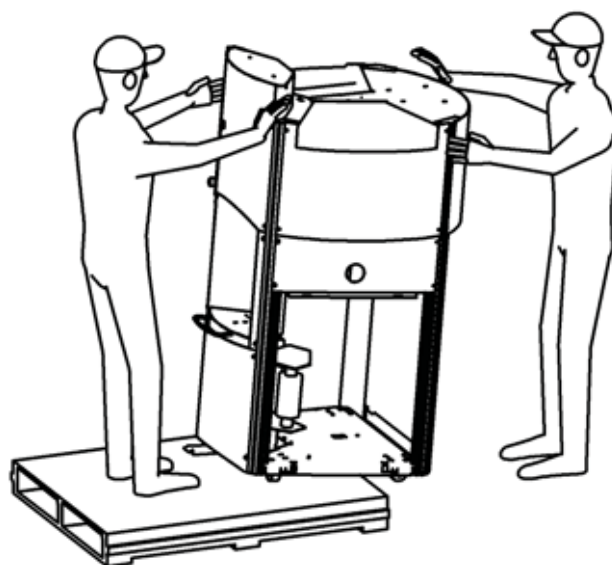
Place the transport pallet near the definitive location of the machine. Remove cardboard box, plastic wrapping and accessory parts.



Remove one of either side panels



Unscrew transport the transport screws
Connecting the machine to the skid from the
inside of the computer cavity. Detach the
supporting wooden blocks.



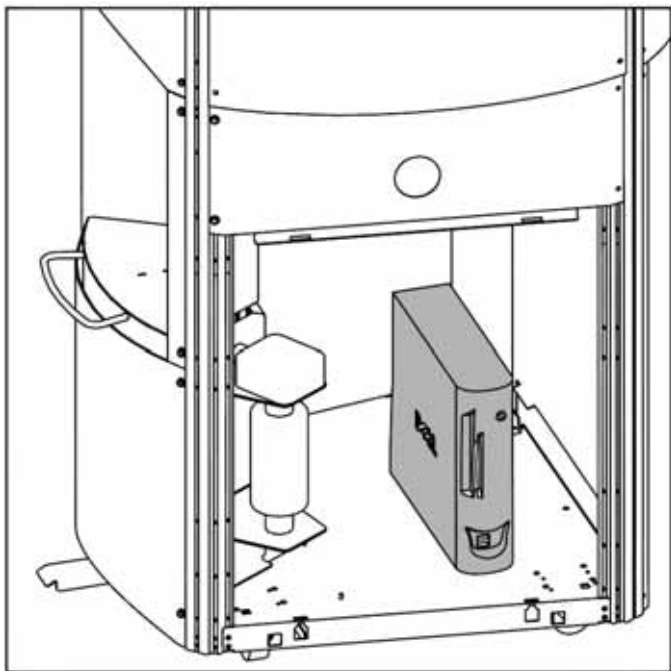
Move the machine off the pallet.



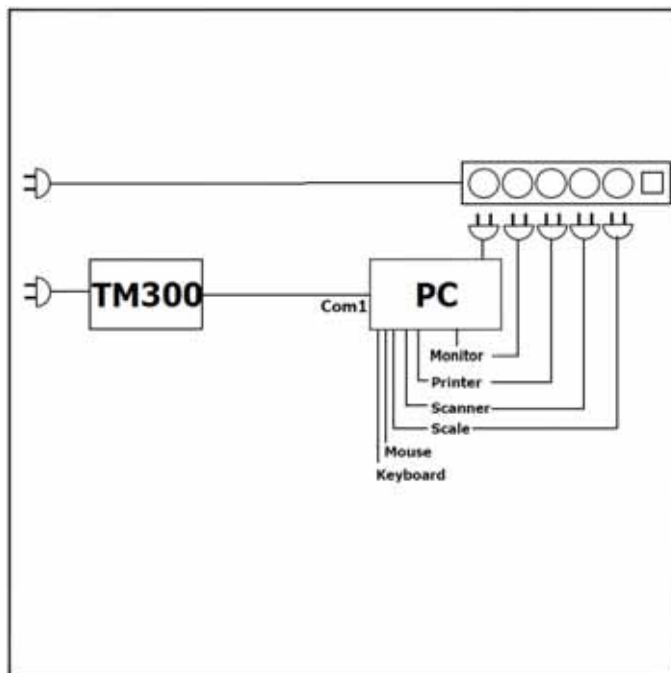
Keep the fastening bows of the pallet, the two wooden beams and the two foam parts for possible future transportation.

