



AIR OPERATED TRANSFER PUMP

MODEL NO: **TP90.V2**

Thank you for purchasing a Sealey 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: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear protective gloves

1. SAFETY

- ✓ 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. INTRODUCTION

Polypropylene body with acetal piston and nitrile seals. Self-priming unit with anti-drip shut-off valve. Body is fitted with a 2" BSP adaptor and 915mm dip tube suitable to fit 205L drums. Compatible with most fluids capable of being stored in plastic or metal drums. Not suitable for aggressive chemicals. A compatibility chart is provided. For optional extension hose kit order Model No. TP90HK.

3. SPECIFICATION

Model no: TP90.V2
 Air consumption: 4.4cfm
 Delivery: 15L/min
 Operating Pressure: 30-100psi

4. OPERATION

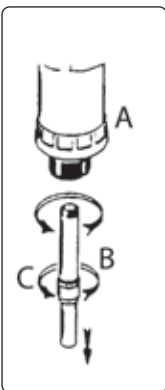


fig.1

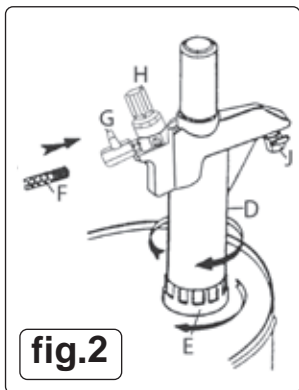


fig.2

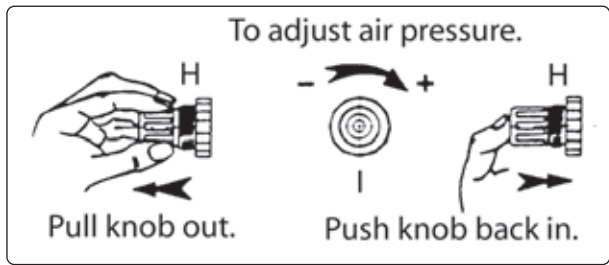


fig.3

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.

- 4.1. GENERAL USE (Figs 1,2 & 3):**
- 4.1.1. Screw the uptake (B) into the bottom of the pump (A).
 - 4.1.2. Extend the uptake pipe (B) to the required length.
 - 4.1.3. Tighten the locking collar (C).
 - 4.1.4. Screw the pump into the drum (D), taking care not to damage the plastic thread.
 - 4.1.5. Screw down the locking ring (E) to secure the pump in the desired position.
 - 4.1.6. Securely connect the air line (F) to the pump.

- 4.1.7. Pull out the regulator knob (Fig.3.H) to enable adjustment.
- 4.1.8. Open outlet valve (J).
- 4.1.9. Open air inlet valve (G) to discharge the fluid into a suitable container.
- 4.1.10. 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.
- 4.1.11. Close air inlet valve (G) to stop the flow of liquid.

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

- 4.2.11.1. Follow steps 2.1.1 - 2.1.3 above.
- 4.2.11.2. Fix the hose bracket (Fig.4.K) over the slots on the pump body.
- 4.2.11.3. Screw the pump (Fig.5.D) into the drum.
- 4.2.11.4. Screw down the locking ring (E) to secure the pump in the desired position.
- 4.2.11.5. 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.
- 4.2.11.6. Securely connect the air line (F) to the pump but do not open air inlet valve (G).
- 4.2.11.7. Pull out the regulator knob (Fig.3.H) to enable adjustment.
- 4.2.11.8. Open outlet valve (M).
- 4.2.11.9. Open air inlet valve (G) to discharge the fluid into a suitable container.
- 4.2.11.10. 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.
- 4.2.11.11. 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.

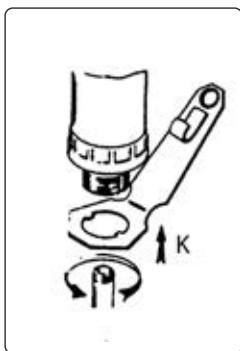


fig.4

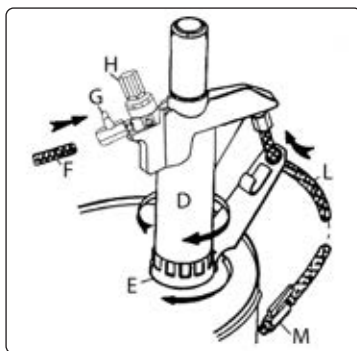


fig.5

5. TROUBLESHOOTING

The air piston does not operate.	<ol style="list-style-type: none"> 1. The air pressure is too low. 2. The minimum recommended air pressure is 30psi.
The air piston stalls.	<ol style="list-style-type: none"> 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.	<ol style="list-style-type: none"> 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.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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CHEMICAL COMPATIBILITY CHART

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

CHEMICAL	RATING	CHEMICAL	RATING	CHEMICAL	RATING
Acetonitrile (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 Fluoride	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
Antiformalin	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 Bromide	A
Black Sulphate Liquor	B	Isooctane (Trimethylpentane)	A	Potassium Carbonate	A
Borax (Sodium)	B	Isopropyl Alcohol	B	Potassium Chlorate	A
Boric Acid (Boracic)	A	Gallic Acid	B	Potassium Chloride	A
Brine (Sodium)	A	Gelatin	A	Potassium Chromate	A
Butyl Alcohol (Butanol)	B	Glauber's Salt Sodium	A	Potassium Cyanide	A
Butyl Amine (Aminobutane)	B	Glycerol (Glycerine)	A	Potassium Dichromate	A
Calcium Bisulphate	A	Glycolic Acid	A	Potassium Hydroxide	B
Calcium Carbonate	A	Glycols	A	Potassium Iodide	A
Calcium Chlorate	A	Green Sulphate Liquor	B	Potassium Nitrate (Saltpetre)	A
Calcium Chloride	A	Heptanal	A	Potassium Nitrite	B
Calcium Nitrate	A	Hydrochloric Acid - 10%	B	Potassium Phosphate	A
Calcium Permanganate	A	Lactic Acid	B		

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		