

# AIRLOGIC<sup>®</sup> CENTRAL CONTROLLERS

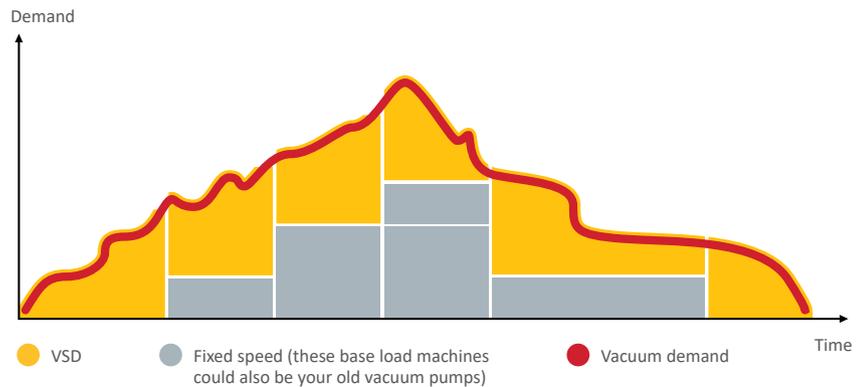
edwardsvacuum.com

Edwards' AirLogic<sup>®</sup> central controllers allow you to monitor and control multiple EOSi vacuum pumps simultaneously. Four AirLogic<sup>®</sup> controller models are available; two integrated system and two of which even enable competitive vacuum pump brands to be controlled. The operating principle is simple: one EOSi in your multi-pump installation regulates, while the other EOSi units are in base load, running at a certain percentage of the maximum speed.



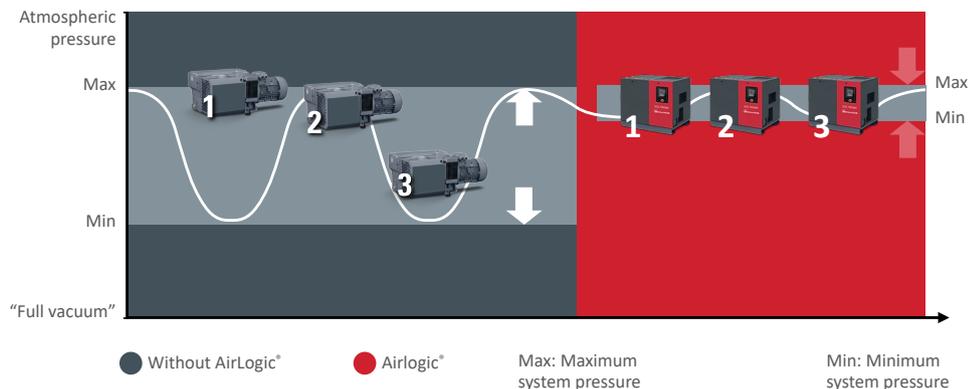
## SAVE ENERGY & CUT COSTS

Thanks to smart control, the AirLogic<sup>®</sup> gives you the most suitable product mix at all times. It does this by allowing many pumps – whether fixed or variable speed – to work together. Base load EOSi can react quickly to demand. This maximizes energy savings and reduces costs. The AirLogic<sup>®</sup> controller also allows you to run your vacuum net within a narrow, predefined pressure band. This increases the stability of the process and optimizes overall energy consumption.



## REDUCE MAINTENANCE

The task of regulating your multi-pump installation never falls to the same EOSi vacuum pump. This spreads the running hours of each unit equally amongst all of them, thereby reducing maintenance time and costs.



## FEATURES AND BENEFITS

Priority management and sequencing is possible with the AirLogic<sup>®</sup> controller. By specifying different priority settings of each machine, you can find the most economically efficient way to match demand. For example, you could set two different sequences such as one for daytime operation, and the other for night-time operation.



**OVERVIEW OF THE AIRLOGIC® RANGE**

	AirLogic® 4iv	AirLogic® 6iv	AirLogic® 6v	AirLogic® 16v
Up to ... EOSi standard or humid version		6		16
Possibility to switch on/off up to ... competitor machines		-		14
Single pressure point of measurement	✓	✓	✓	✓
Remote pressure sensor		•	✓	✓
Multiple boost versions @ optimum speed	✓	✓	✓	✓
Priority management	✓	✓	✓	✓
Running hours equalization	✓	✓	✓	✓
Virtual machine control		-		✓

✓: Standard •: Optional -: Not available



**AirLogic® 4iv, AirLogic® 6iv**

These central controllers are installed on the EOSi master unit. With the AirLogic® 4iv you can connect up to four EOSi vacuum pumps, while the AirLogic® 6iv connects up to six. Each controller offers the possibility to combine a remote pressure transducer option on the master unit for greater reactivity to demand fluctuations.



**AirLogic® 6v**

As long as at least one of the pumps in your vacuum net is an EOSi pump, the AirLogic® 6v extends control to competitive vacuum pumps. If this precondition is met, then one AirLogic® 6v can control up to six EOSi vacuum pumps and up to five competitive brands. An external pressure transducer is provided as standard with the AirLogic® 6v for greater reactivity to fluctuating demand. A special feature of the AirLogic® 6v is equal wear mode, which balances load over different pumps.



**AirLogic® 16v**

The top of the range controller is the AirLogic®16v. It can control up to 16 EOSi vacuum pumps and up to 14 competitive brands, providing at least one of the pumps in your vacuum net is a EOSi. The base load EOSi can be configured to run between 20% and 100% of the maximum speed. The base load machine reacts faster than with any controller, making a more tight pressure band possible.

The AirLogic® 16v uses virtual machine control. This allows you to use the AirLogic®16v in maintenance optimization mode or energy saving mode. What's more, you don't need to choose between the two extremes: you can select a compromise in the middle. This enables you to get the best of both modes.



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