Installing the computer and the software

Step 1 - Place the computer



Place the computer in the cavity



Connect the dispenser as indicated in the image above.

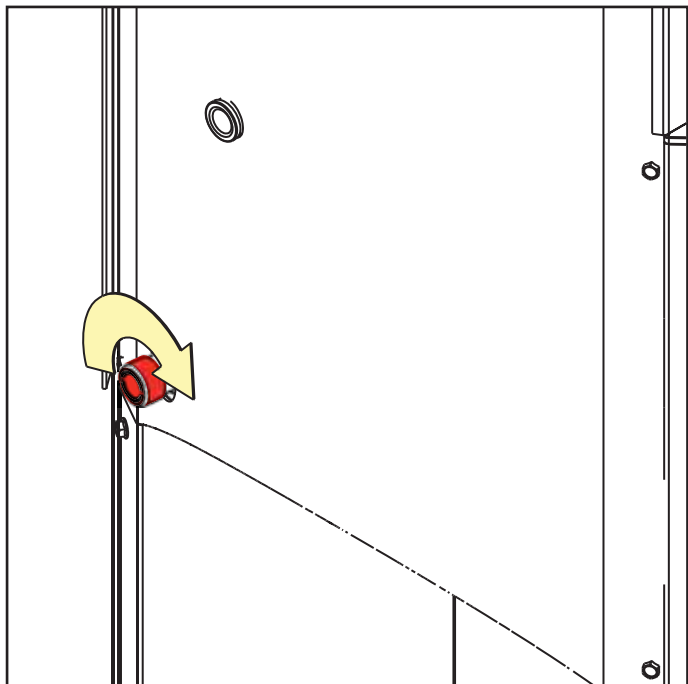
Step 2 - Install the dispensing software

your dispensing software. The dispenser's functionality shall be greatly determined by the dosage software. Therefore it is important to thoroughly read the manual for the software for optimum dispenser efficiency.



Consult the software manual for installation instructions

Turning the dispenser & computer ON



im. 3-5

Turning on:

- Make sure the power cord has been correctly connected. (110/230VAC, 50/60Hz, 10Amax) see: dispenser summary #21(im. 3-3).
- Unlock emergency stop switch see: dispenser summary #2(im. 3-1), the dispenser will automatically start up.

Turning off:

There is no reason to turn off the dispenser; switching off the PC is enough. If for some reason it would be necessary, the dispenser can be switched off in the following ways:

- Switching off only the dispenser: push the emergency stop switch (see: dispenser summary #2(im. 3-1)). Do not use the emergency stop switch too often as this also causes the stirring mechanism to stop.
- Switching off entire dispenser: Remove power cord, this also stops the stirring function.



Caution! Switching off the dispenser with the emergency stop switch will also cause the stirring mechanism to be turned off.

