SEALEY POWER PRODUCTS

Instructions for:

AIR OPERATED TRANSFER PUMP

Model No: **TP90.V2**

Thank you for purchasing a Sealey power product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT

BEFORE USING THE PRODUCT, PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS, AND CAUTIONS. USE THIS PRODUCT CORRECTLY, AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE, AND/OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY.

1. SAFETY INSTRUCTIONS

- ✓ Use the tool only for its intended purpose.
- ✓ Disconnect the tool from the air supply before servicing, changing accessories or performing other maintenance.
- ✓ Maintain the pump in top condition. Keep it clean for best and safest performance.
- ✓ When using the optional hose kit, always fit the hose bracket to the pump and insert the hose through the bracket grommet. Failure to do so may damage the pump unit.
- ✓ Keep all flammable materials away from the pump when operating.
- ✓ Dispose of oil and waste material in accordance with local regulations.
- ✗ DO NOT direct pumped fluid at yourself or others.
- ✗ DO NOT operate the tool while under the influence of drugs, alcohol or intoxicating medication.
- ✗ DO NOT remove the regulator from the pump. Removal will invalidate the warranty.
- ✗ DO NOT dismantle the tool. Return it to your supplier if problems occur. Tampering with the pump will invalidate the warranty.
- ✗ DO NOT use the pump at temperatures below 2°C.

2. OPERATION

The transfer pump is designed for pumping most fluids (see compatibility chart) from a drum into another suitable container or surface. We do not recommend any other use.

2.1. GENERAL USE (Figs 1,2 & 3):

2.1.1. Screw the uptake (B) into the bottom of the pump (A).
2.1.2. Extend the uptake pipe (B) to the required length.
2.1.3. Tighten the locking collar (C).
2.1.4. Screw the pump into the drum (D), taking care not to damage the plastic thread.
2.1.5. Screw down the locking ring (E) to secure the pump in the desired position.
2.1.6. Securely connect the air line (F) to the pump.
2.1.7. Pull out the regulator knob (Fig.3.H) to enable adjustment.
2.1.8. Open outlet valve (J).
2.1.9. Open air inlet valve (G) to discharge the fluid into a suitable container.
2.1.10. Adjust the air pressure by turning the regulator knob to increase or decrease the pressure (Fig.3.I). When the correct air pressure is reached (between 2 and 6 bar), lock the regulator by pushing the knob (H) back in.
2.1.11. Close air inlet valve (G) to stop the flow of liquid.

Fig.1

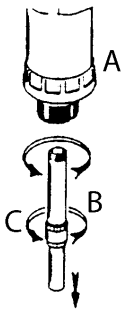


Fig.2

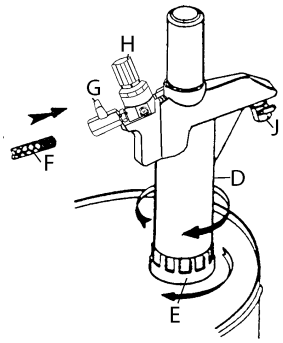


Fig.3

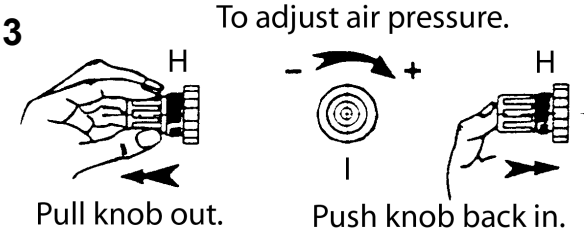


Fig.4

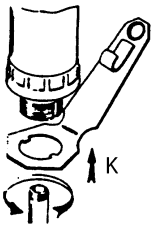
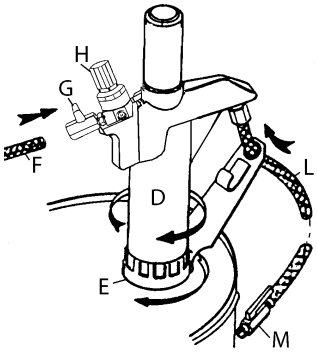


