Owners Manual

Product Code: 1907T

MADE FOR THE TRADE

TRADEQUIP the trusted brand in equipment

OIL DRAINER EXTRACTOR

Specifications:

- Discharge tank capacity: 90 Litres
- Transparent recovery chamber capacity: 10 Litres
- Vacuum Working Pressure: 0.04 - 0.06MPa
- Degree of Vacuum: 0.05 - 0.07MPa
- Suction Rate: 1.5-2 Litres per min using 6mm probe at oil temp 80°C
- Max Discharge Pressure: 12psi
- Discharge Hose Length: 1940mm
- Discharge Rate: 3-3.5 Litres per min
- Dimensions: 500 x 500 x 1850mm
- Weight: 39kg
- Carton 1 of 2: 520 x 500 x 970mm (Weight: 12kg)
- Carton 2 of 2: 570 x 300 x 300mm (Weight: 29kg)

About the **TradeQuip** brand

The **'TradeQuip'** brand of workshop equipment, is designed for use in a demanding workshop environment by professional users. With proven and trusted *"Made for the Trade"* reliability, *'TradeQuip'* branded products offer the very best in performance for an affordable price. All backed by a 1year trade guarantee across 1,000+ distributors Australia wide.

TRADEQUIP the trusted brand in equipment TQ PRO Trusted by serious professionals BORUM INDUSTRIAL WORKSHOP EQUIPMENT

WARNING

IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE

WARNING

The instructions and warnings contained in this manual should be read and understood before using or operating this equipment. Do not allow anyone to use or operate this equipment until they have read this manual and have developed a thorough understanding of how this equipment works. Failure to observe any of the instructions contained in the manual could result in severe personal injury to the user or bystanders, or cause damage to the equipment and property. Keep this manual in a convenient and safe place for future reference.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the TQB Brands Pty Ltd policy of continuous improvement determines the right to make modifications without prior warning.

CONTENT

STANDARD OPERATING PROCEDURE

DO NOT use this machine unless you have been trained and assessed to a competent level in its sate use and operation, and have been given permission to use this

Safety glasses must be worn when operating this equipment

Safety footwear must be worn when operating this equipment

Long loose hair must be contained when operating this equipment

Close fitting/protective clothing must be worn when operating this equipment

SAFETY INSTRUCTIONS

Save these instructions. For your safety, read, understand, and follow the information provided with and on this **90L Oil Drainer Extractor** before using.

- Observe work area conditions. Keep area well light.
- Use the right product for the job. There are certain applications for which the oil extractor was designed. Do not modify the oil extractor and do not use the oil extractor for a purpose other than it is intended.
- Check for damaged parts. Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.
- Use eye and hearing protection. Always wear ANSI approved impact safety goggles, full face shield and ANSI approved hearing protection when working with this product.
- Do not exceed the product's working pressure of 0.5bar.
- If the Air Compressor supplies air pressure in excess of 0.5 Bar, an inline air regulator must be used to maintain air pressure at 0.5 Bar.
- Only use on a flat surface capable of supporting the Oil Drainer Extractor and its maximum load of 90 litres.
- Dress safely. Non-skid footwear or safety boots should be used when working with the product. Do not wear loose clothing or jewellery as they can become caught in moving parts wear a protective hair covering to prevent long hair from becoming caught in moving parts.
- Do not allow children in the work area.
- Always secure the wheels and castors in place while operating the Oil Drainer Extractor.
- Dispose of oil properly in accordance with all local laws and regulations.
- Never leave unit unattended when operating or evacuating.
- Never use near open flame or heat source.
- Always check that valve below funnel is closed before emptying
- Always disconnect air supply after emptying.
- Never use unit for handling highly volatile fuels and fluids.
- Use only the nozzle assembly provided.
- Never fill the tank over the maximum level given by the level indicator
- When servicing, use only TradeQuip identical replacement parts. Use of any other parts will void the warranty. Ensure the Oil Drainer Extractor is disconnected from air before servicing.
- Use the right product for the job. There are certain applications for which the Oil Drainer Extractor was designed. Do not modify the Oil Drainer Extractor and do not use the Oil Drainer Extractor for a purpose for which it was not intended.

ASSEMBLY, OPERATION, PREVENTITIVE MAINTENANCE

1. FEATURES

TradeQuip waste oil evacuators take oil draining convenience and efficiency to the next level, by sucking hot oil from engines and transmissions via the dipstick tube or the traditional (under hoist) large oil drain pan. This vacuum-charged unit is completely portable and easy to use. Included are 3 different suction probes equipped with quick-disconnect couplers for fluid extraction. The transparent recovery chamber reservoir acts as a vacuum receiver operated by simple venturi and flow control valves. The transparent chamber feature is also very handy to check the quantity and quality of extracted oil during or immediately after the service. Suction volume is 1.5-2 Litres per minute using 6mm probe at oil temp 70-80 Degrees C.

