Grundfos GENIbus

Niagara Framework Driver

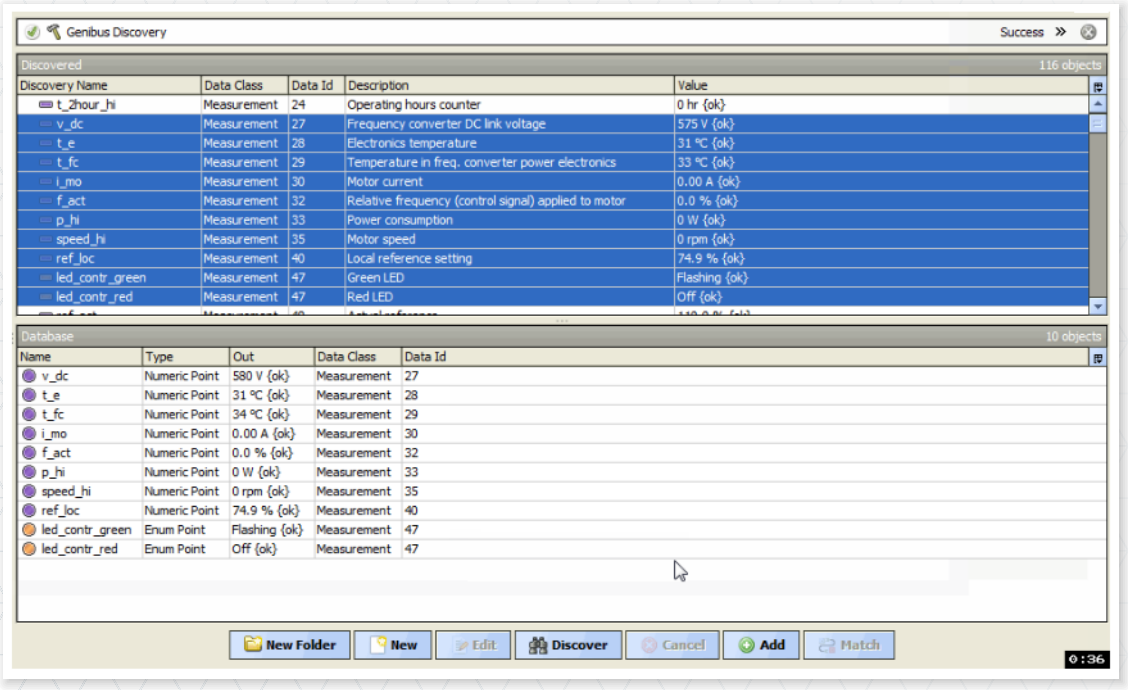
The GENIbus driver integrates Grundfos pumps directly with Tridium Niagara using the native GENIbus protocol over RS-485, eliminating the need for external gateways and reducing integration cost by up to 75% compared to traditional gateway methods.

The driver provides access to over 100 parameters per pump, including flow, pressure, power consumption, and efficiency metrics. Operators can adjust setpoints, change operating modes, and start or stop pumps directly from the Niagara interface.

Real-time I/O channel access and alarm notifications give complete visibility into pump performance and health. Up to 32 pumps can be monitored on a single RS-485 network.

The driver connects via standard RS-485 at 9600 baud, communicating directly with the pump's built-in GENIbus interface without any additional hardware.

- ✓ Native GENIbus protocol communication
- ✓ Up to 32 pumps per RS-485 network
- ✓ Multiple RS-485 ports per JACE for independent networks
- ✓ Over 100 parameters per pump
- ✓ Flow, pressure, power, and efficiency monitoring
- ✓ Setpoint adjustment, mode selection, start/stop
- ✓ Real-time I/O channel access
- ✓ Alarm and warning notifications
- ✓ Eliminates need for external gateways
- ✓ 75% cost reduction vs. gateway methods
- ✓ No annual fees
- ✓ Free technical support and upgrades



GENIbus Point Discovery in Niagara Workbench

SUPPORTED DEVICES

MAGNA 1	TPE	Multi-E	MP 204
MAGNA 3	TPED	Multi-B	
UPE	MGE	DDA	
UPS	CUE	CU 351	

SYSTEM REQUIREMENTS

- ✓ Niagara framework 4.8 or later, including OEM versions
- ✓ JACE with RS-485 port
- ✓ Grundfos GENIbus driver license

CONNECTIVITY

RS-485

Connect Niagara directly to Grundfos pumps via RS-485 at 9600 baud using the native GENIbus protocol. Supports up to 32 pumps per RS-485 network. No gateways, converters, or BACnet interfaces required.

ORDERING INFORMATION

Part Number	Description
GNB-J-10	GENIbus for JACE, 10 devices
GNB-J-20	GENIbus for JACE, 20 devices
GNB-J-UNL	GENIbus for JACE, unlimited devices
GNB-SUP	GENIbus for Supervisor, first 10 devices
GNB-SUP-10	GENIbus for Supervisor, extra 10 devices