

DynamicFluid4 liquid system receives SIMA 2013 innovation award

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On top of the 17 product awards, the new completed COMMANDER line receives a SIMA 2013 innovation award in Paris for the DynamicFluid4 liquid system

“Use of all senses” to match ASC and stepless transmissions

The DynamicFluid4 is developed in terms of a faster regulation with highest possible accuracy and works with a fast “feed forward” regulation software to deal with all the challenges in modern spraying.

E.g. when the GPS based AutoSectionControl at the boom turns on section by section in a field wedge, pressure and flow have to be adjusted fast and precisely to secure the right dosage down along the boom.

Also challenges forced by tractors with stepless transmissions the DynamicFluid4 is programmed to cope with at different driving behaviours and fast speed changes giving the crop the absolute right dosage.

We often see spraying speeds changing from 7 to 14 km/h in a few seconds meaning that the flow to the nozzles needs to go up 100% in a few seconds – still obtaining the absolute right dosage to the crop.

DynamicFluid4 has built in security for pressure peaks and a self-priming function, which ensures fast start up after empty tank or nozzle change.

4-sensor technology

HARDI has designed a system which “uses all senses”. 4 sensors are supporting data from main element in the fluid system to the spray computer which again manages the regulation valve. These 4 sensors are also working as backup for each other. This results in high level of security and built-in reliability.

Ceramic valve means no leakage and high reliability

The new ceramic regulation valve is putting all flow into the system since the valve has no leakage due to absolutely close contact between the ceramic discs in the valve. The ceramic material has an extremely hard surface with very little wear and high reliability.

HARDI received the SIMA 2013 Innovation Award in Paris on Nov. 2012