

Verderflex

Vantage 5000 Modbus® digital control



VERDERFLEX®

Description

Modbus® RTU is a globally used, open data communications protocol that allows a single master controller, such as a PLC, to easily interface with multiple, uniquely addressed Verderflex Vantage 5000 pumps in a digitally controlled, high resolution dosing or metering system.

Your benefits

- ↪ Vantage 5000 pumps can be networked over an industry standard, license free data network
- ↪ MODBUS® RTU simplifies the integration of the Vantage 5000 into PLC controlled data highways
- ↪ MODBUS® RTU allows many Vantage 5000 pumps to be uniquely identified and controlled by a single master controller PLC or computer
- ↪ MODBUS® RTU gives real-time parameter feedback and alarms from a network of Vantage 5000 pumps to a single master controller

Technical specifications

Protocol	MODBUS RTU
Node ID	0 - 255 available : Recommended 1-247 are used in accordance with MODBUS standards
Baud Rate	User selectable : 1200 - 921600
Parity	User selectable : None, Even or Odd
Configuration	Slave device
Failsafe Mode Time out	10 Seconds
Failsafe Word	Pump Speed, Speed Source
Input Registers	Pump Model Tube Size Pump Speed Pump Run Time Job Run Time Tacho Counter Flow Rate Job Mode Flow Units Calibration Date Job Counter
Holding Register	Speed Set Point Minimum Speed Maximum Speed Failsafe Word & Speed
Control Registers	Motor Run Direction Tacho Reset Fieldbus Enable Fieldbus Calibration Factor




Verderflex

Vantage 5000 Modbus® digital control



VERDERFLEX®

Technical specifications

Status Registers	Motor running Global Error Fieldbus Enable Door Open Over Temperature Motor Stalled Tube Burst Set Point Out of Range Fluid Level Alert
Input / Output Registers	Input - Manual/ Auto Input - Stop Input - Start Input - Product Destination Full Input - Product Source Empty Input - Bund Detect 4 User Configurable Outputs : Direction, Stop/Start, Tube Burst General Alarm
MODBUS® Interface	Galvanic Isolated Semiconductor
Maximum Differential Voltage	12V DC
Connection	Amphenol M series A Type 5 WAY Connector positioned on the back of the pump  PIN 1: NC PIN 2: A PIN 3: NC PIN 4: B PIN 5: NC

Modbus® is a registered trademark of Schneider Electric, licensed to the Modbus Organization, Inc.

Find your local supplier at www.verderflex.com

For construction installation and floor mounting drawings please contact your local authorised Verderflex® distributor.

VERDER
passion for pumps