Agitation timer



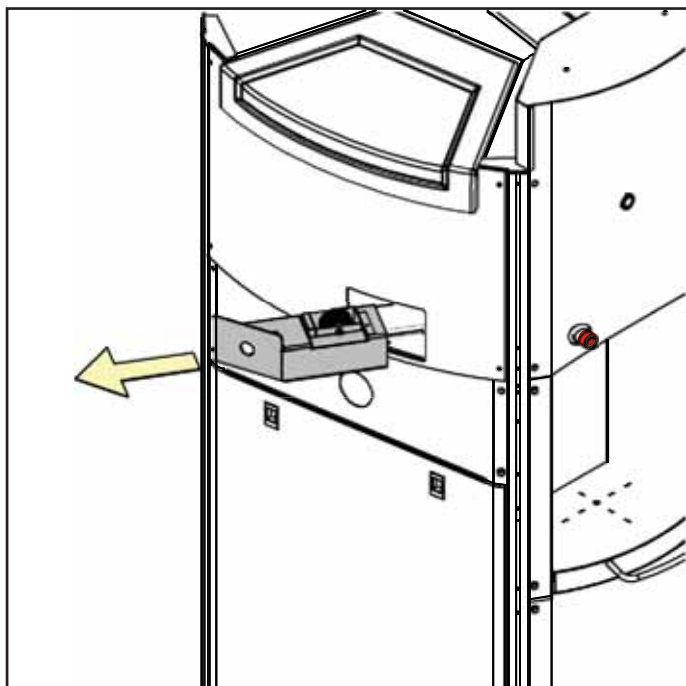
im. 3-5

The stirring time and interval can be altered from its default settings*. This can be done through the dispenser software, check your software manual for instructions.

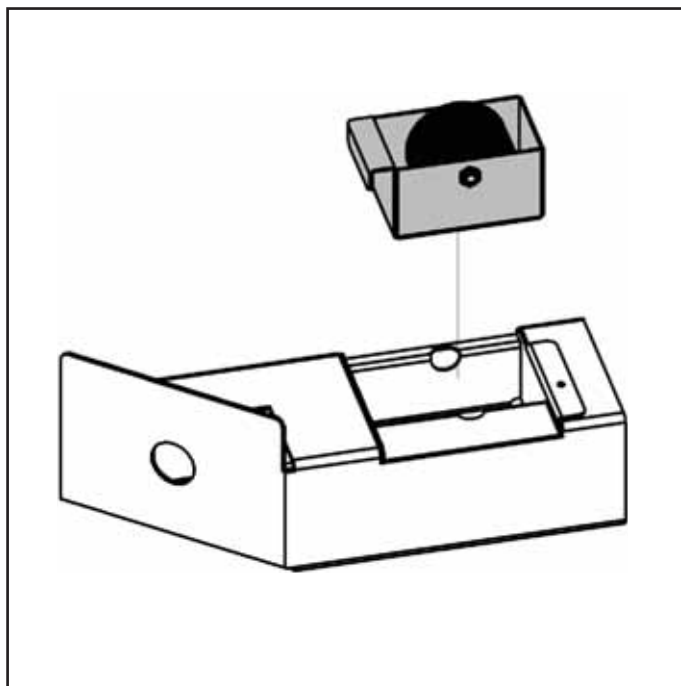
Please ask your paint supplier for optimal agitation settings for your specific colorant Products.

* Default value is 180 seconds of agitation every 3 hours.

Fill the brush tray (nozzle cleaning system)



Remove the brush tray at the left side of the dispenser.

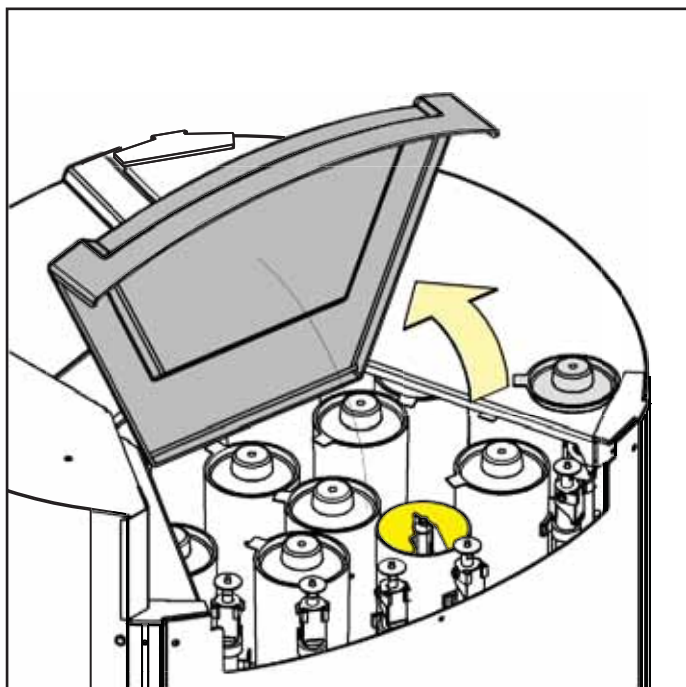


Fill the container with water or an alternative liquid proposed by your paint supplier. Replace the brush tray in its original position. Cleaning fluid must be refreshed daily!



