

Elcometer KARA Double Diaphragm Transfer Pumps



Ideal for use with water and solvent based materials, the Elcometer Kara double diaphragm transfer pumps are engineered to quickly and consistently supply fluid smoothly. With high 30-40 litres per minute fluid delivery capacity, a smooth air change over valve and aluminium, stainless steel & PTFE polyamide construction Elcometer Kara transfer pumps are built to last.

- **Powerful performance**
With up to 40 litres per minute maximum free flow, the Elcometer Kara's powerful fluid circulation keeps paint homogenous whilst ensuring pulse-free material flows to the application points, even with long fluid hoses. In fact, the Elcometer Kara's high performance can support multiple spray guns at once.
- **Robust**
Rugged stainless steel and aluminium construction to handle a wide variety of fluid types.
- **Excellent cost of ownership**
Designed with low air consumption, the Elcometer Kara helps to lower expensive compressor running costs.
- **Versatile**
Whether you are working with water based, solvent based or abrasive materials there is an Elcometer Kara Transfer Pump available with optional drum lid and rotary agitator to suit your requirements.

Key features

1. 40lpm fluid delivery capacity
2. Versatile front and top fluid outlets for ease of use
3. Low pulsing air distribution manifold uses durable metal to metal technology to prevent pump stalling
4. KARA 40 supplied with Polypropylene seats and PTFE balls for water based and solvent materials
5. Durable lightweight anodized aluminium pump housing
6. Fast and easy to service on site using standard tools to reduce downtime
7. KARA 40A Abrasive Transfer Pump is supplied with stainless steel balls and seats to suit ceramic based materials
8. Versatile front and top fluid outlets for ease of use
9. Stainless steel balls and seats for water based and semi viscous materials
10. Modular air valve provides smooth and rapid changeover for increased efficiency and minimised down time
11. Durable lightweight anodized aluminium pump housing
12. Lightweight, anti-corrosive Polyethylene (LDPE) centre housing
13. Available with 200 litre drum lid and rotary agitator



The Elcometer KARA is suitable for use with:

The Elcometer Kara range is suitable for use with Solvent Based and Water Based materials as well a wide range of products.

Kara 30 & Kara 40

Single component (1k) epoxies	Single component (1k) polyurethanes	Plural (2k) & multi-component (3k) low viscose polyurethane epoxies ¹
Water based enamel coatings	Solvent-based primer and base coats	Quick air dry enamel coatings
Metallic-based epoxy coatings	Wood stains	High solid pre-catalysed lacquers
Acid-catalyst wood lacquers	Waterborne lacquers	UV curable epoxies
Water based UV coatings	1k fire-retardant coatings	Natural wood oils
Antimicrobial lacquers	Sealers and undercoats	-

Kara 1-40A

Inorganic zinc coatings	Stove enamels	Graphene-based materials
Water based ceramic glaze coatings	Abrasive coatings for cosmetic & glass	Vitreous enamel
Vitreous sanitaryware glaze	Industrial porcelain coating	Ceramic tableware glaze

Technical Specifications

	KARA 30	KARA 40	KARA 40A
Ratio	1 : 1	1 : 1	1 : 1
Maximum fluid particle size**	0.25mm	0.25mm	0.25mm
Fluid temperature range	4.4 - 60°C	4.4 - 60°C	4.4 - 60°C
Fluid inlet size	1/2" BSP Male	1/2" BSP Male	1/2" BSP Male
Fluid outlet size	1/2" BSP Male	1/2" BSP Male	1/2" BSP Male
Compatible Products that can be pumped	Solvent and water-based products	Solvent and water-based products	Abrasive, solvent and water-based products
Seats	Stainless Steel	Polypropylene	Stainless Steel
Balls	Stainless Steel	PTFE	Stainless Steel
Diaphragm	Polyethylene	PTFE	PTFE
Pump Body / Cylinder Housing	Polyethylene / Aluminium	PTFE / Aluminium	PTFE / Aluminium
Centre Section	Aluminium	Polyamide	Polyamide
Pump Body / Cylinder Housing	Polyamide / Aluminium	Polyamide / Aluminium	Polyamide / Aluminium
Air Pressure Operating Range	1-6bar	1-7bar	1-7bar
Air Consumption at 3 bar (43.5 psi) & 7.5 CPM	1.8lpm (0.06cfm)	-	-
Air Consumption at 3 bar (43.5 psi) & 16 CPM	-	7.92lpm (0.28cfm)	7.92lpm (0.28cfm)
Maximum Air Inlet Pressure	6bar (87psi)	7bar (101psi)	7bar (101psi)
Air Inlet	1/4" BSP Female	1/4" BSP Female	1/4" BSP Female
Air Exhaust / Silencer Port	1/2" BSP Female	1/2" BSP Female	1/2" BSP Female
Compressor Requirements (Minimum)	No Minimum	No Minimum	No Minimum
Ambient Air Temperature Operating Range	4.4 - 60°C	4.4 - 60°C	4.4 - 60°C
Maximum Fluid Outlet Working Pressure	6bar	7bar	7bar
Product Output per Cycle	80 cc	165 cc	165 cc
Maximum Free Flow	30 lpm	40 lpm	40 lpm
Free Flow Delivery @ 60 CPM*	4.8 lpm	10 lpm	10 lpm
Weight (Pump only)	3.3 kg	4.6kg	4.8kg
Dimensions (Wall Mount)	185 x 141 x 215mm	210 x 204 x 270mm	210 x 204 x 270mm

1. With suction hose or deposit and pump output filter.

2. Product Output per Cycle = Fluid Displacement per Cycle
2. Maximum Free Flow is the volume of fluid the pump can transfer at maximum speed and at an undefined number of cycles.
3. Maximum values with water as test media.

Part Numbers

Elcometer Kara 30 Double Diaphragm Transfer Pump



Part Number: PTD130AS

Elcometer Kara 40 Double Diaphragm Transfer Pump



Part Number: PTD140AS

Elcometer Kara 40A Double Diaphragm Transfer Pump for Abrasive Materials



Part Number: PTD140AAS

Elcometer 200 Drum Cover with Elcometer Kara 40 Double Diaphragm Transfer Pump



Part Number: PSD140AS-C

Elcometer 200 Drum Cover with Elcometer Kara 40 Double Diaphragm Transfer Pump & Rotary Agitator



Part Number: PSD140AS-C-RA

Accessories

Anti-static Air Hose - 6m Ø 8x15mm



Part Number: 56414024

Anti-static Air Hose - 11m Ø 8x15mm



Part Number: 56414025

Anti-static Air Hose - 16m Ø 8x15mm



Part Number: 56414027

Anti-static Air Hose - 26m Ø 8x15mm



Part Number: 56414026

1.8m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414130

5m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414039

7.5m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414044

10m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414040

15m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414041

20m Covered Anti-Static Air & Nylon Product Hose



Part Number: PT56414042

Anti-static Air Hose - 21m Ø 8x15mm

Part Number: PT56414028



6m Thermo Rubber Product Hose with 3/8" Female Connection

Part Number: PT56414116



11m Thermo Rubber Product Hose with 3/8" Female Connection

Part Number: PT56414117



16m Thermo Rubber Product Hose with 3/8" Female Connection

Part Number: PT56414115



21m Thermo Rubber, ID: 8mm x OD: 16mm with 3/8" Female Connection

Part Number: PT56414118



26m Thermo Rubber, ID: 8mm x OD: 16mm with 3/8" Female Connection

Part Number: PT56414119

