

Elcometer RIGA Vertical Bellows



The gentle pumping action of the Elcometer Riga V air assisted airless pump, with its vertical bellows - combined with reduced sealing surfaces, provides excellent fluid handling and supply of shear-sensitive materials, including UV coatings and waterborne materials. Precision engineered and designed for handling of shear sensitive, moisture-sensitive materials and UV coatings, the Elcometer Riga range is ideal for automated paint lines where performance, reliability and coating stability matter most.

- Smooth internal paint flow**
 Ideal for flatbed coating systems, the gentle bellows action of the Elcometer Riga pump prevents paint bubbling of sheer sensitive materials such as varnishes UV-cure coatings, high-solid waterborne and solvent based materials.
- Durable and reliable**
 With minimal working parts to replace, the tough stainless steel and aluminium construction of the Elcometer Riga provides long-lasting durability with minimal maintenance, even for highly demanding materials.
- Enclosed bellows system**
 The Elcometer Riga ensures no air or moisture contamination - ideal for moisture sensitive coatings even when it fails, thanks its closed system with no exposed seals or packing.
- Easy to use and maintain**
 Elcometer Riga bellows pumps are easy to operate and simple to maintain.

Key features

- Low air consumption air motor 0.86cfm for improved efficiency and low running costs
- Anti-pulse fluid filter fitted as standard ensures consistent spraying
- Rugged stainless steel and aluminium pump construction handles a wide variety of fluid types
- Smooth bellows action for uniform paint flow, engineered for use with sheer sensitive coatings
- No exposed seals or packing reduces maintenance or contamination
- Easy to flush through for fast colour changes
- Fluid and air regulator included as standard for consistent control of fluid & air pressure
- Fewer working parts to replace, enhanced reliability and less down time
- Each pump is fitted on to a rugged & ergonomic trolley with built-in hose & gun rack, for easy movement around site - unbolt the bracket and pump from the trolley to wall mount
- Wall mounted with suction hose only 12kg



The Elcometer RIGA is suitable for use with:

Product		
Pre-catalysed wood lacquers	Acid catalyst wood lacquers	Waterborne wood lacquers
Exterior joinery coatings	Fire retardant class b-s1, d0 coatings	Fire retardant acid catalyst wood lacquers
Floor lacquers	Single component (1k) epoxies	Single component (1k) polyurethanes
Anti-fouling (1k) low viscose coatings	Water based enamel	Military grade bio grade coatings
Sound deadener coatings	Solvent based polyurethane coatings	Epoxy primers
UV Curable wood coatings	Moisture sensitive polyurethane coatings	UV Curable polyurethanes

Upgrade to Elcometer RIGA Packages

The Elcometer RIGA range is available as a complete kit with the Sagola V7 MIX Automatic Spray Gun, fluid regulator, filter and product & air hose kit.



1. Elcometer RIGA Pumps	1. Air and Product Hose	3. Sagola V7 Mix
The range of Elcometer RIGA pumps are available wall or trolley mounted supplied with a fluid regulator and suction hose as standard. Hoppers can be purchased separately.	7.5m Combined Anti-Static Air & Product Hose with Protective Cover for Air Spray (Low Pressure) Systems.	Sagola V7 Mix Automatic Air Assisted Airless Spray Gun with a choice of aircap, needle and nozzle combinations to suit your application.

Technical Specifications

	RIGA H10	RIGA H15	RIGA H25	RIGA V25
Ratio	10:01	15:01	25:01:00	25:01:00
Maximum fluid particle size**	0.25mm	0.25mm	0.25mm	0.25mm
Fluid temperature range	4.4 – 60°C	4.4 – 60°C	4.4 – 60°C	4.4 – 60°C
Fluid inlet size	Metric 36 x 2 (Male)	Metric 36 x 2 (Male)	Metric 36 x 2 (Male)	¾" BSP Male
Fluid outlet size	¼" BSP Male	¼" BSP Male	¼" BSP Male	¼" BSP Male
Seats	Stainless Steel	Stainless Steel	Stainless Steel	Polyamide
Balls	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Pump Body / Cylinder Housing	Aluminium	Aluminium	Aluminium	Aluminium
Centre Section	Hard Chrome Stainless Steel	Hard Chrome Stainless Steel	Hard Chrome Stainless Steel	Hard Chrome Stainless Steel
Packing Kit (Top)	Polyethylene, Stainless Steel	Polyethylene, Stainless Steel	Polyethylene, Stainless Steel	Polyethylene, Stainless Steel
Packing Kit (Bottom)	-	-	-	Polyethylene, Stainless Steel
Pump Body / Cylinder Housing	Aluminium	Aluminium	Aluminium	Aluminium
Air Pressure Operating Range	1-6bar	1-6bar	1-6bar	1-7bar
Air consumption at 60 bar & 2.4 CPM	16.71lpm	13.85lpm	14.96lpm	-

