

# PHOENIX 2K Pump, LFR & HFR

## Product Data Sheet

Rev. 4 - August 2006



### Product Description

The PHOENIX 2K Pumps (LFR and HFR) are metering, mixing and dispensing machines for reliable handling adhesives, sealants, encapsulants and other two component resin systems.

They use a unique and patented single cylinder drive system and fixed ratio pumps in a modular design. Minimum floor space is needed.

At the heart of the PHOENIX 2K Pump (LFR & HFR) two patented Posilad positive displacement pumps are placed, sized to match volume ratio 1:1 and which maintain output accuracy independent on material viscosity up to 1,000,000 cps at outputs from a few grams to several kilograms per minute.

All materials are contained within separate enclosed systems and mixing takes place in a static mixer, which greatly reduces wastage compared with manual batch mixing.

The simple and mechanically robust design has proved to be outstandingly reliable with excellent accessibility for servicing and obvious advantages over traditional two component equipment.

- Ratio range 1:1
- Outstanding viscosity acceptance
- Shot size up to 0.2 litres, dependent on ratio
- Metering accuracy better than  $\pm 1\%$
- Simple, robust, low maintenance design



The front of of the PHOENIX 2K Pump, LFR



The front of of the PHOENIX 2K Pump, HFR

 corrosion protection that stays.

### Standard Specification

Metering pumps: Patented Posiload positive displacement. 25mm bore (LFR) and up to 40mm bore (HFR). Plated mild steel.

Continuous flow rate: Up to 3 litres per minute (LFR), to 7 litres per minute (HFR), dependent on material viscosity.

Accuracy: Better than  $\pm 1\%$  shot to shot.

Machine drive: Single pneumatic cylinder and fixed ratio direct drive system.

Material feed: Standard reservoir capacity is 25 or 30 litres, mild or stainless steel.

Mixing: Manometers for dispense pressure, shot-counter/repeater, push button cycle start, emergency safety stop.

Machine finish: Painted frame and cabinet.

Services requirements: Clean dry compressed air at 8 bar 800 litres per minute (LFR) or 3400 litres per minute (HFR) for maximum output.

Weight (net): approx. 125 kgs (LFR), approx. 230 kgs (HFR).

### Standard Options

Heating for reservoirs, pumps and hoses.

Bulk feed material supply.

Operation with external signals.



The PHOENIX 2K Pump, LFR seen from the back



The PHOENIX 2K Pump, HFR seen from the back