

EX-1 TORCH FUME EXTRACTION MANUAL



WARRANTY

This warranty is in addition to the statutory warranty provided under Australian Consumer Law, but does not include damage resulting from transport, misuse, neglect or if the product has been tampered with. The product must be maintained as per this manual, and installed and used according to these instructions on an appropriate power supply. The product must be used in accordance with industry standards and acceptable practice. This warranty covers the materials used to manufacture the machine and the workmanship used to produce the item. This Warranty does not cover damage caused by:

1. Normal wear and tear due to usage
2. Misuse /abuse or Neglect of the item
3. Transport / handling breakages
4. Lack of maintenance, care and cleaning
5. Environmental factors, such as usage in temperatures exceeding 40 degrees, above 1000mt sea level, rain, water, excessive damp, cold or humid conditions.
6. Improper setup or installation
7. Use on Incorrect voltage or non authorised electrical connections and plugs
8. Use of non standard parts
9. Repair, case opening, tampering with, modifications to any part of the item by non authorised repairers.



1. REGISTRATION

- Purchasers are encouraged to register for warranty on our website. www.dynaweld.com.au/warranty
- Product must be registered to receive full 3 year warranty.
- 2 year standard warranty applies if the product is not registered online.

2. TIME PERIOD - 2 Years (when registered online)

- When the machine has been registered online, a warranty claim must be made within 2 years from the date of purchase.
- If the machine has not been registered online, a warranty claim must be made within 1 years from the date of purchase.
- Any claim must include proof of purchase.

3. HOW TO MAKE A CLAIM - NEED SOME HELP?

- Visit our website www.dynaweld.com.au/troubleshooting for many helpful tips and guides to assist with the setup and usage of your new machine. Still stuck....?
- Call the DYNAWELD Helpdesk on 1300 899 710 for over the phone assistance.
- If the machine is not operational then return the item to the place of purchase.

BT WELD MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHERS, INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

SAFETY REQUIREMENTS

Note: the use of electrical equipment should be in accordance with the relevant provisions to take measures to prevent injuries caused by electric shock, fire, etc. Please read the following instructions carefully before using this device

1. Protect the power cables from heat, oil, and sharp metal corners
2. Do not inhale flammable and explosive dust such as aluminum or wood dust
3. The equipment should be well placed and the brakes of the rollers should be closed
4. Use the original filtration system only
5. Please do not use this device without the filter element placed
6. Avoid equipment moisture
7. Do not live wiping, disassembly and repair equipment to prevent electric shock.

STANDARD INCLUSIONS

1. EX-1 Torch Fume Extraction
2. Extraction Hose
3. Spanner
4. Hose Clamp



FUME EXTRACTION MIG TORCHES (SOLD SEPARATELY)



