

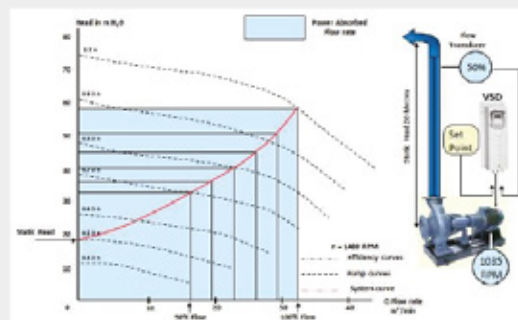


VARIABLE SPEED DRIVES IN PROCESS OPTIMIZATION

AREA OF EXPERTISE

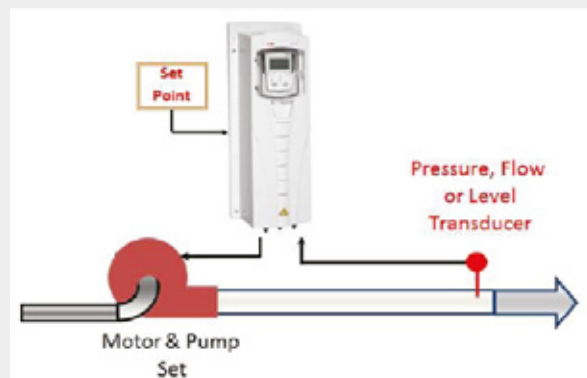
The JOAT team is an ABB Drives aligned partner and ABB Authorized value provider. We have the experience and skills to use ABB VSD's along with analytical instrumentation in the process of plant optimisation and maximising efficiency by the following:

- Improving machinery output performance and control
- Measuring the plants process performance and requirements accurately
- The implementation of ABB Variable Speed drives to ensure ultimate motor performance and intelligent protection
- Achieving energy and plant equipment cost reduction, and a reduced capital expenditure pay back period due to these financial savings.



The ABB variable speed drive has many performance design elements that ensure maximum efficiency and ease of plant integration, the below are a few key points:

- Alphanumeric display for simplified menu navigation
- Pre-defined macros and a Setup Assistant to help configuration.
- Powerful PID internal logic – allow the input of a process variable directly to the VSD – often no external PLC required.
- Analogue Inputs to accurately reflect Process Conditions
- Digital inputs fully configurable from start enable to Safety and fire inputs
- Analog outputs – fully configurable to represent a variety of values or feedback values.
- Relay outputs fully configurable for over 50 different modes
- 1st Environment RFI filter as standard on the ACS550 series
- Swinging Choke reduces Harmonics by further 25%
- Real time clocks for intelligent plant operation
- Coated Cards as standard for harsh environments
- IP21 and IP55 Variants



For more information, contact:

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