Use only cleaning fluids recommended by your paint supplier. Wrong materials can result in nozzle blockage and reduced accuracy.

Fill the canisters with colorant

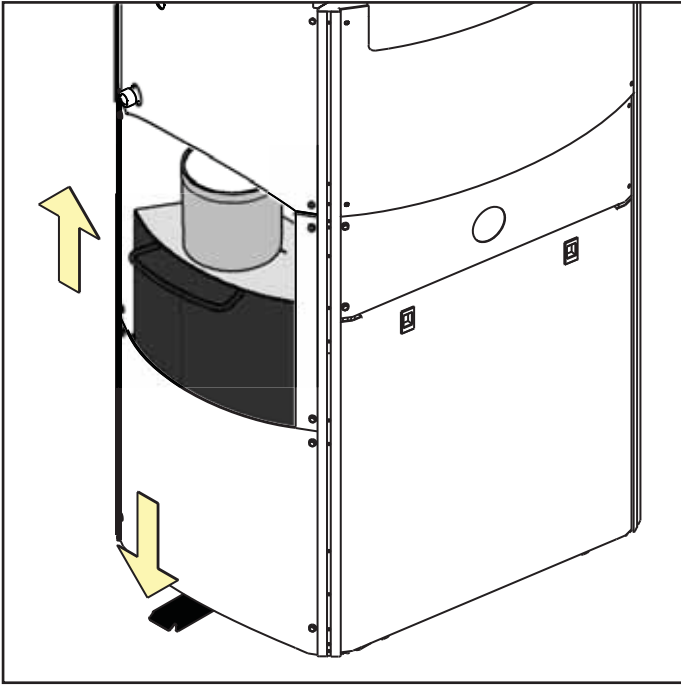


Access the canisters from either side top lid and remove the canister lids.



Check your software manual for filling sequence. Run software purge program twice to remove air from system.

Dispensing



Place the can at the center of the can table cross hair.

Lift the can table upward (unlock by pressing down the foot pedal) *dispensers with optional can lift only

Bring upward as far as possible. This is the optimal dispensing position.

Ensure can opening is under the dispenser nozzle and at its optimal height.

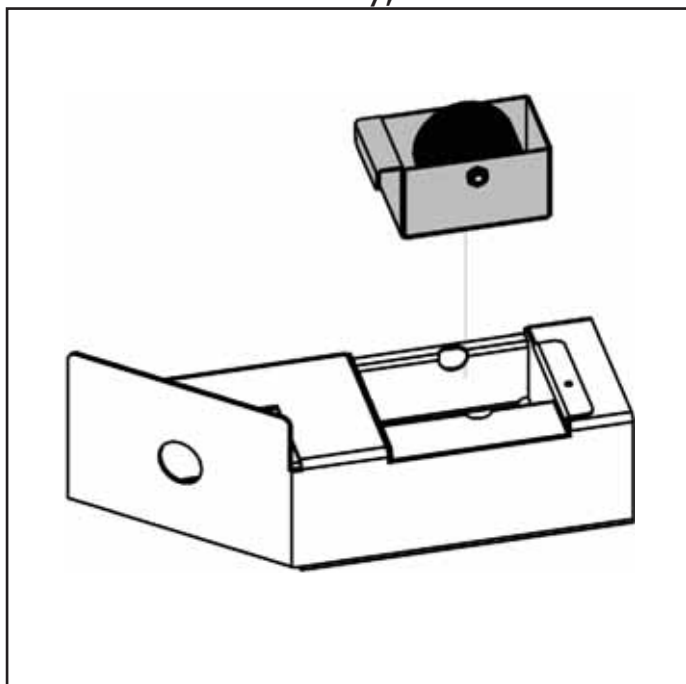
Choose desired formula as shown in software manual. The turntable will subsequently rotate to correct positions. Remove can, dispensing is now complete.



