

ELCOMETER  
**HUDSON**  
TRANSFER PUMPS



elcometer®

# ELCOMETER HUDSON

TRANSFER PUMPS

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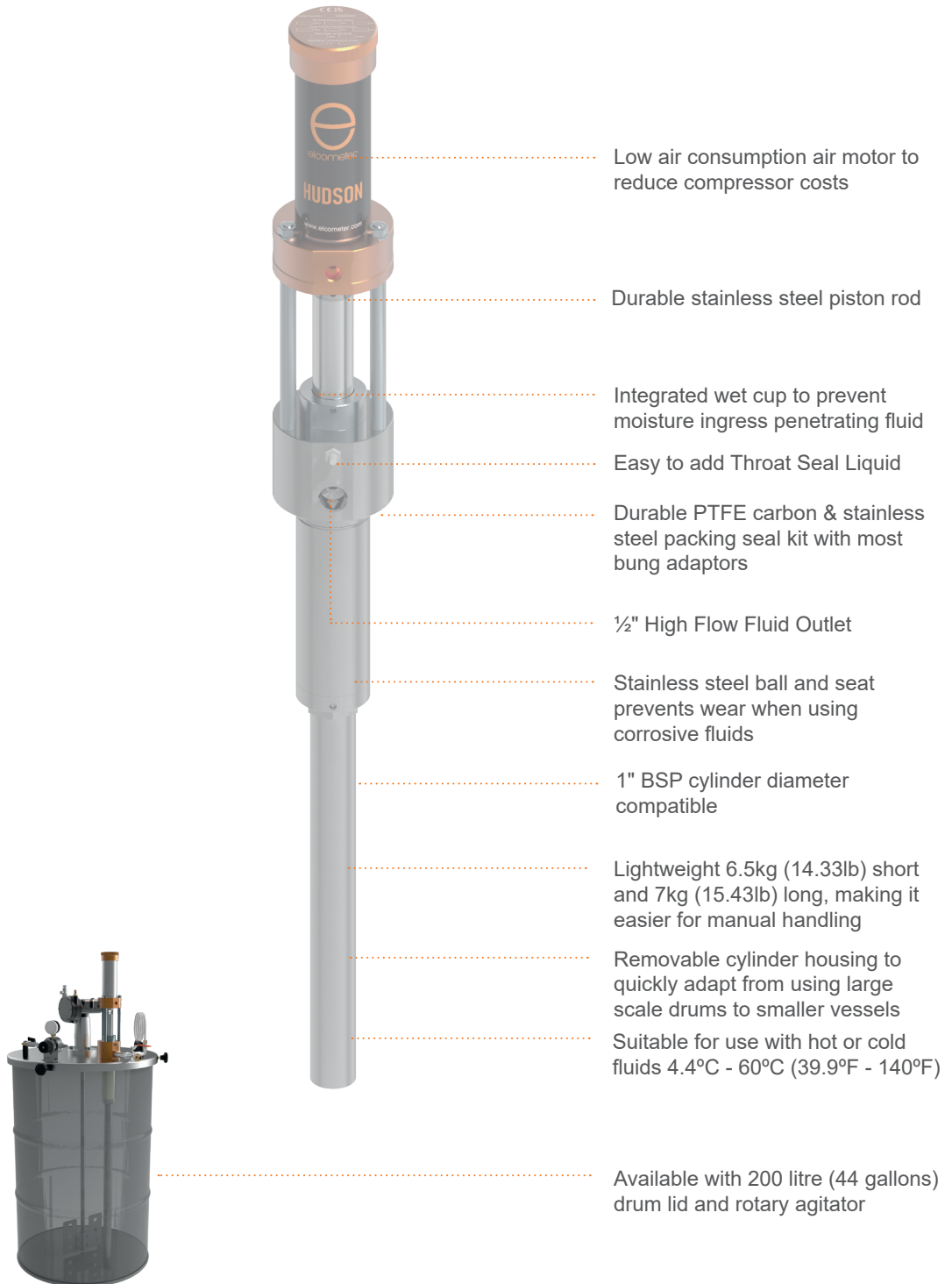
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COMPLIANCE:

ATEX  2 II GX

The **Elcometer HUDSON** is a stainless steel piston transfer pump engineered to transfer solvent and water based fluids with a particle size of up to 5mm (0.2").

## Key Features



# Elcometer HUDSON Key Features

Designed to handle a broad range of water and solvent based materials, from hot to high viscous fluids or corrosive liquids, the Elcometer HUDSON's high flow rate and immersed inlet makes it ideal for priming fluids.