The self-evacuating feature makes emptying clean and easy with an easy to see clear oil level sight gauge. Once pressurised the oil drainer discharge system becomes completely portable. This allows the unit to be vacuum charged and emptied at will, and used independently of the air supply.

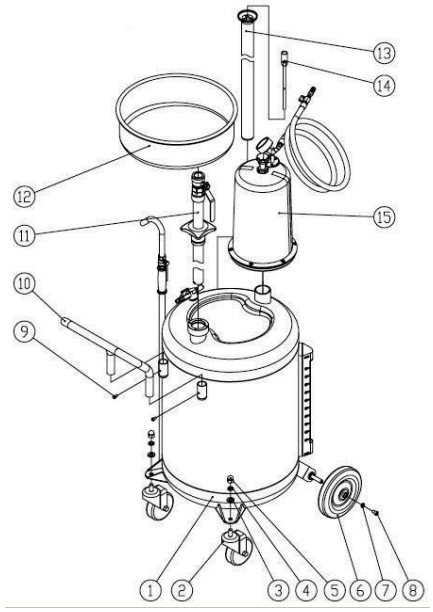
The ***TradeQuip*** Air operated waste oil drainer/extractor with graduated 10 litre transparent recovery chamber, can now extract used oil and other fluids from any vehicle using this venturi-vacuum extracting system directly from dipstick. Not having to lift vehicles or remove plugs increases efficiency. Great for cars, 4WD, motorcycles, small engines, marine applications and other industrial plant.

Note: The oil change temperature should be between 60-80 degrees celsius (when the engine is just switched off) for the extraction system to operate efficiently. This equipment is not designed to suck brake oils, fuels, inflammable and corrosive liquids.

2. ASSEMBLY

Unpack the product and check the product is in perfect condition and that there are no visible damaged parts. The packaging materials (Polyethylene bags, polystyrene etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

Assemble according to the exploded drawing, all connecting parts should be well sealed by tape or seal glue, tighten all attachments.



Check the seal specification: Please note that the air intake pipe connected to the quick coupler on the top of measure cup must be fitted with an oil filter and air regulator. Please turn the ball valve handle under the measure cup to horizontal position before testing, turn off the valve of suction tip, connect the air intake pipe with the quick coupler, adjust the air intake pressure, the pointer of the pressure gauge will move, when the pressure reaches to 0.05Mpa, then turn off the air intake valve on the top of transparent recovery chamber and keep pressure for 1 hour, check the pointer and if the pointer still keep on same position so it could be proved as seal well.

Turn off: The air intake valve on the top of the tank, the discharging oil pipe valve, the valve under the oil tray. Turn the valve handle under the transparent recovery chamber to vertical position, open the transparent recovery chamber top valve, air intake for about 3—5 minutes and then check the pressure gauge pointer changing, the pressure cannot be less than 0.055MPa, keep pressure for 1 hour, if the pointer no change so it can be regarded as pass quality.

3. BEFORE USE

Prior to each use conduct a visual inspection by checking for abnormal conditions, such as cracked joins and damaged, loose, or missing parts.

AIR SUPPLY:

To prevent explosion: Only use clean, dry, regulated, compressed air to operate this tool. Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.

NOTE: Air flow, and therefore tool performance, can be hindered by undersized air supply components. The compressor air hose must be long enough to reach the work area.

Before connecting the air compressor to pressurise the Oil Drainer Extractor, run the air compressor to make sure it is in good working order.

1. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
2. Adjust the air compressor's pressure regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Turn the knob clockwise to increase the pressure and counter clockwise to decrease pressure. Adjust the pressure gradually, while checking the air output gauge to set the pressure.
3. If the Air Compressor supplies air pressure in excess of 0.5 Bar, an inline air regulator must be used to maintain air pressure at 0.5 Bar.
4. Inspect the air connections for leaks. Repair any leaks found.
5. If the compressor will not be used at this time, turn off the air supply and safely discharge any residual air pressure to prevent accidental operation.

4. OPERATION

4.1. OIL COLLECTION

Turn off the valve under the transparent recovery chamber, turn on the valve under the oil tray and the air intake valve on the top of tank, adjust the oil tray to suitable height, move the machine to the position under the oil discharging machine, let the oil tray and the oil discharging opening in the same vertical position.

