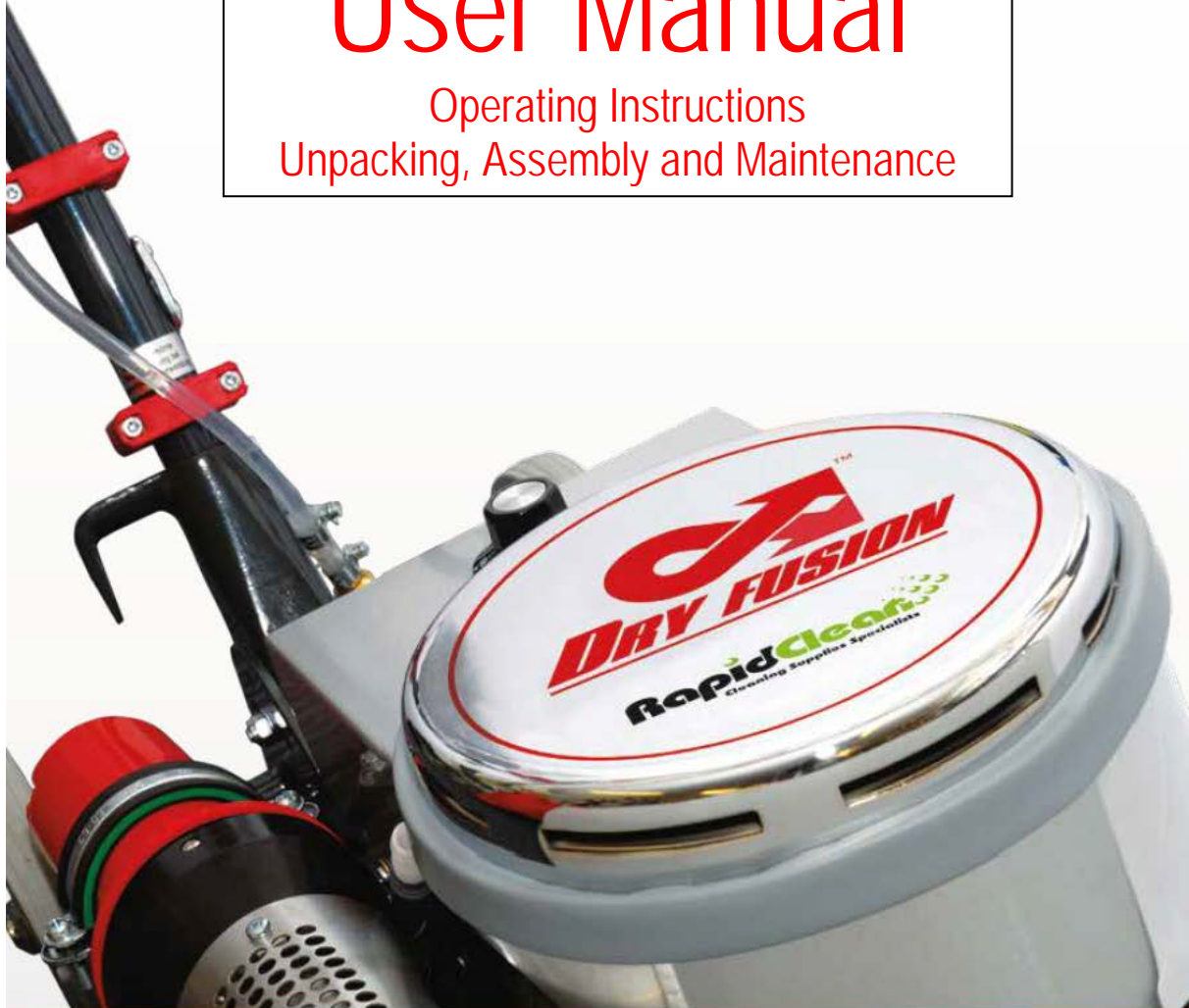




User Manual

Operating Instructions
Unpacking, Assembly and Maintenance



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SECTION 1: WELCOME TO DRY FUSION

First of all may I thank you for purchasing a Dry Fusion System.

As the word describes, a system is very much more than just a machine and Dry Fusion is without doubt a unique and effective carpet cleaning and maintenance system.

Dry Fusion was originally founded in Australia and Germany over 10 years ago and has quickly established itself as a major force in the carpet cleaning industry. Many carpet manufacturers recognise its unique performance and promote the Dry Fusion system as the preferred method for cleaning carpets. The Dry Fusion system has also received the Woolsafe Standard.

In purchasing a Dry Fusion system you are making an investment in your business and I can assure you that you will receive the highest possible standard of service from our customer support team.

The following sections will provide you with further information on how to operate the system.

