



ALF Filter control systems

Control packages for use with ALF Filter installations



Alfa Laval Filter (ALF) technology protects a wide range of sensitive equipment from clogging and fouling, as well as preventing blockages in cooling water systems.

An Alfa Laval Filter installation removes debris of all kinds that can foul and clog plate heat exchangers, tubular condensers, cooling tower spray nozzles or any similar equipment used in secondary cooling systems, as well as a wide range of other industrial installations.

Control makes the difference

Well-designed control technologies have a significant effect on the quality and costs of many of the processes involved in operating ALF Filter installations. The next-generation 2Touch controls package from Alfa Laval is now available as one of the three standard control options for ALF Filter equipment.

Upgrades and retrofits

2Touch controls packages can also be retrofitted into ALF installations to boost the efficiency of existing equipment.

Special software is used to pre-connect and pre-configure all the instruments, and the set-up is factory-tested prior to dispatch.

The 2Touch controls package provides important efficiency and cost-saving benefits.

- Cuts down on installation costs, commissioning time and running-in costs.
- Improved operating reliability.
- Compatibility with multiple industry standard communication protocols means a wide spectrum of possible installation configurations.
- Integrates seamlessly with other plant and equipment control systems.
- Consistent, easy-to-use interface saves on manpower and training costs.
- Easy to troubleshoot and service.

Smooth integration

2Touch control packages communicate seamlessly with virtually any SCADA and other industry-standard control systems used by other manufacturers and process equipment suppliers. The software backbone also makes it relatively easy to customize to particular specifications, if needed.

Linking up

The 2Touch control system provides unique opportunities for process optimization and diagnostics. Since the screen also functions as a service panel, it is easy to undertake settings, adjustments, updates and diagnostics. Diagnostic panels or computers are not needed, even for advanced adjustments.

This saves time and money, as well as keeping processing downtime to the bare minimum.

A modem module can be installed for remote monitoring via equipment such as mobile phones. This enables the relevant staff to react to any problems that may arise.

From hardware to software

All the key instruments and sensors can be pre-wired, pre-connected and pre-configured via software, and are installed and tested prior to shipment. This ensures a high degree of standardization and reliability.

Specifications

	ALF Basic Control	ALF SmartPanel	ALF 2Touch
Panel size (mm)	600x400x200	400x400x200	600x500x200
Protection class	IP 65 (NEMA 4)	IP 65 (NEMA 4)	IP 65 (NEMA 4)
PLC model	B&R X20	Not applicable	B&R X20 CP1484
Display	4-line display	7-inch colour touch screen	15-inch colour touch screen
Event logging	yes	yes	yes
Display of operational data	yes	yes	yes
Diagram showing operational data and trend curves	no	yes	yes
Communication to SCADA	yes, complete 2-way (modbus)	yes, complete 2-way (modbus)	yes, complete 2-way (modbus)
Typical use	1-4 filters	1-4 filters	multiple filters

Control systems available for use with Alfa Laval Filter (ALF) installations

ALF Basic Control

Basic, affordable control package that ensures optimum operation and alarm handling.



ALF SmartPanel

Add-on for the basic control package to provide display of operating data and trend curves on a 7-inch touch screen.



ALF 2Touch

For use with large installations, providing a complete overview of operating data, displaying trend curves, showing maintenance instructions, etc.



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How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com.