



CLEANLOAD NEXUS
THE CLOSED TRANSFER
COUPLER FOR
EASYCONNECT CAPS

CLEANLOAD NEXUS - CLOSED TRANSFER COUPLER

Fast. Effective. Simple. Safe.

GET CONNECTED

Cleanload Nexus is the first Closed Transfer Coupler designed for use with packaging fitted with an easy-connect™ cap. It is a manually operated mechanical device that will open a compatible container, rapidly remove liquid agrochemical products (fully or partially) into the sprayer tank and then clean and reseal the container.

Using Cleanload Nexus and easyconnect caps is SAFE, it protects the operator from the risk of splash-ing during filling. The innovative FAST emptying process drains at least as quickly as pouring. Emptying and cleaning has never been so SIMPLE and EFFECTIVE

FEATURES & BENEFITS

- ◆ Eliminate the risk of splashing and spilling chemical onto the operator or ground during filling.
- ◆ Empty agrochemical containers in seconds with a simple turn of the handle without unscrewing a cap or glugging.
- ◆ Clean even the stickiest chemicals with two powerful jets that target the inside of the container.
- ◆ Meets the ISO20091 standard for agrochemical closed transfer devices and JKI approved (ref G-2260).
- ◆ Compatible with easyconnect caps from all agchemical companies and proven in field testing across Europe over several seasons.

HOW TO

Cleanload Nexus may be mounted on the sprayer or on an external stand. It must be connected to the sprayer suction and a clean water source.

The user can empty and rinse containers with just 2 simple manual operations. One handle locks the container in place and pushes a plug out of the cap to quickly allow air in - and chemical out, returning the handle pulls the plug back into position. A second handle operates the rinse jets, first to clean the inside and then the outside of the container.

EASYCONNECT CAP

As part of the industry's mission to reduce agrochemical exposure to people and the environment, Europe's 11 leading agrochemical companies including BASF, Syngenta, Bayer and Corteva are committed to implement easyconnect as a key part of their packaging strategies.



**EASY
CONNECT**

CLOSED TRANSFER COUPLER

Cleanload Nexus can be installed onto a sprayer (most convenient), at the filling location, or mounted on a simple stand and connected to the sprayer suction and clean water supply either permanently or temporarily during use. Consider consulting with your sprayer manufacturer or service agent to plan installation.

You can access Pentair training material directly covering Cleanload Nexus installation, operation and maintenance by registering at: cleanloadnexus.com/training



OFF THE SPRAYER



ON THE SPRAYER



HOW IT WORKS!

1. Remove the dust cover from the easyconnect cap and then locate the bottle onto the coupler.



2. Secure the bottle rotating by the handle.



3. Continue rotating to remove the inner plug into the bottle, which will quickly empty the contents.



4. Once empty, activate the rinse jets while rotating the bottle.



5. Return the handle to re-fit the inner plug, then rinse the outside of the cap.



6. Pull the release knob, return the handle to the start position and remove the resealed bottle.





Pictures: HYPRO EU, SHUTTERSTOCK, BASF

DESIGN AND FUNCTION

COUPLER DESIGN

- | | |
|--|-----------------------|
| 1 Coupler body | 5 Rinsing Water Lever |
| 2 Suction Hose Tail Outlet | 6 Lock Release Knob |
| 3 Internal Rinse Water Hose with check valve | 7 Dust Cover |
| 4 Operating Handle | 8 Rinse Water Supply |

Since Cleanload Nexus is exposed to a wide range of different concentrated agrochemicals, annual o-ring replacement and inspection is recommended to be carried out by a trained individual.



HANDLE FUNCTION

0° Container loose, Suction closed

25° Container secure, Suction closed

30° Suction open rinse handle can be operated to clean outside of cap and inside of Cleanload Nexus

50° Suction closed

110° Probe moves upwards, Suction opens progressively as handle moved the the right

185° Rinse handle can be operate to clean inside of container

160° Suction fully open



SPECIFICATION AND PARTS

WHAT'S INCLUDED:

- ◆ A mounting bracket is supplied with Cleanload Nexus and can be fitted directly on the sprayer, a wall, floor stand, or bench, and easily secured, and removed with a single bolt.
- ◆ A 1-inch x 4 m suction hose to connect to the spray suction line. This is marked in 25 ml intervals and labels provided so it can be used to measure smaller quantities if required.
- ◆ A 16 mm (I/D) x 2.5m rinse water hose to connect to a clean rinse water source on or off the sprayer.

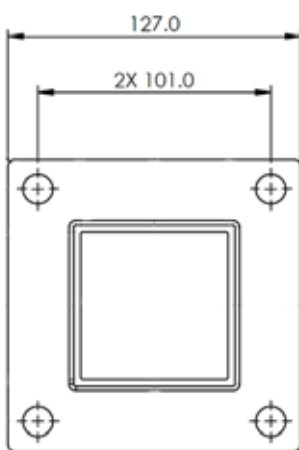


WHAT YOU WILL NEED:

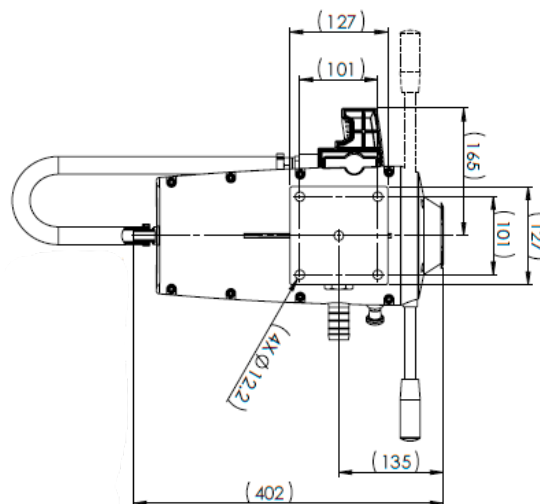
- ◆ A secure mounting point able to bear a 40 kg load at a suitable height where Cleanload Nexus is protected from dust, dirt and impact.
- ◆ The sprayer suction should be at least - 0.75 bar for the most efficient emptying.
- ◆ The clean rinse water source pressure should be at least 3.5 bar for the most effective rinsing.
- ◆ Additional connection fittings depending on situation, for example; a 1" check valve and 2 or 3 way valves and dry-break couplings for suction, tee for rinse water hose.

Model	Cleanload Nexus
Part Number:	PNR-CN100
Rinse Water pressure range	3.5 to 7.0 bar (opt. 5.0 bar)
Venturi suction range	- 0.4 to -1.0 bar
Cleanload Nexus weight	8.5 kg
Cleanload Nexus height	402 mm (with hose approx. 515 mm)
Cleanload Nexus incl. container	max. 28 kg
Container size	1 - 15 liters

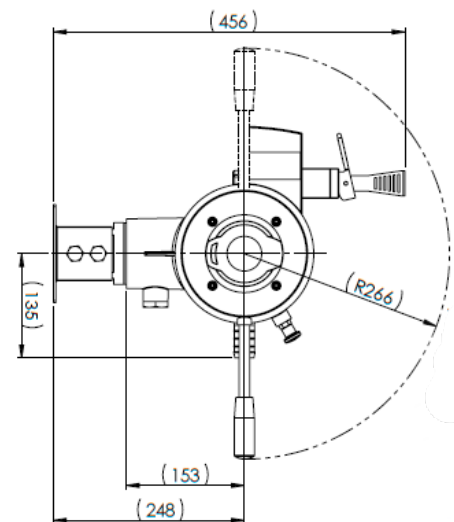
DIMENSIONEN



Bracket mounting



Cleanload Nexus



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