Should you require any further information or assistance, please do not hesitate to contact our Head office on 4721 5102 or email manager@rapidclean.com.au

Kind regards,

Bruce Lees
General Manager



SECTION 2: ASSEMBLY

Step 1 Packaging and removal from Cartons

The machine comes complete, in three separate boxes. They are as follows:

A long narrow box, this contains the handle assembly unit with the shot of steam attached.

A large square box, this contains the machine along with the 'shot of steam' container.

A shallow square box, this contains one drive plate.

Step 2 Assembly of Handle and Fitting of Power Cables

To assemble you will need a 13mm socket or spanner.

The handle/arm is fitted to the power unit, by two bolts – ensure the safety switch button at the top of the handle is facing the rear of the machine.

Once the handle/arm has been fitted, you will see two other cables with plugs attached, the cable from the arm connects into the top socket, at the back of the power unit.

Step 3 Fitting of Drive Plate

The drive plate is only fitted to the power unit when cleaning is about to take place.

To secure the drive plate in place, tip the power unit back and align the lips from drive plate to those on the underside of the power unit and twist into place. Place the complete unit over the cleaning pad (damp) and switch on.



SECTION 3: USE OF MACHINE

Step 1 Adjusting the Handle and Control of Solution

(a) Control of Handle Height

The trigger on the right hand side controls the height of the handle/arm.
The comfortable operating angle is 45 degrees to the ground.

(b) Control of Solution

The 'shot of steam' unit is mounted onto the handle of the Dry Fusion machine. Prime the line before starting to clean and press the lever on top of the bottle to inject a shot onto trouble spots or heavily stained areas during the cleaning process.

Step 2 Setting the Temperature Control

Temperature control is obtained, by using the dial on the top of the power unit, best operating temperature is 85 degrees maximum. Reduce this for carpets such as Polypropylene.

Step 3 Switching Machine ON

In order to switch the machine on, you will first have to PRESS the grey safety button (found at the rear of the handle and marked PRESS) at the same time squeezing either the left or right small triggers. The machine will start to work.

Step 4 Switching Machine OFF

Simply remove pressure from the trigger and the machine will stop.



Step 5 Using the Machine for the First Time

Having assembled the machine, it is strongly recommended, that before you use your machine for the first time, run the motor for about ten minutes. This will allow the drive belt to bed in.

We suggest that at this point the heating unit is switched OFF. The heat generated from the unit is 85 centigrade, this directed over a carpet for even a few seconds, could result in burning the carpet.

Step 6 Transporting the Machine

Use a pair of heat resistant gloves to remove the drive plate.

Never transport the machine with the drive plate attached, as this could become damaged or damage the floor should it work free.

IMPORTANT NOTE

1. Never leave machine on floor, whilst not running or without carpet bonnet on plate.
2. After use, tip machine on wheels and handle, to allow cooling.
3. Every time you use the machine, without the drive plate attached, switch on the machine and run for a few seconds.
4. Always use heat resistant gloves to remove drive plate.



SECTION 4: How To Get The Best From The System

Health and Safety

All Health and Safety, PPE, COSHH and safe working practices must be followed throughout the Dry Fusion carpet cleaning process. A Risk Assessment must be prepared before each cleaning assignment takes place. It is the responsibility of each operator to ensure that Health and Safety regulations are complied with. The following instructions are for general guidance and instruction only.

Vacuumping

It is essential that all carpeted areas to be cleaned, receive a thorough vacuuming with a commercial, twin motor vacuum cleaner with a rotating brush unit.

If practical and within Health and Safety guidelines, move all moveable items from within the cleaning area. Vacuum the cleaning area by moving in an "east to west" and "north to south" direction. Traffic lane and entrance areas will require greater attention. Ensure that a crevice tool is used to remove all dust and debris from the skirting board and door jams.

Cleaning Operation -Normal to Heavy Soil

Dry Fusion Pre-Spray Unit

Accurately measure 1 part ACTIVATOR to 4 parts hot water (500ml to 2 litres) and place the solution inside your Dry Fusion stainless steel pressure sprayer. Secure central unit and pump until you reach 3.5 bar pressure. Apply an even spray of the solution across 15 - 20 square metres of pre-vacuumed carpet and allow to dwell for 5 - 10 minutes.

Important:

It is essential that you allow the pre-spray time to dwell as the solution is designed to wet out the fibre and remove staining and soiling.

Take care not to allow the solution to dry. Five – Ten minutes is sufficient dwell time for an area of 15 - 20 square metres.