Fig.5



2.2. OPERATIONS FOR USE WITH THE TP90/HK OPTIONAL HOSE KIT (Figs 4 & 5):

2.2.1. Follow steps 2.1.1 - 2.1.3 above.
2.2.2. Fix the hose bracket (Fig.4.K) over the slots on the pump body.
2.2.3. Screw the pump (Fig.5.D) into the drum.
2.2.4. Screw down the locking ring (E) to secure the pump in the desired position.
2.2.5. Connect the hose (L) to the pump by threading through the hose bracket (take off fitment and jubilee clip from hose first and then refit jubilee clip and fitment. Ensure jubilee clip is tight and that the on/off tap (M) at the other end of the hose is closed.
2.2.6. Securely connect the air line (F) to the pump but do not open air inlet valve (G).
2.2.7. Pull out the regulator knob (Fig.3.H) to enable adjustment.
2.2.8. Open outlet valve (M).
2.2.9. Open air inlet valve (G) to discharge the fluid into a suitable container.
2.2.10. Adjust the air pressure by turning the regulator knob to increase or decrease the pressure (Fig.3.I). When the correct air pressure is reached (between 2 and 6 bar), lock the regulator by pushing the knob (H) back in.
2.2.11. Close air inlet valve (G) to stop the flow of liquid

NOTE: When pumping oil at temperatures below 10°C, the pump output may be restricted. Attaching the TP90/HK hose kit may also restrict pump output. Output may be increased by unscrewing and removing the inlet valve from the bottom of the uptake pipe.

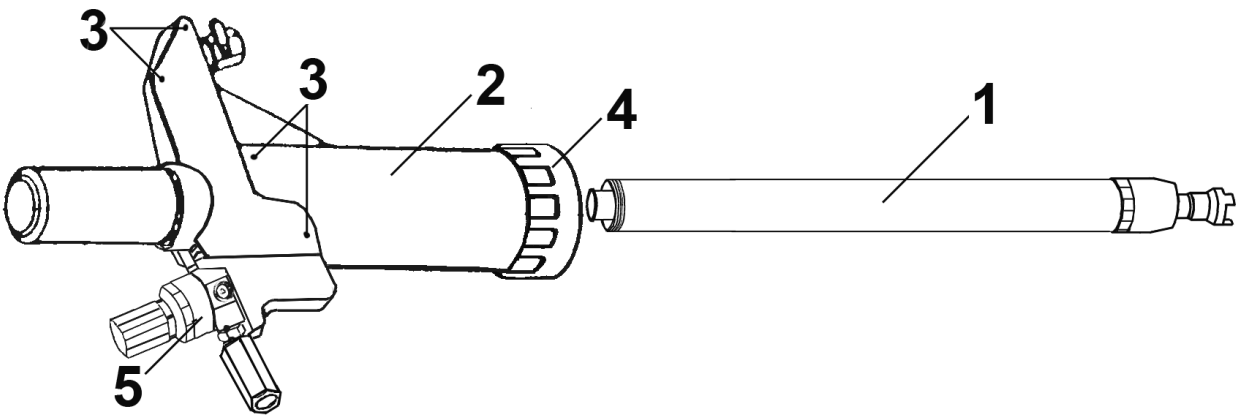
3. SPECIFICATION

Air Pressure Regulator:.....0-6 bar
Air Inlet: .....1/4" BSP
Maximum Air Pressure:.....100 psi
Minimum Air Pressure: .....30 psi
Air Consumption: .....4.4 cfm
Maximum sound level at 1 metre:.....74 dB

4. TROUBLESHOOTING

The air piston does not operate.	1. The air pressure is too low. 2. The minimum recommended air pressure is 30psi.
The air piston stalls.	1. Release trigger momentarily and re-apply. 2. Tap the top of the air cylinder using the palm of your hand. Do not use a hammer, timber, or anything else which may damage the cylinder. 3. Piston may be frozen, see below. 4. Re-adjust regulator to increase air pressure.
Frost on air cylinder - air piston stalled.	1. Piston may be frozen due to excess water in the air line supply. 2. Release the trigger for a few minutes and allow the pump to thaw. 3. Fit a filter or filter/lubricator to reduce the water content in the air supply.

5. PARTS



Item	Part No.	Description
1	151/Z950-500	Complete pick-up pipe
2	TP90.01	Complete casing
3	TP90.02	Screw for casing
4	TP90.03	Knurled ring
5	TP90/REG	Regulator assembly
-	TP90HK	Hose kit - 2 metres (optional-not shown)

Declaration of Conformity

We, the sole UK distributor, declare that the product listed below is in conformity with the following standards and directives.