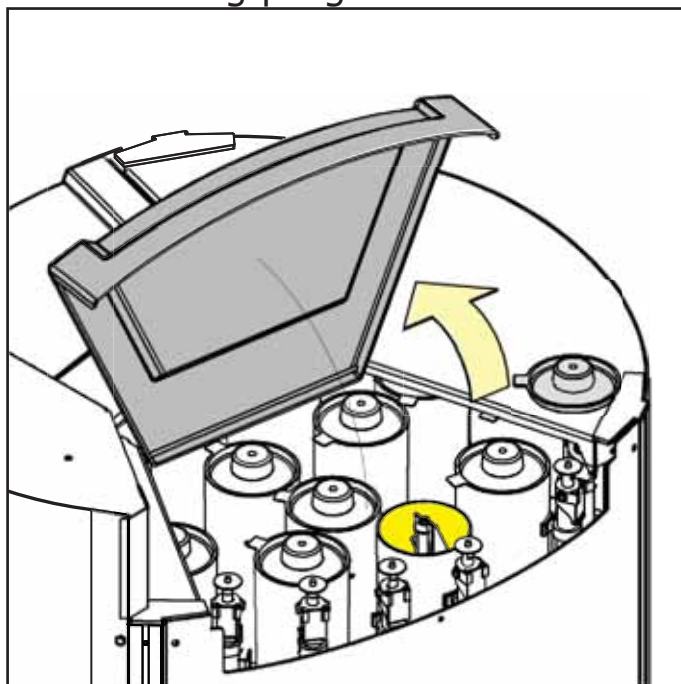
Dispensing is mainly a software issue. Please read your software manual thoroughly for all possible options.

Daily Maintenance

Clean the brush tray, refill canisters and run morning program



Remove the brush tray and empty the container. Clean the brush with water and refill the container with correct fluid (e.g. water).



Fill canisters if level is low and update levels in software. Stir colorant beforehand.



Start software morning program to purge valves and clean nozzles. Check your software manual for details.

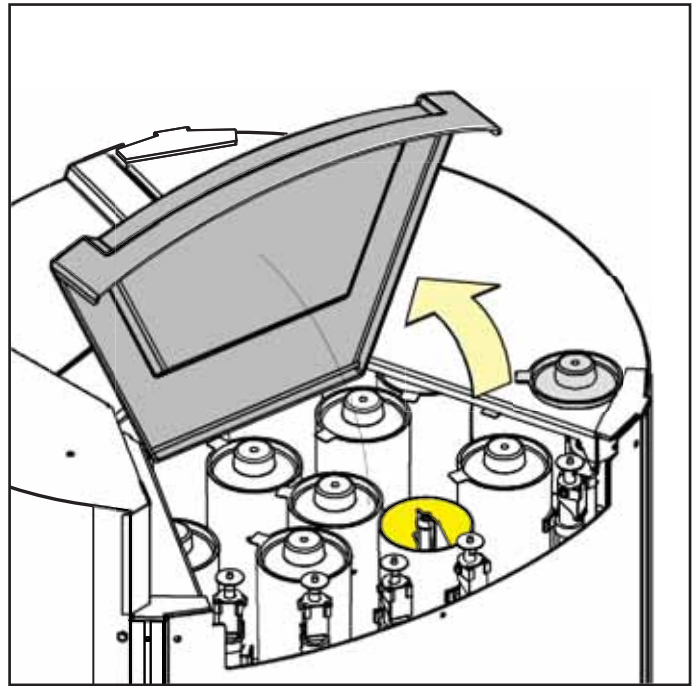


Use only cleaning fluids recommended by your paint supplier. Wrong materials can result in nozzle blockage and reduced accuracy.

Weekly Maintenance

Remove spilt paint & colorant and refill canisters

Clean can table and outside parts with diluted detergent.