4.2. OIL SUCTION

1. There are two attachment options, a 2piece ϕ 6 suction tips and a 1 piece ϕ 8 suction tip.
2. Lubricate around the rubber ring of the suction plug with suitable lubricant.
3. Push the suction plug to the quick coupler of the suction tip.
4. Turn off the valve under the transparent recovery chamber, turn on the air intake valve on the top of the transparent recovery chamber, connect the quick coupler on top of the transparent recovery chamber with the air intake pipe, turn on the air intake valve and adjust the air intake pressure (0.3—0.5MPa), the vacuum gauge pointer move and the degree of vacuum can be adjusted according to operator's requirement, the maximum degree of vacuum is not less than 0.057MPa. The oil cannot exceed the STOP position;

Oil flow from the transparent recovery chamber to the discharge tank:

1. Turn on the valve under the transparent recovery chamber, the oil will flow from the transparent recovery chamber to the discharge tank;
2. Turn on the valve under the transparent recovery chamber, connect the oil suction plug with oil suction tips, insert the suction tip to the tank for suction, turn on the top valve and adjust the air intake pressure, when the vacuum gauge pointer reaches your requirements, so you can do oil suction while filling the air, also you can turn off the air intake valve first and move the machine for oil suction, and view the oil level by the outside transparent oil lever.

4.3. DISCHARGING OIL

1. Please take note that you must turn off the valve under the transparent recovery chamber before discharging oil , otherwise it will damage the transparent recovery chamber;
2. Turn on the control valve of oil discharging opening under the tank, put the steel elbow of the oil pipe on the opening of the oil discharge tank;
3. Turn off the valve under the oil tray;
4. If the Air Compressor supplies air pressure in excess of 0.5 Bar, an inline air regulator must be used to maintain air pressure at 0.5 Bar.
5. Connect the air intake pipe (required fitting pressure regulator) with the quick coupler on the top of tank, turn on the air intake valve, adjust the air intake pressure to 0.5Bar, then fill the air and the oil will be discharged out to the oil storage tank.

5. STORAGE

This Oil Drainer Extractor should always be stored in a dry location on a level surface. Disconnect air supply and empty fluid.

6. MAINTENANCE

Disconnect the air supply prior to any maintenance.

Always disconnect this product from its air supply and release all compressed air from the system before performing any cleaning, servicing or maintenance.

Inspect the general condition of the Oil Drainer Extractor checking:

1. Before each use, examine the general condition of the entire oil extractor system. Inspect air hoses for damage. Check for loose screws, misalignment, binding of moving parts, improper mounting, broken parts and any other condition that may affect is safe operation. If abnormal noise or vibration occurs, turn off the air compressor immediately and have the problem corrected before further use.
2. Keep the outside of the equipment free of oil or grease. Only use a mild soap and damp cloth when cleaning. Do not use a flammable or combustible solvent.
3. Before and during each use, inspect the oil indicator tube. Do not allow the used oil level to surpass the holding capacity.

