



HYDRA BI-MIX

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SKU: 21450

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

Dati Tecnici:

Power: 3 hp (2.2 kW)

Flow rate with MAX nozzle: 13 l/m

MAX pressure: 120 bar

Pipe elevation MAX: 100 m

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

Voltage: 230V/50Hz

Amperage: Max 16 A

Mixing ratio: 1:1

MAX flow rate: 18 l/m

Hose length MAX: 100 m

Weight: 120 kg

Gasket pack: mobile

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DESCRIZIONE DEL PRODOTTO

FEATURES

HYDRA 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. La semplicità di regolazione della pressione permette di iniettare da basse ad alte pressioni senza alcun problema.

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

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.

APPLICATION

The main area of application are thick layers of highly viscous coating material for large areas and a high consumption of material. Priming and final coating of large areas, sealing, impregnation, construction sanitation, façade protection and renovation, rust protection and building protection, roof coating, roof sealing, concrete sanitation, as well as heavy corrosion protection. Primer e rivestimento finale di grandi superfici, impermeabilizzazione, impregnazione, risanamento di edifici, protezione e rinnovamento della facciata, protezione dalla ruggine e protezione degli edifici, rivestimento del tetto, impermeabilizzazione del tetto, risanamento del calcestruzzo e protezione dalla corrosione.

COATING MATERIALS WITH ABRASIVE MATERIALS

These particles have a strong wear and tear effect on valves and tips, but also on the spray gun. This impairs the durability of these wearing parts considerably. Ciò compromette la durata di queste parti che dovranno essere sostituite più frequentemente.

FILTERING

Sufficient filtering is required for fault-free operation. The unit is equipped with a suction filter, an insertion filter in the spray gun and a high pressure filter on the unit. Regular inspection of these filters for damage or soiling is urgently recommended. L'unità è dotata di un filtro di aspirazione, un filtro nello pistola e un filtro ad alta pressione sull'unità. Si raccomanda l'ispezione regolare di questi filtri per prevenire danni o sporco.

FUNCTIONING OF THE UNIT

W.I.T. HYDRA Series are high-pressure spraying units driven by either a gasoline engine 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 inlet valve is opened automatically by the upwards movement of the piston. The outlet valve is opened when the piston moves downward. The coating material flows under high pressure through the high-pressure hose to the spray gun. When the coating material exits from the tip it atomizes. The pressure control valve controls the volume and the operating pressure of the coating material.

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.