Air consumption at 100 bar & 5.7 CPM	-	-	-	24.31lpm
Maximum Air Inlet Pressure	6bar	6bar	6bar	7bar
Air Inlet	¼" BSP Female	¼" BSP Female	¼" BSP Female	¼" BSP Female
Air Exhaust / Silencer Port	¼" BSP Female	¼" BSP Female	¼" BSP Female	¼" BSP Female
Minimum compressor requirements	16.71lpm	13.85lpm	14.96lpm	24.31lpm
Ambient Air Temperature Operating Range	-10 – 60°C	-10 – 60°C	-10 – 60°C	-10 – 60°C
Maximum Fluid Outlet Working Pressure	66bar	82bar	148bar	176bar
Stroke Length	42mm	42mm	42mm	44mm
Maximum Spray Tip Size	-	-	-	0.45m
Product Output per Cycle	105.55 cc	105.55 cc	105.55 cc	42.33 cc
Free Flow Delivery @ 60 CPM*	9.75 lpm	9.75 lpm	9.75 lpm	2.54 lpm
Weight (Pump only)	24kg	25kg	31kg	9.7kg
Weight (Wall Mount with Suction Hose)	26.3kg	27.3kg	33.3kg	12kg
Weight (Cart Mount with Suction Hose)	37.5kg	38.5kg	44.5kg	24.5kg
Dimensions (Cart Mount)	543 x 527 x 999mm	543 x 527 x 999mm	543 x 527 x 999mm	439 x 490 x 999mm
Dimensions (Wall Mount)	543 x 359 x 516mm	543 x 359 x 516mm	543 x 359 x 516mm	332 x 294 x 527mm

1. With suction hose or deposit and pump output filter.
2. Product Output per Cycle = Fluid Displacement per Cycle
3. Maximum values with water as test media.

Package Selector

Part Number	Pump Configuration						Spray Gun				
	Wall Mount	Trolley & Wall Mount	Suction Hose	Hopper Fed	7.0m Air & Product Hose	Anti-pulse chamber	Sagola Mini Xtreme Mix Spray Gun	Sagola V7 Mix Standard Automatic Spray Gun	Sagola V7 Mix Robotic Automatic Spray Gun	Spray Tip	
RIGA H10											
RH10-MXM-1340		▲	▲		▲	▲	▲			13/40	
RH10-MXM-1140		▲	▲		▲	▲	▲			11/40	
RIGA H15											
RH15-MXM-1340		▲	▲		▲	▲	▲			13/40	
RH15-MXM-1140		▲	▲		▲	▲	▲			11/40	
RIGA H25											
RH25-MXM-1340		▲	▲		▲	▲	▲			13/40	
RH25-MXM-1140		▲	▲		▲	▲	▲			11/40	
RH25-V7S-1340		▲	▲		▲			Standard		13/40	
RH25-V7R-1340		▲			▲				Robotic	11/40	

RIGA V25

RV25-MXM-1340		▲	▲		▲	▲	▲			13/40
RV25-MXM-1140		▲	▲		▲	▲	▲			11/40

Part Numbers

Elcometer Riga V25 Air Assisted Airless Bellows Piston Spray Pump

Part Number: PSPB25AAA-T



Elcometer Riga V25 Air Assisted Airless Bellows Piston Spray Pump & Sagola Mini Xtreme Mix Spray gun-13/40 Spray Tip

Part Number: RV25-MXM-1340



Elcometer Riga V25 Air Assisted Airless Bellows Piston Spray Pump & Sagola Mini Xtreme Mix Spray Gun-11/40 Spray Tip

Part Number: RV25-MXM-1140



Accessories

Combined Air & Product Hose with Protective Cover; 7m

Part Number: PT56414036



Combined Air & Product Hose with Protective Cover; 11m

Part Number: PT56414037



Sagola Mini Xtreme Mix with 8mm Quick Connect Air Coupling and 1/4" Swivel Product Coupling, with Air Assisted Airless Spray Tip 11/40: 0.011"/0.28mm, 40 Degree

Part Number: PG35130202



Sagola Mini Xtreme Mix with 8mm Quick Connect Air Coupling and 1/4" Swivel Product Coupling, with Air Assisted Airless Spray Tip 13/40: 0.013"/0.33mm, 40 Degree

Part Number: PG35130206



Sagola V7 Mix Standard Automatic Spray Gun with 13/40 Spray Tip

Part Number: PG35230101



Sagola V7 Mix Robot Automatic Spray Gun with 13/40 Spray Tip

Part Number: PG35230102