7. SERVICE & REPAIR

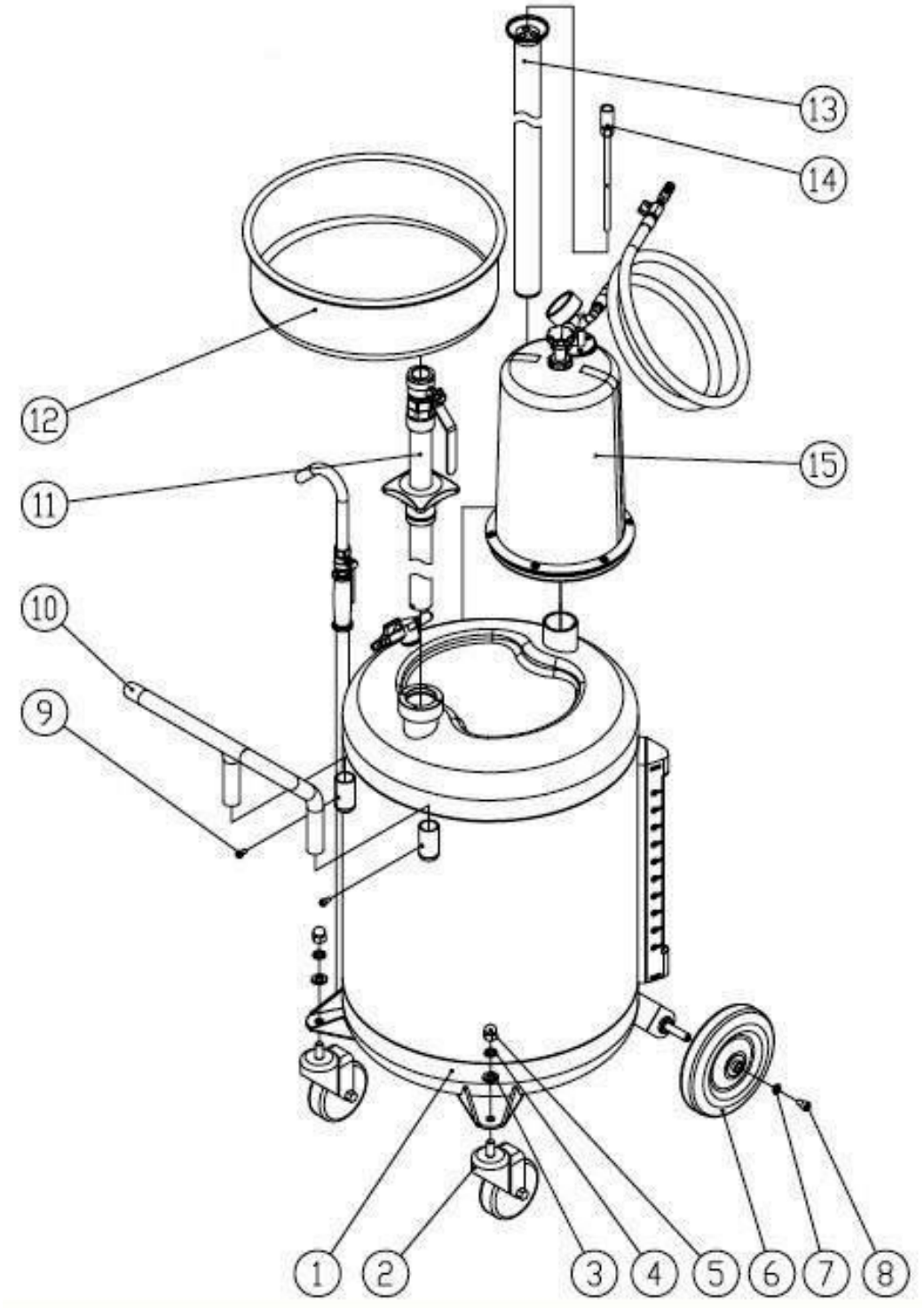
Any Oil Drainer Extractor found damaged in any way, or found to be worn or operates abnormally should be removed from service until repaired by an authorised service agent. Owners and /or operators should be aware that repair of this product may require specialised equipment and knowledge. Only authorised parts, labels and decals shall be used on this equipment. Annual inspection of the Oil Drainer Extractor is recommended and can be made by an authorised repair facility to ensure that your equipment is in optimum condition and that the equipment has the correct decals and safety labels specified by the manufacturer.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	ACTION
Degree of vacuum doesn't meet requirement	1. Air leaking 2. Steel ball corroded	1. Test the degree of vacuum of transparent recovery chamber, if the chamber passes test it will show no signs of leaking. Check tank seal tape and seal glue. 2. Replace the steel ball and the upper cover 3. Check all valves are turned off
The pointer of vacuum gauge flow down quickly after vacuum's	1. Air leaking	1. As above
Vacuum gauge has pressure drop but cannot suck oil	1. The oil temperature is too low 2. The suction plug seal has worn out 3. The oil suction probe cover is distorted 4. Check the valve of oil suction turning is not worn out 5. Check the oil suction pipe is not jammed or touching the bottom of the tank	1. Let the oil reach normal temperature and retry 2. Replace the seal ring of the suction plug 3. Change the oil suction probe cover 4. Turn on valve of oil suction pipe 5. Clean oil suction pipe

PARTS LIST

Part #	Description	QTY	Part #	Description	QTY
1	Discharge Tank	1	9	M6x6 Inner Hexagon Screw	2
2	4” Castor	2	10	Handle	1
3	M12 Flat Washer	2	11	Oil Suction Pipe	1
4	M12 Spring Washer	2	12	Oil Tray	1
5	M12 Cap Nut	2	13	Sheath for Oil Suction Tip	1
6	7” Wheel	2	14	Oil Suction Tip	3
7	M8 Flat Washer	2	15	Transparent recovery chamber Assembly	1
8	M8x12 Inner Hexagon Screw	2			



WARRANTY

TradeQuip products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should this piece of equipment develop any fault, please return the complete tool to your nearest authorised warranty repair agent or contact TQB Brands Pty Ltd Warranty team – warranty@tqbbrands.com.au.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised TQB Brands Pty Ltd repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your TQB Brands Pty Ltd guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Consumer Guarantee
Our goods come with a guarantee that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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BORUM INDUSTRIAL WORKSHOP EQUIPMENT

TQ PRO EAGLE PRO RED LABEL

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