

HYDROSMOOTH

BY Aline

HydroSmooth VSD Systems

The HydroSmooth Variable Speed Control system is a ground-breaking new development in the area of variable speed drives for diesel engine driven pumps. Its unique mechanism allows it to dynamically vary the speed of a diesel engine in real time in order to maintain a pre-set output pressure.

Excellent suited for applications with 'spikes' or large variations in incoming mains pressure, the HydroSmooth family of control units are a cost-effective and reliable solution. Its all-hydraulic/mechanical design means that it is not prone to electronic failure like other VSD systems on the market, and is easy to set up and adjust if necessary.

Features

- Small size means it is easily retrofitted
- Cost-effective vs traditional electronic VSD systems
- Sturdy design
- Fully compliant with relevant standards
- Compatible with an extremely wide range of diesel engines
- Suitable for both low and high pressure applications



HydroSmooth Variants

Standard Module

The Standard module is the simplest of the 3 variants and is the most straightforward to install and set up. It provides instant cut in of the diesel engine when the pressure drops.

Soft Start Module

The Soft Start module builds on the principles of the Standard module, however it includes an additional mechanism in order to slow the initial start of the diesel engine.

Soft Start, Soft Stop Module

The Soft Start, Soft Stop module is the most advanced variant and again builds on the mechanism of the standard module, with additional components allowing it to both slowly ramp up to speed and also slowly ramp down - a requirement in some areas.

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