Air Operated Transfer Pump
Model No: TP90.V2

98/37/EC Machinery Directive
93/68/EEC Marking Directive

CE The construction file for this product is held by the Manufacturer and may be inspected by a national authority, upon request to Jack Sealey Ltd

Signed by Mark Sweetman **5th December 2005**

For Jack Sealey Ltd. Sole UK distributor of Sealey Power Products.

NOTE: *It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.*
IMPORTANT: No liability is accepted for incorrect use of this product.
WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.
INFORMATION: For a copy of our catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.

SEALEY POWER PRODUCTS
Sole UK Distributor
Sealey Group,
Bury St. Edmunds, Suffolk.
01284 757500
01284 703534
Web ***www.sealey.co.uk***
email ***sales@sealey.co.uk***

SEALEY POWER PRODUCTS **Model No: TP90.V2**

CHEMICAL COMPATIBILITY CHART

RATING KEY: A = Excellent B = Good C = Fair to poor

CHEMICAL	RATING	CHEMICAL	RATING	CHEMICAL	RATING
Acetonnitrile (Methyl)	A	Calcium Sulphate (Gypsum)	A	Latex	A
Adipic Acid (Hexanedioic)	B	Calcium Sulphide	A	Lauryl Alcohol	A
Allyl Alcohol	A	Calcium Sulphite	A	Lead Acetate (Sugar of Lead)	B
Amyl (1-Pentanol)	B	Calgon®	A	Lead Nitrate	B
Butyl (Butanol)	B	Camphor	B	Lead Sulphamate	B
Ethyl (Ethanol)	A	Carinol (Methnol)	B	Lime Bleach	B
Isopropyl Alcohol	B	Carbon Dioxide (Carbonic)	A	Lime Sulphur	A
Methyl alcohol	A	Carbonic Acid (Liquid)	B	Linoleic Acid	B
Propyl (Propanol)	B	Citric Acid	B	Lithium Chloride	A
Aluminium Chloride	A	Cobalt Chloride	A	Lubricating Oils	A
Aluminium Floride	B	Copper Acetate	B	Magnesium Carbonate	A
Aluminium Hydroxide	B	Copper Chloride	A	Magnesium Chloride	A
Aluminium Nitrate	A	Copper Cyanide	A	Magnesium Hydroxide	B
Aluminium Potassium	A	Copper Nitrate Hexahydrate	A	Magnesium Nitrate	A
Ammonia Anh, Liquid	B	Copper Sulphate (Blue)	A	Manganese (II) Chloride	A
Ammonium Alum	A	Cyclohexanol	B	Manganese Nitrate	A
Ammonium Bicarbonate	A	Decane	B	Mercuric Chloride	A
Ammonium Chloride	A	Denatured Alcohol	A	Mercuric Cyanide	B
Ammonium Fluoride	B	Detergent Solutions	A	Mercurous Nitrate	B
Ammonium Hydroxide	B	Diesel Oil (Fuel ASTM #2)	B	Mercury	A
Ammonium Nitrate	A	Diethanol Amine	B	Mercury Salts	A
Ammonium Nitrite	A	Diethylene Glycol (Digol)	A	Methane	A
Ammonium Oxalate	A	Diisobutylene	B	Methanol	B
Ammonium Phosphate	A	Dipropylene Glycol	A	Methyl Alcohol	A
Ammonium Phosphate	A	Disinfectant Deodorant	A	Methyl Amine	B
Ammonium Phosphate	A	Epsom Salts Magnesium	A	Methylamine	B
Ammonium Sulphate	A	Ethylalcohol (Ethanol)	A	Mineral Oil (Petroleum)	B
Ammonium Sulphide	A	Ethylene Diamine	B	Nickel Chloride	A
Ammonium Sulphite	A	Ethylene Glycol (Ethylene)	A	Nickel Nitrate (Dinitrate)	A
Amyl Alcohol	B	Ferric Chloride	A	Nickel Sulphate	A
Antiformin	B	Ferric Nitrate	A	Palmitic Acid	B
Anti-Freeze (Alcohol)	A	Ferric Sulphate	A	Paraffins (Paraffin Oil)	A
Anti-Freeze (Glycol)	A	Ferrous Chloride	A	Phosphoric Acid - 10%	A
Antimony Trichloride	B	Ferrous Sulphate	A	Photographic	A
Arsenic Acid	B	Fluosilic Acid (Sand Acid)	B	Picric Acid (Carbazotic)	B
Barium Chloride Dihydrate	A	Formaldehyde (Formalin)	B	Plating Solution - Lead	B
Barium Chloride	A	Hydrochloric Acid 20%	B	Plating Solution - Tin	A
Barium Hydroxide (Barium)	A	Hydrocyanic Acid	B	Potassium Acetate	B
Barium Nitrate	A	Hydrogen Peroxide - 3%	B	Potassium Bicarbonate	A
Barium Sulphate (Blanc fixe)	A	Iodine	B	Potassium Bisulphate	A
Barium Sulphide	A	Isobutyl Alcohol (Isobutanol)	B	Potassium Bisulphite	A
Black Sulphate Liquor	B	Isooctane (Trimethylpentane)	A	Potassium Bromide	A
Borax (Sodium)	B	Isopropyl Alcohol	B	Potassium Carbonate	A
Boric Acid (Boracic)	A	Gallic Acid	B	Potassium Chlorate	A
Brine (Sodium)	A	Gelatin	A	Potassium Chloride	A
Butyl Alcohol (Butanol)	B	Glauber's Salt Sodium	A	Potassium Chromate	A
Butyl Amine (Aminobutane)	B	Glycerol (Glycerine)	A	Potassium Cyanide	A
Calcium Bisulphate	A	Glycolic Acid	A	Potassium Dichromate	A
Calcium Carbonate	A	Glycols	A	Potassium Hydroxide	B
Calcium Chlorate	A	Green Sulphate Liquor	B	Potassium Iodide	A
Calcium Chloride	A	Heptanal	A	Potassium Nitrate (Saltpetre)	A
Calcium Nitrate	A	Hydrochloric Acid - 10%	B	Potassium Nitrite	B
Calcium Permanganate	A	Lactic Acid	B	Potassium Phosphate	A