Ringer Vessel

Accurately measure 1 part ACTIVATOR to 4 parts hot water (500ml to 2 litres) and place the solution inside your ringer vessel. Wearing gloves, take your 460 mm (18") Dry Fusion Pad and dip into the hot solution, wringing out to almost dry and place it onto the heaviest soil area. Quickly wheel the Dry Fusion machine fitted with the aluminium drive plate and spread the moisture in the pad by moving side to side to an area approximating 15-20 sq metres. (East to West) Don't let the machine rest on the pad prior to starting as it can over wet the patch. Next, move the machine across the direction of the previous pass to clean the other side of the fibre. (North to South). Keep repeating the padding process, double or even triple passing and heeling the machine on heavily stained areas and to assist drying. The pad can be reversed to assist in cleaning and speed up drying time. Should the pad start to dry the machine will start to slow down and at this point a new pad should be used.

Important:

Change pads approximately every 15 to 20 sq metres depending on the soiling of the carpet. Never place a soiled pad back in to the ringer vessel as this will contaminate the solution. Do not spray the pads as this will not provide sufficient cleaning solution to create the standard of cleaning or protection required.

Extra Heavy Soilage/Restorative Deep Clean

Restore System

Rather than use a stronger solution or apply too much solution via the pads that could over wet the fibres, we recommend pre-spraying with Restore. Use a 1 to 8 solution of Re-ACT at the rate of approximately 500ml per 20sq metre. This, combined with the Dry Fusion Restore Brush will improve the stain and soil removing performance and not affect drying time. You can then continue to clean with the pad system and Activator as per the instructions under Ringer Vessel.

Important:

Do not use the restore brush unit on Wool Berber or loop pile carpets that may be damaged by the bristles.



Shot of Steam

For machines fitted with "Shot of Steam".

Fill bottles with 1 to 4 ACTIVATOR apply to heavily stained areas that you have already cleaned and are in the process of drying out. Do not use this as the only method of applying ACTIVATOR. Solution pads must be soaked and changed regularly.

A dry pad can be used on carpet just treated if too much moisture has been applied. Never use a dry pad on Olefin & Polypropylene fibres.

Stairs

Dry vacuum using a Dry Fusion Turbo brush unit, then spray apply 1 to 4 solution of Activator or Restore. Using the Dry Fusion Stair Machine, place a pre-moistened stair pad on to the machine base and allow the machine to oscillate over the carpet. The machine can be used to clean the rise and fall within the staircase. A new pad should be applied every 3-4 stairs. A dry pad can be used to speed up drying time. Hand Pads rotating similar to the machine method can be used to remove soil.

Important: Always work from the top of the stairs with the cable behind you and the unit plugged in at the bottom of the stairs. Vacuum and clean in a safe manner that allows you to retain stability at all times. The kneeling position is advisable as a safe manner of working.

Finishing Edges

Use an Edging Pad or Dry Fusion Hand Pads.

Always use a pile rake on cut pile or Axminster to help lift pile, resist shading and speed drying.

Stain Removal

Dry Fusion can remove approximately 90% of all stains within a carpet. On occasions however, you may need to treat more persistent and difficult stains using one or more of the specialist stain removers such as Grease Release, Coffee Break, Sensation, Browning Treatment or Trusty. A specialist spotting chart is enclosed on the following page.

In addition Unbelievable can be used by the householder, cleaning contractor or facilities team to remove stains on a daily basis and in between periodical maintenance cleans.

Section 5: Method Statement

Equipment & PPE

Dry Fusion machine
Drive plate and Dry Fusion pads
Beater bar vacuum cleaner
Dry Fusion cleaning solutions: Activator, Re-act and Bactoshield (dilute as instructed)
Stainless Steel Sprayer
Ringer Vessel
RCD Socket
Safety Signs

Procedure

1. Assemble equipment
2. Put out warning signs, covering all doorways to the area.
3. Carry-out electrical safety checks on all equipment.
4. Plug Reo unit into electrical socket. Plug machine into RCD.
5. Thoroughly vacuum the whole area of carpet to be cleaned
6. Prepare solution of Re-Act in spray canister according to manufacturers instructions, pump spray canister until desired pressure is created.
7. Prepare a solution of Activator according to manufacturers instructions and place inside ringer vessel. Place Dry Fusion standard pad inside ringer vessel and leave to soak.
8. Check carpet for any damaged areas that will require cleaning by hand, clean by hand as necessary, using spray solution and cloths.
9. Spray a fine mist of Re-Act over an area of about 20m² taking care not to spray other surfaces or electrical sockets. Do not use excessive solution.
10. Allow pre-spray 5-10 minutes to penetrate fibres and soiling.
11. Take a Dry Fusion standard pad from ringer vessel, ring out excess moisture and place on floor.



