

# Everything under control

CBL System with **AdaptShield**



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# Fast reaction, optimal adaptation, automatic protection.

**AdaptShield** is a **new device** that optimally manages the functioning of CBL systems by guaranteeing the automatic **protection** of the BCA lobe pump and the primary lubricated pump in case of critical events such as plant leaks, loss of performance and over temperature.

Thanks to the self-adaptive control, AdaptShield **optimizes** the absorbed **energy** according to system conditions, with energy savings of **13%** compared to systems without AdaptShield, and **20%** compared to those with mechanical bypass.

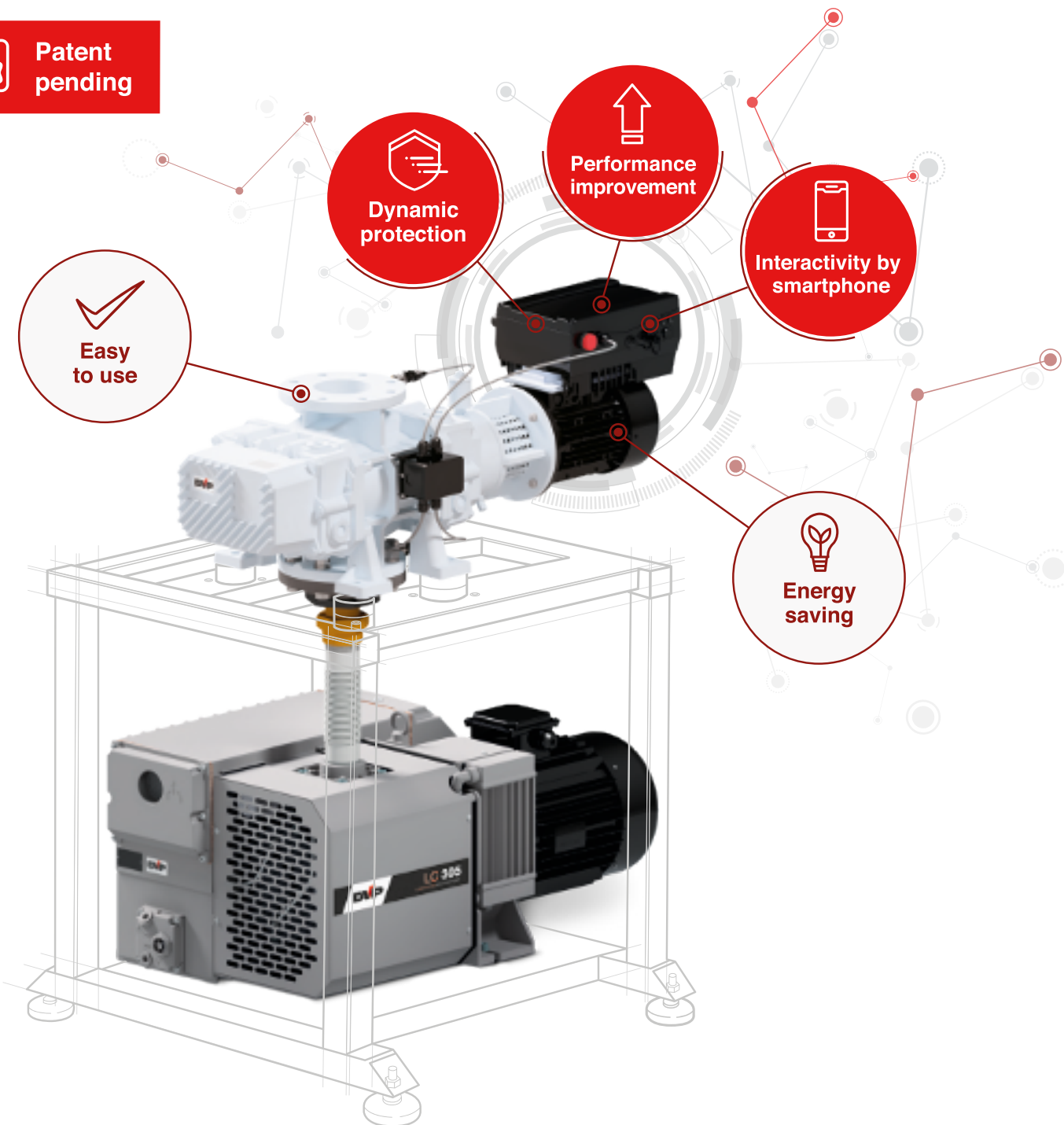
AdaptShield ensures improved **performance**: shorter pump down time, **fast reaction** to pressure variation and **optimal adaptation** to the process to enable the best possible performance.

The use of the new CBL Systems with AdaptShield is easier thanks to the plug and play installation and the fast sizing software to meet every need.

**Everything is under control** with AdaptShield, even from a smartphone with the **app** that monitors the operating parameters, error individualization and **remote support**.



Patent pending



## Dynamic protection

Primary pump + lobe pump systems protection by automatically reacting to critical events such as plant leaks, primary pump loss of performance and failure, over temperature, etc.

- Continuous tracking of pressure threshold and pressure differential
- Security check with visual response
- Signal feedback from backing pump
- Thermal protection



## Energy saving

Absorbed energy reduction by self-adaptive lobe pump control.

- Energy optimization based on system conditions, by continuous tracking of pressure differential among lobe pump inlet and outlet
- 13%** reduction in energy consumption compared to systems without AdaptShield
- 20%** reduction in energy consumption compared to systems with mechanical bypass

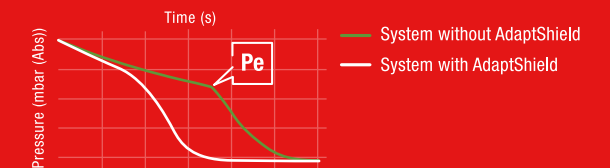


## Performance improvement

Shorter pump down time.

Fast reaction to pressure variation.

Optimal adaptation to your process.

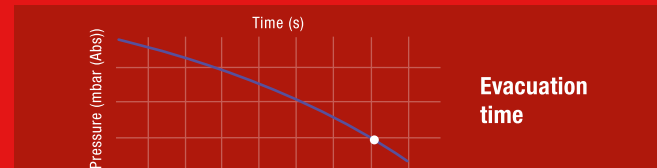


- Simultaneous triggering at atmospheric pressure with the backing pump
- Continuous tracking of pressure differential
- Signal feedback to electric drive allowing fast adjustment and reducing absorption peaks
- Maximum frequency adjustment (between 50 and 60 Hz)



## Easy to use

Easy integration into any system.

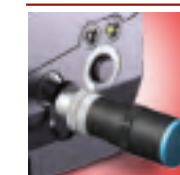


- Fast sizing software
- Plug and play installation



## Interactivity by smartphone

Data transmission for remote assistance.



Bluetooth remote monitoring.

App monitoring.

