



# DRILL POWERED PUMP

## 18937



Read these instructions in full before attempting to use this product and retain it for later use. Always use the latest version of this manual.

## 1. Specification

Stock No.	18937
Part No.	DPP1
Max. capacity:	1,000L at 2,000rpm
Max. output hose length:	7.6m
Max. head height:	2.5m
Ambient operating temperature:	5–80°C (41–176°F)

## 2. Safety Information



**WARNING! NEVER pump petrol or other flammable liquids and aggressive chemicals using this tool.**



**WARNING! NEVER operate a drill with wet hands of when standing on a wet surface.**

- Observe all standard safety precautions and good practices when working with power tools and fluids.
- Keep children and other unauthorised personnel well clear of the work area.
- Wear appropriate eye protection and protective gloves.
- **DO NOT** wear loose fitting clothes or jewellery and keep long hair and jewellery tied back.

- Inspect the product and hoses for damage before use; **DO NOT** attempt to use this product if it or the connected hoses are damaged.
- Use only a three-core cable, earth-connected or double insulated drill, with an RCD adaptor where the tool is corded.
- **DO NOT** pump contaminated fluids without a screen or strainer present in the input hose.
- When pumping oil, keep the oil thin to prevent damage to the pump.
- Ensure that the hoses are free from kinks and run tidily to avoid a trip hazard.
- When holding the pump by hand, grip it loosely.
- Draper Tools recommends securing the pump to a board for longer operations.
- **DO NOT** connect the drill to a power supply until you are ready to operate.
- **DO NOT** allow the pump to run dry as this will damage the impeller.
- **DO NOT** obstruct the output hose in any way.
- Flush the pump through with clean water after **EVERY** use.
- Remove the drill from the pump when not in use.
- **ALWAYS** remove the pump from the drill before performing any product care.

**Important:** Most electric drills are not intended to be run continuously; stay mindful of operating times while working.

## 4. Troubleshooting

Problem	Possible Cause	Remedy
The pump will not prime.	The input hose is not airtight or is leaking.	Check the hose fitting and replace the hose if necessary.
	The input hose is clogged or has collapsed.	Clean or replace the hose. Use an input hose with thicker walls.
	The impeller is damaged or charred.	Replace the pump and ensure that it is not run dry.
	The spindle turns but the impeller does not.	Replace the pump.
	The drill speed is too low.	Increase the drill speed.
The flow rate is low.	The drill speed is too low.	Increase the drill speed.
	One or more hoses are clogged or restricted.	Investigate the hoses for obstructions.
	One or more hoses are too long or the head height is too great.	Reduce the hose lengths and reduce the vertical distance that the fluid is pumped.
The pump is leaking.	A seal is damaged.	Replace the pump.

## 3. Operating Instructions

1. Pour a few drops of light lubricating oil into the input opening.
2. Attach the input and output hoses to the pump according to the markings on the front of the product.
  - Ensure that the inlet hose is airtight and as short as possible.
  - The output hose must **NOT** exceed 7.6m (25ft) in length.
  - For 1/2" bore hoses, install the supplied adaptors into the openings.
3. Submerge the input hose as much as possible and allow the pump to fill with water.
4. Close the drill chuck around the pump spindle and ensure that the drill rotation is set to **clockwise** rotation.
5. Start the drill slowly and allow the pump to prime. **Important:** If the pump does not prime correctly after 10 seconds, check that the input hose is airtight and not clogged.
6. Increase the drill speed once the pump has primed.