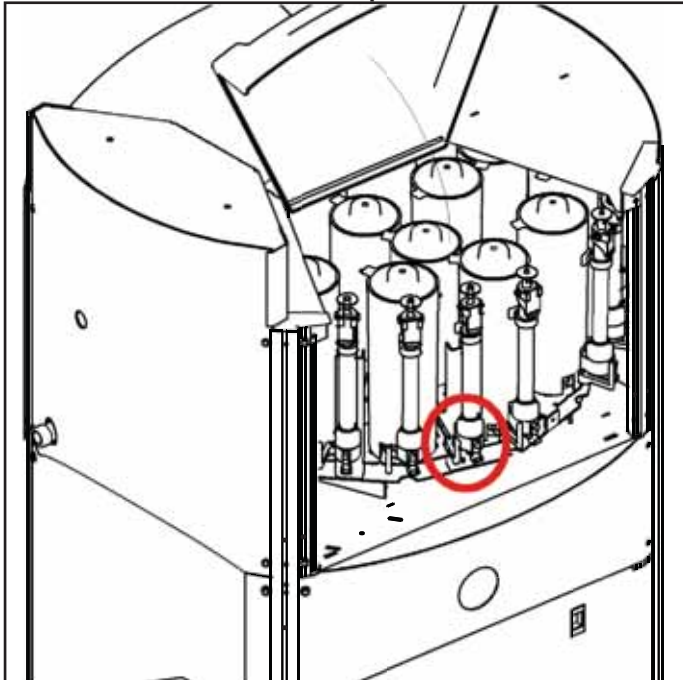
Check canister content and refill if necessary.



Always close canisters and machine lids after refilling.

Monthly Maintenance

Check and clean important functional parts



Remove back panel and check pump valve for possible malfunctions (e.g. leakage or blockage).



Attention! MOVING PARTS CAN CAUSE INJURY. Always turn off power (e.g. by pressing emergency stop) before accessing moving parts.

Troubleshooting

Before calling your supplier or the service department, please check if you can solve the problem yourself. If that does not work, you can call the service department for advice. Have the serial number and dispenser type ready (you can find the serial number on the frame, on the front of the dispenser (see im. 3-2 #15) or next the net entry on the back side of the dispenser (see im. 3-3 #20). Use the table below to determine whether you can solve a problem yourself or if you need to call the service department. You should never remove side panels from the dispenser, only certified personnel are allowed to do this. This table does not contain any error codes from the dispense software; please consult the software manual for these.



Caution! MOVING PARTS CAN CAUSE INJURY. Always switch off the power (e.g. with the emergency stop) before approaching moving parts.

| Symptom | Cause | Action |
|--|--|--|
| Valve leaks through the outlet opening | Air bubble in pump | Prime the pump |
| | Valve is defective | Replace pump "Service" |
| Canister connection leaks around the suction point | Worn O-ring(s) | Replace O-ring(s) "Service" |
| Air is being fed together with the paste | Air bubble in the pump | Prime the pump |
| | Canister is empty | Refill canister |
| | Piston is defective | Replace pump "Service" |
| (New) software is not working | Program not correctly booted | Reboot computer & software |
| | Software incorrectly installed | Reinstall software |
| No power from power unit | Not connected to power grid | Check power cables |
| | Fuse blown | Remove plug from socket, replace fuse |
| Colours are difficult to reproduce | Mechanisms are dirty | Clean and oil |
| | Quality fluctuations in paste supplied | Contact paste supplier |
| | One or more pastes have thickened | Replace paste(s) |
| | Turntable in wrong position | Reset (press and unlock emergency stop button) |
| | Leaks around piston(s) | Replace piston(s) "Service" |
| Poor monitor picture, or no picture | Monitor is switched off | Switch monitor on |
| | Loose cable(s) | Check cables |
| | Picture set too dark | Adjust picture correctly |
| | Monitor malfunctioning | "Service" |
| Keyboard is not working | Loose cable(s) | Check cables |
| | Windows Regional setting is incorrect | Check Windows software manual |
| | Defective cable(s) | "Service" |
| Stirrer is not rotating | Keyboard is defective | "Service" |
| | Timer setting incorrect | Set the timer correctly (software) |
| | Loose cable | Check cable |
| | Defective cable | "Service" |
| | Defective motor | "Service" |
| Turntable is not turning | Piston rod positioned too high | Set piston in lower position |
| | Cable(s) loose | Check cables |
| | Cable or motor defective | "Service" |

Service and Support

For all service and repairs on Fast & Fluid Management products (including all warranty repairs), call your local Fast & Fluid Management Agent or Supplier.

