



MODEL NO: CVPS

PART NO: 6499642

Strong Chemical Vane Pump

INTRODUCTION

Thank you for purchasing this CLARKE vane pump,

Suitable for use with strong corrosive chemicals such as acid (not suitable for use with nitric acid), alkali and water based chemicals.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully.



WARNING: THIS PRODUCT SHOULD NOT BE USED FOR FLUID TRANSFER INTO AIRCRAFT. THIS PRODUCT IS NOT SUITABLE FOR USE WITH FLUIDS FOR HUMAN CONSUMPTION OR AQUEOUS FLUIDS.

SAFETY

To ensure safe and efficient operation, it is essential to read and follow each of these warnings and precautions.

1. When used to pump flammable liquids, improper use or installation of this product can cause serious bodily injury or death.
 2. Do NOT smoke near the pump or use the pump near an open flame. Fire could result.
 3. When pumping flammable liquids, all equipment must be grounded to prevent the build up of static electricity which may ignite vapours or gases.
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SPECIFICATIONS

Barrel Adaptor Size	2" BSP	Outlet Tube Diameter	19 mm
Max Flow	0.35l per rotation	Dims (WxDxH)	215 x 270 x 1325 mm
Inlet Tube Diameter	27 mm	Product Weight	2.1 kg

GUARANTEE

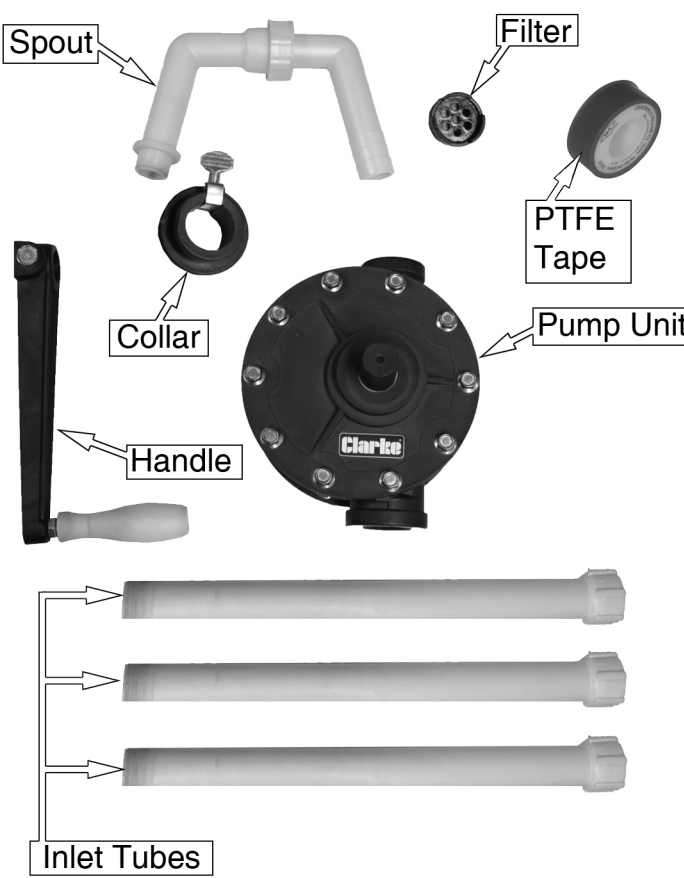

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

ASSEMBLY

WHAT IS SUPPLIED	ASSEMBLED
 <p>The image shows an exploded view of the pump assembly components. The parts are labeled as follows: Spout (a white L-shaped pipe), Filter (a small circular mesh filter), PTFE Tape (a black ring), Pump Unit (a black circular pump head with 'Clarke' branding), Collar (a black ring), Handle (a black lever with a white grip), and Inlet Tubes (three long white tubes). Arrows point from the labels to the corresponding parts.</p>	 <p>The image shows the fully assembled pump unit, which consists of the pump head, handle, spout, and inlet tubes connected together.</p>

FITTING THE PUMP TO A BARREL

1. Assemble the pump using the required number of inlet tubes. Use the PTFE tape at all connections
 - The tube which contains the black filter + mesh should be at the bottom.
2. Screw the collar into the threaded opening of the barrel.
3. Raise or lower the inlet tube so that it is just off of the bottom of the barrel when fitted.

USING THE PUMP

1. Make sure all connections are secure and place a suitable container under the spout.
2. Rotate the handle to draw fluid from the barrel.
 - The first time you use the pump, liquid should begin flowing after several turns of the handle

MAINTENANCE

CLEANING THE INLET FILTER

1. Unscrew the inlet filter from the bottom of the inlet tube and clear away any debris it has trapped.
2. Replace the filter.



CAUTION: DO NOT USE THE PUMP WITHOUT THE FILTER IN PLACE.

CHEMICAL RESISTANCE TABLE

- Room Temperature
- % Say Mass Concentration

WATER	ACIDS	ALKALI	PETROLEUM BASED	HALOGENS	ALCOHOL	THINNER
Sea Water	Acetic Acid 20%	Potassium Hydroxide 25%	Silicone Oil	Calcium Chloride 10%	Ethanol 96%	Acetone
	Boric Acid 10%	Sodium Hydroxide solution 50%		Copper Sulphate	Glycerine	
	Citric Acid 10%			Potassium Dichromate 10%	Glycol	
	Formic Acid			Soap Solution	Isopropanol	
	Hydraulic Acid 35%			Sodium Chloride 10%	Methanol	
	Lactic Acid 80%			Sodium Nitrate 10%	Propanol	
	Nitric Acid 30%			Sodium Thiosulphate		
	Oxalic Acid 50%			Zinc Chloride 10%		
	Phosphoric Acid 50%					
	Sulphuric Acid 80%					

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