



HYPRO®

## FOR IMMEDIATE RELEASE

### **Pentair Hypro® Launches Cleanload Nexus Closed Transfer Coupler**

Pentair Hypro's Cleanload Nexus is now in full production. Cleanload Nexus together with easyconnect caps enables closed transfer of agrochemicals from the bottle to the sprayer.

Pentair Hypro were part of the cross-industry team that has brought this new technology to the market, working with 13 agrochemical companies who are all committed to implement it as part of their packaging strategies as well with specialist packaging suppliers. Such industry collaboration is unprecedented and makes closed transfer a practical proposition for the first time for smaller (<20 litres) containers.

"Closed transfer means that the operator and the environment are protected from the splashes and spills that are inevitable in an open system. Using Cleanload Nexus and easyconnect caps is not only safer but also very efficient, with turnaround times as quick or quicker than pouring into an induction bowl. We're delighted that both easyconnect caps and Cleanload Nexus are now in full production after several years of lab and field testing to refine the system" Says Product Manager, Roger James

Croplife Europe, the agrochemical industry association is committed to 100% closed transfer by 2030 and this means that the 63 mm easyconnect cap will become the standard closure over the next few years. The cap will be exactly the same for all agrochemical manufacturers in Europe and this means that when buying a Cleanload Nexus Coupler farmers can be certain that it will be compatible.

To install Cleanload Nexus, it must be connected to the same suction line that draws from the induction bowl on the sprayer and also to a rinse water source between 3.5 and 7 bar pressure. The coupler can either be permanently mounted on the sprayer or alternatively fixed to a wall or stand at the filling point to be connected when needed with dry-break couplings.

Pentair Hypro have been working with Sprayer manufacturers across Europe to help them prepare their sprayers for Cleanload Nexus, either by modifying the chemical induction area or more simply by providing suction and rinse ports for external connection. Retrofitting can be quite straightforward if suction and rinse water is adequate and dealers can also offer parts, kits and advice to make the installation go smoothly.

Cleanload Nexus is manually operated with just 2 handles. The first is rotated to lock and open and regulate the flow and the second to activate rinse.

"The operator just flips the dust cap off the easyconnect cap, there is no unscrewing or fitting an adaptor. The bottle is placed upside down onto the Cleanload Nexus and the operating handle rotated, raising a probe to remove a plug within in the cap. Emptying starts immediately as air is quickly introduced and outflow rates are 0.5-1 litre per second even for thick formulations". Says Mr James.

The rinse lever operates two powerful rinse jets to clean the inside of the container, the plug then reseals the cap and the outside can be rinsed.

Partial emptying is possible using the inverted scale that will be designed into the containers, or if less than a litre is needed there is a calibrated scale on the exit hose, or an in-line measuring assembly option. Re-sealed containers can be stored and reconnected to Cleanload Nexus when needed.

Cleanload Nexus' has been designed to be fail-safe with back-up systems to prevent leaks and interlocking to prevent pressure build up. Cleanload Nexus meets the requirements of the ISO 21191 Closed Transfer standard and has been approved by JKI.

Training is freely available in installation operation and maintenance of Cleanload Nexus and interested individuals can access it by registering at [https://pentaireu.learnupon.com/users/sign\\_up](https://pentaireu.learnupon.com/users/sign_up).

To discover more about the Pentair Hypro Cleanload Nexus, how to access online training or to find out where to buy, please visit [www.cleanloadnexus.com](http://www.cleanloadnexus.com).

### **About Pentair**

At Pentair, we believe the health of our world depends on reliable access to clean, safe water. We deliver a comprehensive range of smart, sustainable water solutions to homes, business and industry around the world. Our industry leading and proven portfolio of solutions enables our customers to access clean, safe water. Whether it's improving, moving or enjoying water, we help manage the world's most precious resource. Smart, Sustainable, Water Solutions. For Life.

Pentair had revenue in 2023 of \$4.1 billion, and trades under the ticker symbol PNR. With approximately 120 locations in 25 countries and 10,000 employees, we believe that the future of water depends on us. To learn more, visit [www.pentair.com](http://www.pentair.com).

Since 1947, Pentair Hypro has helped farmers to feed the world with our highly engineered products, technological expertise and exceptional customer support we help our customers to deliver more sustainable and higher precision farming.

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