24 STYLE

P/N: 92.FE.24.4

- Air Cooled
- 60% @ 250A CO2
60% @ 220A Mixed Gas
- Wire Size: 0.8 – 1.2mm



36 STYLE

P/N: 92.FE.36.4

- Air Cooled
- 60% @ 340A CO2
60% @ 300A Mixed Gas
- Wire Size: 0.8 – 1.6mm

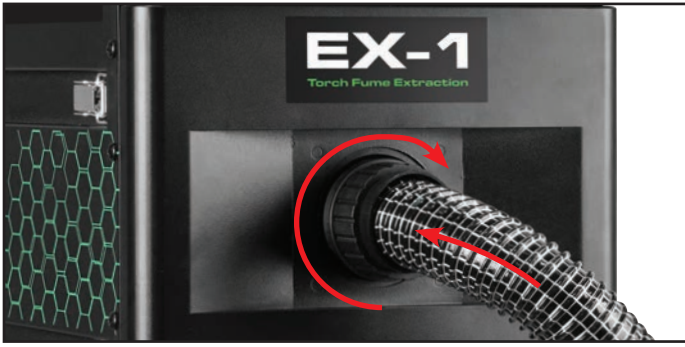


501 STYLE

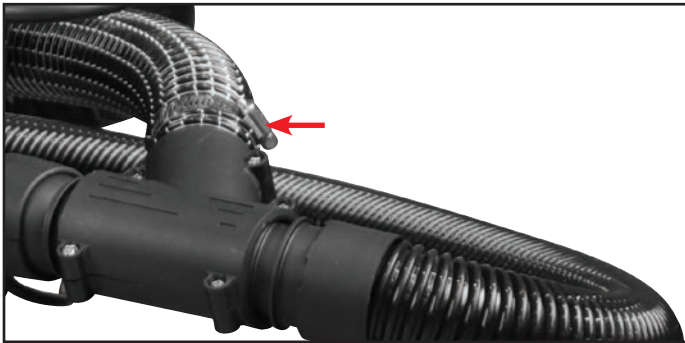
P/N: 92.FE.501.4

- Water Cooled
- 100% @ 500A CO2
100% @ 450A Mixed Gas
- Wire Size: 1.0 – 1.6mm

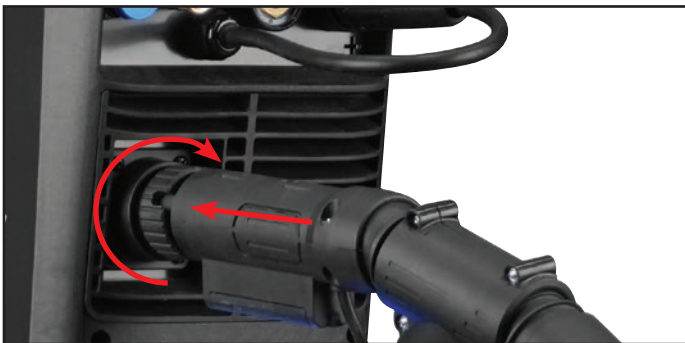
SETUP



1. Attach the extraction hose to the EX-1 machine then rotate tighten.



2. Attach the other side of the extraction hose to the Fume Extraction MIG torch and use clamp to secure it.



3. Attach the MIG torch to the inverter welder then rotate tighten.



4. Attach the MIG torch communication adaptor to the EX-1 machine.



5. Plug the machine 10Amp input power lead into the wall socket. Switch the machine ON using the mains power switch. Wait a few seconds whilst the machine powers up.



6. Press these buttons to adjust vacuum settings.



7. Position the MIG torch so that the extraction nozzle is as close as possible to the welding arc. This maximizes fume capture.

CARTRIDGE FILTER REPLACEMENT



1. Unlock both side locks to remove the front door.



2. Unlock the knobs on top of the filter cartridge to take out the filter.



Torch & Inverter Welder
Sold Separately



Cartridge
P/N: 681011

DIRECTION FOR USE

1. PREPARATION AND SETUP:

- Verify Equipment:
 - Ensure the fume extraction torch is compatible with your welding machine and fume extraction unit.
 - Check that all connections (electrical, gas, and extraction hose) are secure.
 - Inspect the extraction nozzle for any blockages or damage.
- Fume Extraction Unit:
 - Turn on the fume extraction unit and verify proper airflow.
 - Ensure the filters are clean and in good condition.
 - Adjust the extraction flow rate according to the welding process and material.
- Personal Protective Equipment (PPE):
 - Always wear a welding helmet, gloves, and flame-resistant clothing.
 - Consider respiratory protection, especially in confined spaces or when welding hazardous materials.

2. DURING WELDING:

- Positioning:
 - Position the extraction nozzle as close as possible to the welding arc. This maximizes fume capture efficiency.
 - Maintain a consistent distance between the nozzle and the weld pool.
 - It is very important to make sure the extraction nozzle does not interfere with the shielding gas coverage.
- Welding Technique:
 - Maintain a steady and consistent welding technique.
 - Be mindful of the fume generation and adjust your positioning as needed.
- Monitoring:
 - Continuously monitor the fume extraction system for proper operation.
 - Listen for any unusual noises or changes in airflow.
 - Visually check that the fumes are being effectively captured.

3. POST-WELDING:

- Continued Extraction:
 - Allow the fume extraction unit to run for a short period after welding to clear any remaining fumes.
- Shutdown:
 - Turn off the welding machine and the fume extraction unit.
 - Disconnect the torch and store it properly.
- Inspection and Maintenance:
 - Inspect the torch and extraction system for any damage or wear.
 - Clean the nozzle and replace filters as needed.

MAINTENANCE INSTRUCTION

TORCH INSPECTION:

- **Nozzle:** Regularly inspect the extraction nozzle for blockages or damage. Clear any obstructions and replace damaged nozzles.
- **Hoses:** Check the extraction hose for cracks, leaks, or wear. Replace damaged hoses immediately.
- **Connections:** Ensure all connections between the torch, hose, and extraction unit are secure.
- **Electrical connections:** If the torch has any electrical components, make sure they are in good condition.
- **Fume Extraction Unit:**

FILTER MAINTENANCE:

- **Regular Inspection:** Regularly inspect filters for dust buildup and damage.
- **Cleaning/Replacement:** Clean or replace filters according to the manufacturer's recommendations. The frequency will depend on the welding application and the amount of fume generated.
- **Filter disposal:** Follow local regulation when disposing of used filters.

DUST COLLECTION:

- **Emptying:** Regularly empty the dust collection tray or bin to prevent overflowing.
- **Cleaning:** Clean the dust collection area to prevent dust buildup.

AIRFLOW:

- **Check Airflow:** Periodically check the airflow of the extraction system to ensure it is operating correctly.
- **Monitor for obstructions:** Check duct work for any obstructions that could hinder airflow.

MOTOR:

- Ensure the motor is clean from dust and debris.
- Listen for any unusual noises that could indicate motor problems.

HOSES AND DUCTWORK:

- Regularly inspect hoses and ductwork for leaks, damage, or blockages.
- Ensure all connections are secure.
- Clean any accumulated dust or debris.

MAINTENANCE FREQUENCY:

- **Daily:** Inspect the torch nozzle and hose for blockages or damage.
- **Weekly:** Check the airflow of the extraction system and empty the dust collection tray.
- **Monthly:** Inspect filters and hoses for wear and tear.
- **As Needed:** Replace filters and repair damaged components as needed.



POWERED BY

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