

*Simplified, easy lubricant handling –  
environmentally friendly and resource saving*



**WINSoCON**

*Lubrication solutions and  
consulting for windturbines*



***Cartridge system Kx***

# Kx cartridge system – the smart solution for clean lubricant handling

Environmentally friendly and careful use of resources is becoming increasingly important in all areas of life. WinSoCon has developed the **smart Kx cartridge system** to reduce the ecological footprint. Our system takes into account the holistic approach of the entire life cycle of the product and also helps to increase productivity and thus reduce costs.

## Sustainable cycle of the Kx cartridge

The cartridge has been designed as a **sustainable circulation system** in order to do the best possible justice to the aspect of environmental protection and to combine this with savings for the user.

The customer buys the cartridge for initial use and uses it either on a filling pump to refill the lubricant of a centralised lubrication system (CLS) or for direct lubrication. The cartridge can also be used instead of a reservoir to be adapted to a centralised lubrication system and grease directly sucked out of it.

The robust construction and geometric design enables a **easy emptying**. After emptying, the cartridge is returned for cleaning and refilling.

**Only cleaning and refilling costs** are incurred for each filling after the first use. The **smart Kx cartridge system** not only saves time and costs during maintenance – it also reduces the risk of errors and increases system safety many times over as the grease is sealed and does not come in contact with air or outside atmospheres.

As hardly any lubricant remains in the cartridge after it has been emptied, the cartridge can be returned to the raw material cycle once its service life has been reached.



Product images showing a cartridge, its components, and a customised size. Below is a comparison table:

CONVENTIONAL CONTAINERS	CARTRIDGE SYSTEM Kx
reuse not possible	Sustainable recycling system
not completely emptied	<1% remaining residual volume; 100% usage of the lubricant
disposal in hazardous waste	plastic from recycled material or ocean waste plastic
air inclusions can lead to malfunctions of the CLS; risk of dirt ingress	Without air and dirt ingress
complex handling	simple handling

simple adaptation to CLS – independent form brand/ CLS manufacturer

*Products for optimal service.  
quick. clean. simple.*



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