12. Switch the machine element to 85C, place on to Dry Fusion standard pad and pass the machine quickly over the sprayed area to ensure an even distribution of solution. Avoid any loose floor tiles or ripped carpet.
13. Continue cleaning action using systematic overlapping passes in an east to west and then north to south directions with the machine covering the area that has been sprayed. Use further passes on areas with persistent stains.
14. Once you have completed the area, turn over the pad to continue drying the cleaned area following an east to west and north to south direction.
15. Repeat the procedure stages 8 to 12 as required until whole carpet area is cleaned.
16. When the task is completed, place the machine with handle on the floor, turn electrical socket off and unplug equipment. Leave machine to cool.
17. Clean and return all items to store. Remove base plate from the machine and place inside ringer vessel. Ensure drive plate is cold before removing.
18. Store used pads separately in the pad holdall, these must be machine washed at a later date.
19. Remove warning signs

Safety & Control

- Check electrical equipment in particular plugs and cable. Discontinue use if faulty and report to Line Manager
- Do not plug in either machine until they have been assembled correctly
- Machine Cable must be kept behind machines at all times to avoid being caught up in the machine or tripped over
- Do not allow cables to become taut at ankle level
- When not in use leave the machine handle in the upright position
- Follow COSHH instructions on safe use of chemicals

SECTION 6: MACHINE MAINTENANCE

General

The machine's effective and powerful performance is so simple to operate and control that outstanding efficiency is achieved with the minimum of effort. As with all rotary machines, however, they can be misused or overloaded. The following situations are examples which can cause this misuse:

- 1 Using pads that are clogged with dirt or using non approved cleaning solutions.
- 2 Using very long extension leads and/or leads of insufficient current capacity or where the building has a low mains voltage condition or faulty power points. This reduces the power to the motor and causes overheating and possible burn out.
- 3 Switching on and off too frequently (max 4 times per minute).

The erratic starting of the machine, or clicking sound when running under load, particularly when using a pad on high load applications often indicate the above conditions.

Whenever any of these conditions arise or when there is doubt, your Dry Fusion representative should be consulted.

The motor units of the Dry Fusion series are designed for long periods of use.

In all conditions of service, particularly when using water, it is absolutely essential that a perfect connection exist between the machine and the supply earth system.



Service & Repair

It is recommended that your Dry Fusion machine is serviced within a 12-24 month period depending on the degree of use. The following maintenance procedures should however be completed daily or weekly:

- 1 Remove lint or carpet fibres from the drive plate grippers by using a Dry Fusion pad scraper. This prevents damage to the grippers and stops the pads from slipping during cleaning operations. Do not use sharp or metal objects as this will damage the gripper spikes.
- 2 Remove any carpet fibres from inlet section at rear of heater unit (red unit fixed to base). You must also ensure that the black vent is open.
- 3 Remove Philips screw No.57 from base of handle and apply one or 2 drops of 3 in 1 oil. Do not over apply as this may cause seepage from base of handle.
- 4 Check electrical leads for any sign of damage or wear and tear.

The following 2 pages contain a detailed breakdown of the Dry Fusion machine, parts diagram and part numbers.



SECTION 7: CONDITIONAL WARRANTY

When a warranty repair is justified, Dry Fusion UK welcomes such repair by any of its authorised Service Centres.

In most circumstances, the requests for warranty brought to the attention of our service division or agents are handled in a prompt routine manner with no question of their validity. However, some requests for warranty are received which are not justified, In these cases machine owners will be made aware that the premature failure of their equipment was the result of abuse, neglect, or other cause not covered by warranty .

The Dry Fusion warranty covers only DEFECTIVE MATERIAL and *lor* DEFECTIVE WORKMANSHIP. It does not cover labour.

Your machine is warranted for 12 months, from the date of purchase, by the original user against faulty workmanship or material. The warranty only covers the replacement, repair or adjustment of any part, which in the opinion of Dry Fusion UK, fails as a result of a fault in manufacture or assembly.

In the case of hire companies or similar using the unit to rent on a casual basis then 3 months from the date of purchase shall apply,

This warranty does not cover service calls, travelling time, consumable parts, such as; drive belts, power cables, plugs, bumper rails, capacitors, dust bags, flexible hoses, nozzles, gripper pads etc;.

In the case of a proprietary component, used by the manufacturer in his product, such as electrical motors etc;. Dry Fusion will only pass on any warranty given by the manufacturer of these items.

Accidental damage is not covered by warranty. Fair wear and tear is not covered by warranty.

Only Dry Fusion approved cleaning solutions are to be used in or with the Dry Fusion machine because of the special lubricating effect. Dry Fusion equipment must only use Dry Fusion chemicals. Warranty is voided by use of non-approved cleaning solutions.

All charges in freight to and from the manufacturer, agent or service centre will be the responsibility of the owner. Repairs carried out by any person other than an authorised Dry Fusion repairer will void the warranty.

A charge for travelling time and labour will be applicable for on-site warranty service. We only offer a return to base warranty.