## IDEAL FOR USE WITH:

Material	
Solvent Based	▶
Water Based	▶
Product	
Antifreeze	▶
Windshield Washer Liquid	▶
Motor Oil	▶
Used Oil	▶
Hydraulic Fluid	▶
Water based Inks	▶
Oil-based materials	▶
Solvent-based materials	▶
Water-based materials	▶
Inks and Dyes	▶

## Powerful performance

With up to 60 litres per minute (18.73gpm) maximum free flow, the Elcometer Hudson is the ideal stick pump to transfer most types of hot or cold, viscous or corrosive liquids.

## Durable and hardwearing

The Elcometer Hudson is a very low maintenance pump with hardwearing components such as the PTFE carbon and stainless steel packing seal kit, making it incredibly durable and long lasting.

## Efficient

Designed with low air consumption, the Elcometer Hudson helps to lower expensive compressor usage costs.

## Safe

The Elcometer Hudson conforms to ATEX Zone 2 ensuring it is safe for use in potentially hazardous Zone 2 areas.



Durable design for the toughest environments.



Available with drum lid and rotary agitator.

# TECHNICAL SPECIFICATION

	HUDSON 60 SHORT	HUDSON 60 LONG
Shaft Length	488.75mm (19.24")	867.25mm (34.14")
Ratio	1 : 1	
Maximum fluid particle size <sup>1</sup>	5mm (0.2")	
Fluid temperature range	4.4 - 60°C (40 - 140°F)	
Fluid inlet size	1" BSP Female	
Fluid outlet size	½" BSP Male	
Compatible Products that can be pumped	Solvent, waterbased and corrosive products	
COMPOSITION OF PARTS IN CONTACT WITH PRODUCT (WET)		
Top Valve	Stainless Steel	
Bottom Valve	Stainless Steel	
Pump Body / Cylinder Housing	Stainless Steel	
Packing Kit (Top)	PTFE Carbon/Stainless Steel	
Packing Kit (Bottom)	PTFE	
EXTERNAL PUMP PARTS (DRY)		
Pump Body / Cylinder Housing	Stainless Steel/ Anodised Aluminium	
AIR		
Air Pressure Operating Range	1-7 bar (14-101 psi)	
Air Consumption at 3 bar (43.5 psi) & 7.5 CPM	3.75lpm (0.97gpm)	
Air Consumption at 3 bar (43.5 psi) & 16 CPM	8.0lpm (2.09gpm)	
Maximum Air Inlet Pressure	7 bar (101 psi)	
Air Inlet	¼" BSP Female	
Air Exhaust / Silencer Port	2 x Ø6mm (2 x Ø0.23")	
Ambient Air Temperature Operating Range	4.4 - 60°C (40 - 140°F)	
Compressor Requirements (Minimum)	1.25lpm / 0.04cfm @ 1 bar (46 US fl oz @ 15 psi)	
FLUID / PRODUCT		
Maximum Fluid Outlet Working Pressure	7 bar (101 psi)	
Stroke Length	85 mm (3.35")	
Product Output per Cycle <sup>2</sup>	170 cc (6.15fl oz/min)	
Maximum Free Flow <sup>3</sup>	60lpm (18.73gpm)	
Free Flow Delivery @ 60 CPM <sup>4</sup>	15lpm (3.96gpm)	
DIMENSIONS		
Weight (Pump only)	6.5kg (14.33 lb)	7.0kg (15.43 lb)
Dimensions	97 x 88 x 877mm (3.82 x 3.46 x 34.53")	97 x 88 x 1256mm (3.82 x 3.46 x 49.45")

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

2. Product Output per Cycle = Fluid Displacement per Cycle

3. Maximum Free Flow is the volume of fluid the pump is able to transfer at maximum speed and at an undefined number of cycles.

4. Maximum values with water as test media.

\* **lpm**: Litres per minute   **fl oz/min** : US Fluid ounces per minute   **gpm**; US Gallons per minute   **CPM**: Cycles per minute

# Elcometer HUDSON Part Numbers

PART NUMBERS		◀ Supplied as standard			◀ Optional extra			
Part Number	Description	Pump Configuration			Mixer Type			
		None	Elcometer 200 Drum Cover	Combined Air & Product Hose <sup>1</sup>	None	Manual	Rotary Agitator	Oscillating
PTP160SAS	Elcometer Hudson 60 Stainless Steel Piston Transfer Pump - Short	◀		◁	◀			
PTP160LAS	Elcometer Hudson 60 Stainless Steel Piston Transfer Pump - Long	◀		◁	◀			
PSP160LAS-C	Elcometer 200 Drum Cover complete with Elcometer Hudson 60 Stainless Steel Piston Transfer Pump - Long		◀	◁	◀			
PSP160LAS-C-RA	Elcometer 200 Drum Cover complete with Elcometer Hudson 60 Stainless Steel Piston Transfer Pump - Long & Rotary Agitator		◀	◁			◀	



## Elcometer 200 Drum Cover with Hudson 60 Transfer Pump

The Elcometer 200 Drum Cover fitted with the Hudson 60 Long Transfer Pump complete with air inlet regulator.