You can call the Fast & Fluid Management Service: Free toll line:

Phone Number: +61 2 4223 7460

Fax Number: +61 2 4271 7306

Or email on: FAU_Support@idexcorp.com

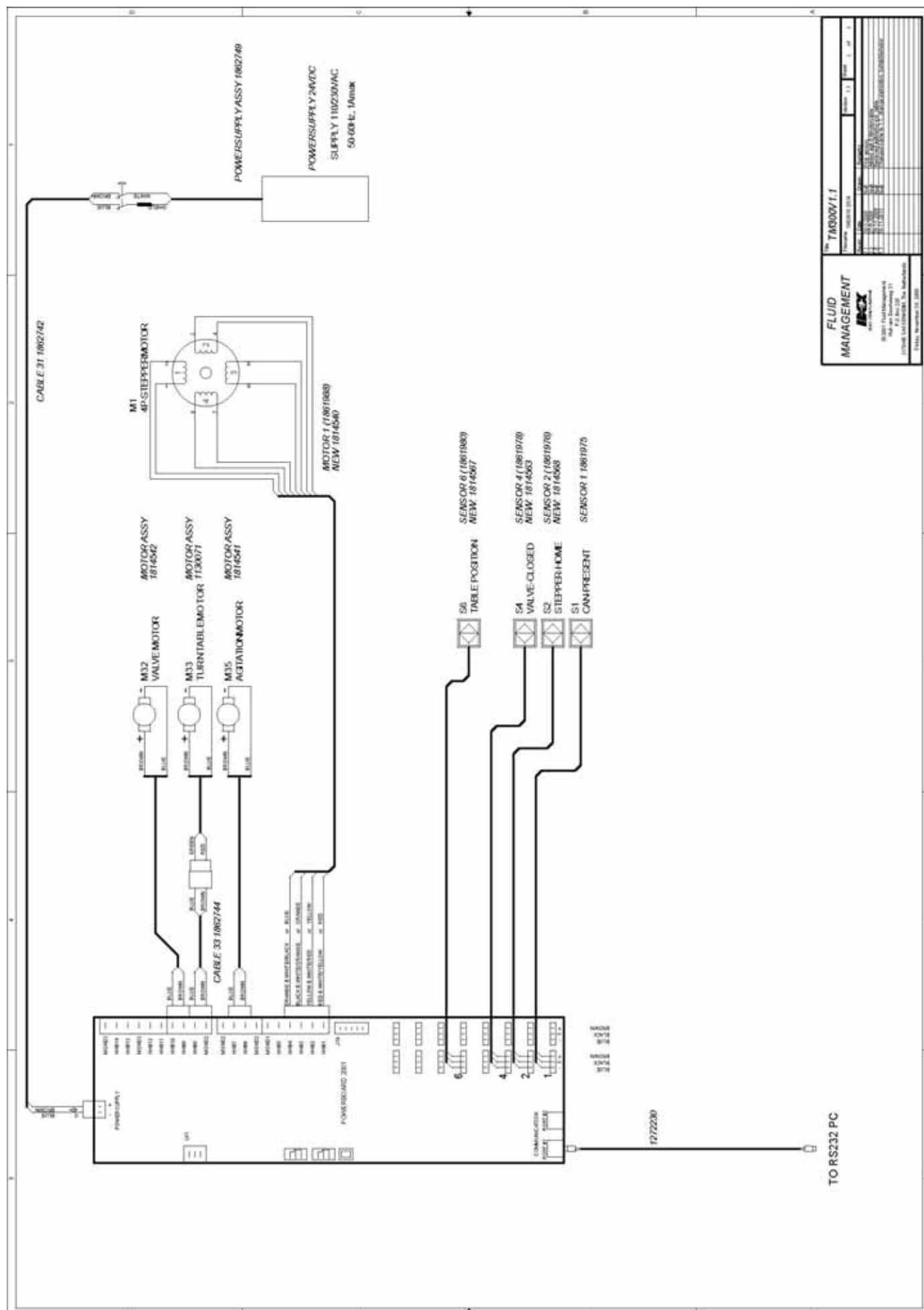
For more information please visit our website www.fast-fluid.com

