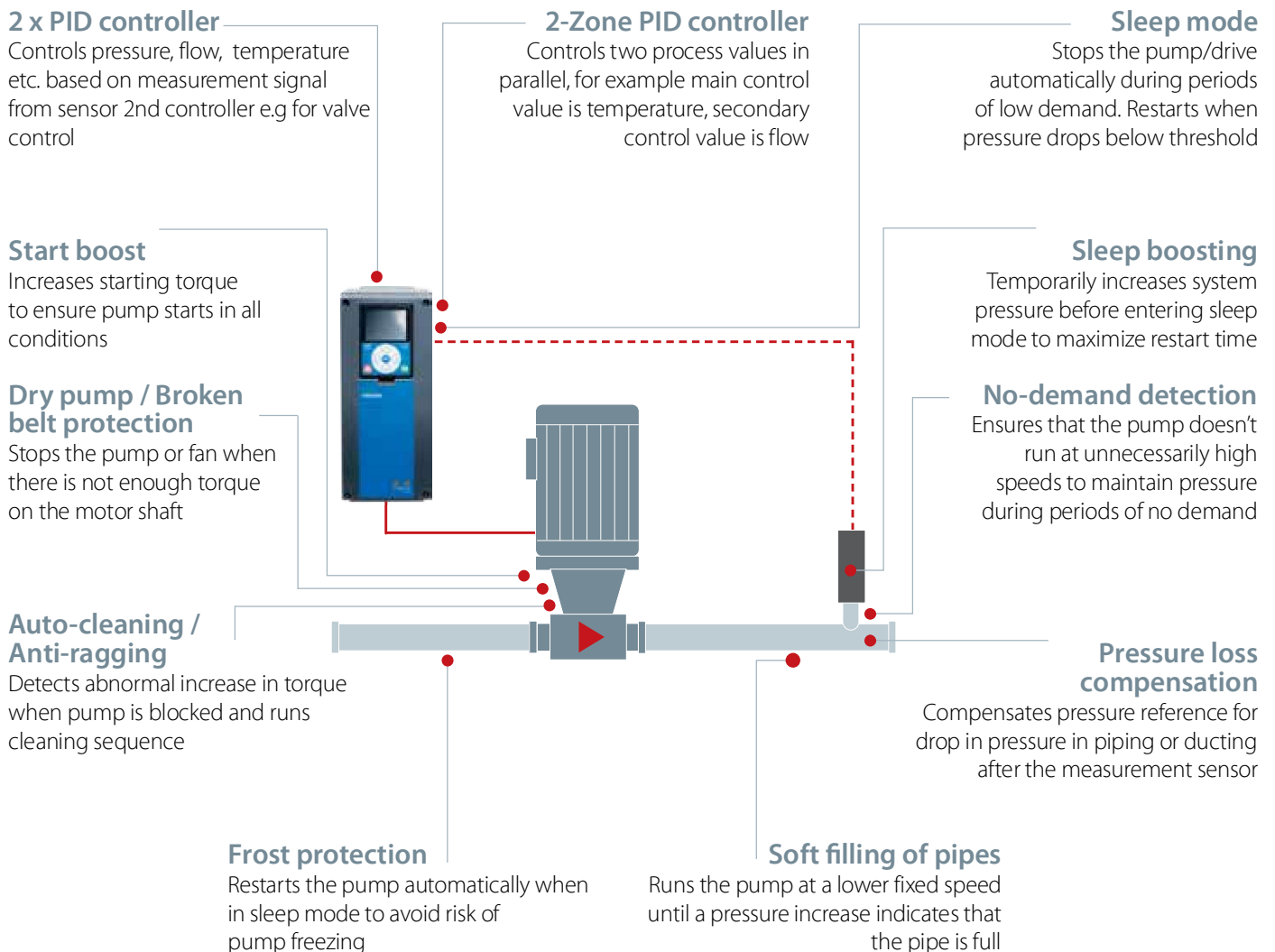


VACON® 100 FLOW

Dedicated pump and fan functionality

VACON® 100 FLOW is dedicated to improving flow control and saving energy in commercial pumping and ventilation systems. Combined with all the core features of the VACON® 100 family it offers user-friendliness, energy efficiency and reliable operation for all kinds of pump and fan applications.

Specifically designed features with inbuilt Multi pump control enhance pump performance and protect pipes and equipment to ensure reliable operation. The intelligent PID controller controls pump speed using a sensor, instead of an external controller. This helps the drive to react quickly to fluctuations in demand, ensuring accurate process control and optimal energy savings.

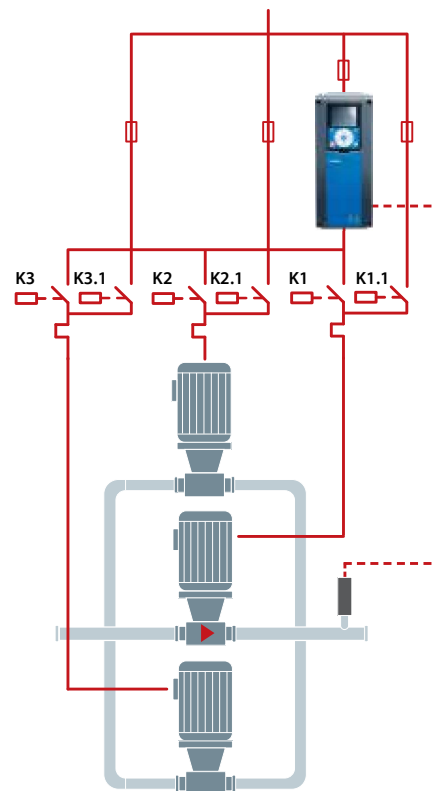




Intelligent Multipump control solutions

Multipump – Single drive system

- Up to 8 pumps can be controlled and operated through one single Drive
- Increases system efficiency in applications with large flow variations
- Individual pumps can be disconnected, increasing system redundancy
- Diverse set-ups possible
 - Fixed connection of drive to one pump allows fixed control or alternation of auxiliary pumps only
 - Dual contactors to each pump allow full alternation of all pumps in the system



Multipump - Single drive system

Multipump – Multi drive system

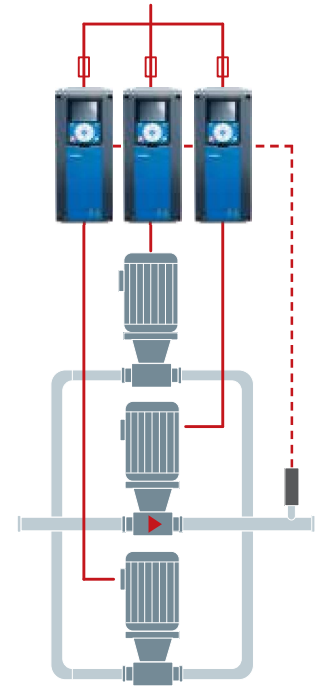
- Connect up to 8 pumps in one system
- No additional controller or PLC needed
 - Fully redundant system
 - Interaction through RS485 (Drive to Drive communication)
- Integrated pump control functionality
 - No need for additional cabling, motor protections, contactors
 - Automatic alternation of pumps
- Automatic test run to avoid pump blocking
- Master pump definition available

Multi Master Mode

- Several pumps operate in order to cover demand situation
- One pump runs in speed control mode
- The other pumps operate close to maximum frequency

Multi Follower Mode

- Several pumps operate in order to meet the load demand
- All operating pumps run in speed control mode
- Ensures increased efficiency, reduces noise levels



Multipump - Multi drive system