## Elcometer 200 Drum Cover with Hudson 60 Transfer Pump & Rotary Agitator

The Elcometer 200 Drum Cover fitted with the Hudson 60 Long Transfer Pump complete with rotary agitator and air inlet regulator.

# Elcometer HUDSON Accessories

For a complete breakdown of Elcometer Hudson pump spares, including diagrams, please see Section 7 Spare Parts.

## Replacement Parts - General

Part Number	Description	Part Number	Description
PT84260702	Pump Cylinder Base Stop Cap	PT86467405	Piston Valve
PT86466404	Pump Control Valve Assembly	PT84260019	Hydraulic Cylinder Nylon Gasket
PT82160020	Pneumatic Pump Cylinder	PT30090353	Packing Kit
PT83160013	Pump Shaft	PT84260008	Pump Plug Rubber Gasket
PT84260203	Piston Packing	PT84760204	Cylindrical Spring (41 x 47 x 3mm)
PT84760302	Conical Spring (44 x 16 x 29 x 3mm)		

## Combined Air & Product Hose for Air Spray (Low Pressure) Systems

Polyester covered, lightweight and durable combined air and product hose, comprises of 8 x 15mm (0.31 x 0.59") rubber EPDM anti-static air hose with female to female 1/4" connections and 6 x 8mm (0.24 x 0.31") nylon product hose with female 3/8" adaptor for pressure spray guns.



Air Hose Working Pressure (Max): 20bar (290psi)  
Product Hose Working Pressure (Max): 18bar (261psi)

Part Number					
1.8m (5.9ft)	5m (16.4ft)	7.5m (24.6ft)	10m (32.8ft)	15m (49.2ft)	20m (65.6ft)
PT56414130	PT56414039	PT56414044	PT56414040	PT56414041	PT56414042

## Anti-Static Air Hose for Air Spray (Low Pressure) Systems

Anti-Static, EDPM with textile reinforcement, ID: 8mm x OD: 15mm with 1/4" Female Connection, ideal for use with Elcometer Kara Pumps.



Part Number				
6m (19.7ft)	11m (36ft)	16m (52.5ft)	21m (68.9ft)	26m (85.3ft)
PT56414024	PT56414025	PT56414027	PT56414028	PT56414026

## Thermo Rubber Product Hose for Air Spray (Low Pressure) Systems

Thermo Rubber, ID: 8mm x OD: 16mm with 3/8" Female Connection, ideal for use with Elcometer Kara Pumps.



Part Number				
6m (19.7ft)	11m (36ft)	16m (52.5ft)	21m (68.9ft)	26m (85.3ft)
PT56414116	PT56414117	PT56414115	PT56414118	PT56414119



#### **ENGLAND, UK**

Elcometer Limited  
+44 (0)161 371 6000  
sales@elcometer.com  
www.elcometer.com

#### **FRANCE**

Elcometer Sarl  
+33 (0)2 38 86 33 44  
fr\_info@elcometer.com  
www.elcometer.fr

#### **GERMANY**

Elcometer Instruments GmbH  
AALEN: +49 (0) 7361 52806 0  
LEER: +49 (0) 7361 528 06 60  
de\_info@elcometer.com  
www.elcometer.de

#### **THE NETHERLANDS**

Elcometer B.V.  
+31 (0)30 259 1818  
nl\_info@elcometer.com  
www.elcometer.nl

#### **SPAIN**

Sagola SA  
+34 945 214 150  
sagola@sagola.com  
www.sagola.com

#### **JAPAN**

Elcometer KK  
+81 (0)3 6869 0770  
jp\_info@elcometer.com  
www.elcometer.co.jp

#### **REPUBLIC OF SINGAPORE**

Elcometer (Asia) Pte Ltd  
+65 6462 2822  
asia@elcometer.com  
www.elcometer.com

#### **UNITED ARAB EMIRATES**

Elcometer LLC  
+971 4 295 0191  
+971 4 280 3526  
uae\_sales@elcometer.com  
www.elcometer.ae

#### **UNITED STATES OF AMERICA**

Elcometer Inc  
WARREN, MI: +1 248 650 0500  
HOUSTON, TX: +1 713 450 0631  
Toll Free: 800 521 0635  
inc@elcometer.com  
www.elcometer.com

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