Please make sure that you have the model number and serial number to hand. They can be found on the nameplate on the machine.

Specifications

| | |
|---|-------------------------|
| Number of canisters | 12/14/16/18/20/24 |
| Canister content | 1.75, 2.5, 3.5 liter |
| Easy Click canister/stirrer (material) | molded polymeric |
| Valves | molded polymeric |
| Pump type | piston pump |
| Pump sizes | 1.64 ounce |
| Min. dispense | 1/384 fl. oz. |
| Accuracy | 0.005 ml/step |
| Flow rate | 0.3 L/min |
| Nozzle closures | integrated |
| Maximal can height | 45cm |
| Can table depth | 25 cm |
| Cleaning system | standard |
| Can detector | standard |
| Stirring timer | standard |
| Moveable can table | option |
| Heating set | option |
| Monitor keyboard arm | option |
| Dimensions (H x W x D) | 156 x 80 x 99 cm |
| Power supplies | 110V +/- 10%, 50Hz/60Hz |
| | 230V +/- 10%, 50Hz/60Hz |
| | |
| *) Theoretical value, depending on the colorant that is used. | |

Electrical scheme



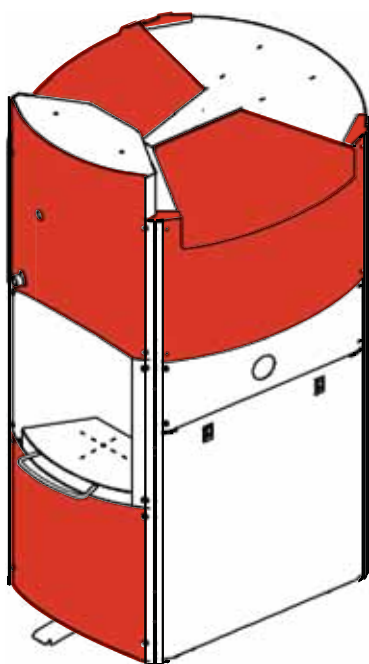
WEEE

Packaging material

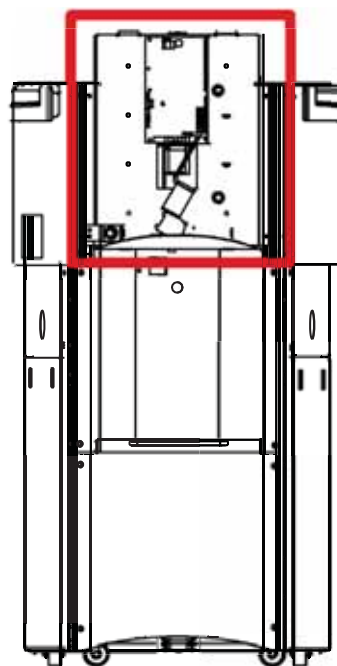
The packaging protects the equipment against damage during transportation. The packaging material was chosen because of its reduced impact on the environment and its waste disposal possibilities. By reusing the packaging, primary materials are saved and less waste is produced. Your retailer will most likely take the packaging back.

Discarding the equipment

In many cases discarded machines still contain valuable materials. Please do not dispose of this machine together with the domestic waste, but ask your supplier for the possibility of returning the machine. If this is not possible, look for possibilities to recycle materials. For example: steel, electrical components and plastic (see below for further instructions).



All parts coloured red are made from lacquered polystyrene



Within the area circled in red (on the front side of the dispenser) there are some recyclable electrical components.



Caution! The canisters may contain chemical waste; bring this to your chemical depot.