



HYDRA 44000 BI-MIX

Web: <https://www.witsrl.com/>

Email: info@witsrl.com

SKU: 44004

Categories: [Building Pumps](#), [Hydraulic piston airless pumps](#)

Dati Tecnici:

Power: 5.5 kW

Flow rate with MAX nozzle: 40 L/m

MAX pressure: 120 bar

Pipe elevation MAX: 100 m

Suggested MAX viscosity: 50,000 / 65,000 mPas

Voltage: 380-400V/50-60Hz

Amperage: Max 16 A

Mixing ratio: 1:1

MAX flow rate: 50 L/m

Hose length MAX: 100 m

Weight: 130 kg

Gasket pack: mobile

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DESCRIZIONE DEL PRODOTTO

FEATURES

Bi-component electro-hydraulic airless pump, 1:1 ratio, very high delivery output, suitable for very high density material injection. Hi-pressure hoses diam. 1/4, 3/8, 1/2. Available with three-phase electric motor or gas engine motor. Trolley c/w pneumatic wheels and rotating pump support, in order to facilitate transport and handling.

HYDRA 44000 BI-MIX is actually the most performing airless electrohydraulic bi-component injection pump in the world-wide market.

APPLICATIONS

Arcylate gels, 2k resins, most of 2k coatings with mixing ratio 1:1

APPLICATION'S FIELDS

Injection • Waterproofing • Sealing • Water stopping • Infiltrations • Crack walls

DESCRIPTION

HYDRA 44000 BI-MIX is an electric airless hydraulic 2-component piston pump, 1:1 ratio. It has been designed for injecting all kind of 2-component products in building and water-proofing applications, very high delivery output.

Ideal for large jobs.

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HIGHLIGHTS:

1. high delivery output strokes.
2. chrome-plated pistons and cylinders.
3. all parts in contact with the fluid are in stainless steel.
4. T.C. (tungsten carbide) big valve seats.
5. Ultra-high-volume hydraulic system for perfect performance even under the toughest working conditions.
6. High volume hydraulic system.
7. Innovative mechanical cooling system, that means :
8. Oil sight glass with built-in thermometer to monitor working conditions in real time.

INJECTION ACCESSORIES



063153 – flexible resin suction system kit, stainless steel (2x)



060020 – high pressure hose kit ø 6 mm, length 10 m (2x)



066560 – 2 ways twin injector kit



066562 – 2 ways w mixer t injector kit



066555 – 3-way injector unit



066551 – static mixer 13/32 (pack 10 pieces)



066002 – connection kit with hydraulic pressure gauge



003850 – gravity tank kit 6 l. (2x)



0152500 – 25 l stainless steel tank kit, complete with lid and filter (2x)

HYDRA SERIES

HYDRA series are new electric airless hydraulic piston pumps, high power, designed for spraying and injecting with no compromise all products used in building, mechanics, woodworkings, and carpentry. These really are very strong and reliable pumps . Sono apparecchiature che rappresentano il massimo in fatto di qualità, prestazioni, robustezza ed affidabilità.

TECHNICAL OVERVIEW

AIRLESS PROCESS

A piston pump takes in the coating material by suction and conveys it to the tip. Pressed through the tip at a pressure of up to a maximum of 3300 PSI (228 bar, 22.8 MPa), the coating material is atomised. This high pressure has the effect of micro fine atomization of the coating material. As no air is used in this process, it is described as an AIRLESS process. This method of spraying has the advantages of finest atomization, cloudless operation and a smooth, bubble-free surface. As well as these, the advantages of the speed of work and convenience must be mentioned.

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VISCOSITY

The unit is able to process coating materials with up to 50.000 / 65.000 mPas. If highly viscous coating materials cannot be taken in or the performance of the unit is too low, the paint must be diluted in accordance with the manufacturer's instructions. Attention: Make sure, when stirring up with motor-driven agitators that no air bubbles are stirred in. Air bubbles disturb when spraying and can, in fact, lead to interruption of operation.

TWO-COMPONENT COATING MATERIAL

The appropriate processing time must be adhered to exactly. Within this time rinse through and clean the unit meticulously with the appropriate cleaning agents. Entro questo tempo risciacquare e pulire l'unità meticolosamente con i detergenti appropriati.

FUNCTIONING OF THE UNIT

W.I.T. HYDRA series hydraulic pumps are high-pressure spraying units driven by a petrol or electric motor. The gasoline engine or electric motor drives the hydraulic pump by means of a V-belt which is under the belt cover. Hydraulic oil flows to the hydraulic motor and then moves the piston up and down in the material feed pump. The hydraulic oil flows to the hydraulic motor and then moves the piston up and down in the material feed pump.

The intake valve is opened automatically by the upward movement of the piston. The exhaust valve is open when the piston moves downwards.

The pressure control valve controls the volume and the operating pressure of the coating material. When the

coating material comes out of the 'nozzle it atomizes.

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APPLICATION

The main areas of application are those requiring thick layers of highly viscous coating material for large surfaces and high material consumption.

Primer and top coating of large surfaces, waterproofing, impregnation, building renovation, façade protection and renovation, rust protection and building protection, roof coating, roof waterproofing, concrete renovation and corrosion protection.

COATING MATERIALS WITH ABRASIVE MATERIALS

These materials have a strong wear effect on valves, seals and nozzles, but also on the spray gun. This compromises the service life of these parts, which will have to be replaced more frequently.

FILTERING

Suitable filtration is required for fault-free operation. The unit is equipped with a suction filter, a filter in the gun and a high-pressure filter on the unit. Regular inspection of these filters is recommended to prevent damage or soiling.