

## **New Gear Driven 90027 Centrifugal PUMP launched at EIMA**

Hypro EU Ltd, the leading spray nozzle, pump and component manufacturer will introduce a new PTO gear-driven 90027 pump at the EIMA show in Bologna.

The 90027 is manufactured from durable cast-iron and comes fitted with a smooth running oil-lubricated gear drive. It has a 2" NPT inlet and 1½" NPT outlet with maximum flow rate of 800 lpm and maximum pressure of 9 bar and easily connects to the PTO shaft of most tractors, running at up to 540 rpm.

The 90027 comes fitted with Lifeguard® premium silicon carbide seals that makes seals less likely to fail if the pump runs dry. Lifeguard® seals resist abrasion and run cooler if the pump is run dry, any heat that is created is designed to be quickly conducted out of the seal. According to Hypro Sales Manager Ian Sutton:

“Centrifugal pumps are ideal for larger trailed sprayers. Hypro already have an extensive range of suitable hydraulically driven models which work at their best when matched with the hydraulic output of the host tractor. However, where it is not certain if all the pulling tractors will have enough hydraulic output a PTO drive is a robust solution and this pump drive option is quite common amongst European manufacturers of trailed sprayers”

For fast self-priming, the 90027 pump can be connected to Hypro's Self-Priming Adaptor, a winner of this years EIMA Technical Innovation competition, which creates a simple priming circuit to vent air out of the suction line and fill the pump with water to quickly develop initial suction. This pumping system is ideal for wide boomed, high volume trailed crop sprayers, because of the high flow performance that can be achieved and because its small size and light weight make it easy to fit where space is limited. It is also very reliable and easy to maintain, which helps to minimise down time and keep sprayers working, giving it a whole range of advantages over existing positive displacement pumps.

The 90027 pump along with the SPA can be viewed at the Hypro stand no B6 in Hall 26 at EIMA, which takes place in Bologna, Italy from 12 to 16<sup>th</sup> November 2008.