RATING KEY: A = Excellent B = Good C = Fair to poor

CHEMICAL	RATING	CHEMICAL	RATING	CHEMICAL	RATING
Potassium Silicate	A	Sodium Cyanide	A	Tallow	B
Potassium Sulphate	A	Sodium Dichromate	A	Tanning Liquors/Oil	A
Potassium Sulphide	A	Sodium Fluoride	A	Tar, Bituminous (Coal Tar)	B
Potassium Sulphite	A	Sodium Hydrogene Sulphite	B	Tartaric Acid	B
Propargyl Alcohol	A	Sodium Hydroxide (Caustic)	B	Tertiary Butyl Alcohol	B
Propyl Alcohol (1-Propanol)	B	Sodium Oxalate	A	Tetraethyl Lead	B
Propylene Glycol (Methyl)	A	Sodium Peroxide (Sodium)	B	Transformer Oil (Petroluem)	B
Protein Solutions	A	Sodium Phosphate Tribasic	B	Triethylene Glycol (TEG)	A
Rosin	A	Sodium Silicates (Water)	A	Uric Acid	A
Rust Inhibitors	A	Sodium Sulphate (Glauber's)	A	Urea (Carbamide)	B
Salicylic Acid	B	Sodium Sulphide	A	Varnish Oil (Oil of)	B
Salt Water (Brine)	A	Sodium Sulphite	A	Viscose Spinning Solution	A
Silicone Oils (Versilube etc.)	A	Sodium Thiosulphate	A	Water - De-ionised	A
Silver Nitrate	B	Stannic Chloride (Tin)	A	Water - Distilled	A
Soap Solution	A	Stannous Chloride (Tin Salt)	A	Water - Fresh	A
Sodium Aluminate	A	Starch	A	Waxes	A
Sodium Bicarbonate (Baking)	A	Stearic Acid	B	White Sulphate Liquor	B
Sodium Bisulphate (Nitre)	A	Sucrose Solution (Sugar)	A	Zinc Ammonium Chloride	A
Sodium Borate	A	Sulphite Liquors	A	Zinc Chloride/Solution	B
Sodium Chlorate	A	Sulphuric Acid - 10%	B	Zinc Sulphate	A
Sodium Chloride (Table)	A	Sulphurous Acid	B		
Sodium Chromate	A	Tall Oil (Liquid Rosin)	A		

SEALEY POWER PRODUCTS
Sole UK Distributor
Sealey Group,
Bury St. Edmunds, Suffolk.
01284 757500
01284 703534
www.sealey.co.uk
sales@sealey.co.uk