

## BACnet Protocol Implementation Conformance Statement

**Vendor Name:** Xylem Inc.(Bell & Gossett, Goulds Water Technology)  
**Product Name:** TechnoForce Pump Controller,  
AquaForce Pump Controller  
**Product Model Number:** e-MT  
**Applications Software Version:** 1.6 or above  
**Firmware Revision:** FW4.5  
**BACnet Protocol Revision:** 12

### Product Description

The TechnoForce/AquaForce Pump Controller is a variable speed pumping system for water pressure booster systems. It operates either as a stand-alone controller or as part of a building-wide integrated system. The BACnet communication interface will provide communication between the TechnoForce/AquaForce pump controller and the BACnet system residing on RS-485 or IP media.

### BACnet Standardized Device Profile (Annex L)

- BACnet Operator Workstation (B-OWS)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

### List all BACnet Interoperability Building Blocks Supported (Annex K)

DS-RP-B	DM-TS-B	DM-DCC-B
DS-WP-B	DM-DDB-B	DM-DOB-B

### Segmentation Capability

- |  |             |     |
|--|-------------|-----|
| <input type="checkbox"/> Able to transmit segmented messages | Window Size | N/A |
| <input type="checkbox"/> Able to receive segmented messages  | Window Size | N/A |

## Standard Object Types Supported

### Analog input

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value (Conditionally writable) Out of Service
Proprietary properties:	None
Property range restrictions:	None

### Analog output

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value
Proprietary properties:	None
Property range restrictions:	None

### Binary input

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value (Conditionally writable) Out of Service
Proprietary properties:	None
Property range restrictions:	None

### Binary output

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	None
Writable properties:	Present Value
Proprietary properties:	None
Property range restrictions:	None

### Device

Dynamically creatable:	No
Dynamically deletable:	No
Optional properties supported:	Local_Date Local_Time Max_Master Max_Info_Frames

Writable properties: None  
Proprietary properties: None  
Property range restrictions: None

### Data Link Layer Options

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s) \_\_\_\_\_
- MS/TP master (Clause 9), baud rate(s): 9600, 19200, 38400, 57600, 115200
- MS/TP slave (Clause 9), baud rate(s): 9600, 19200, 38400
- Point-To-Point, EIA 232 (Clause 10), baud rate(s):
- Point-To-Point, modem, (Clause 10), baud rate(s):
- LonTalk, (Clause 11), medium: \_\_\_\_\_
- Other:

### Device Address Binding

Is static device binding supported? (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)  Yes  No

### Networking Options

- Router, Clause 6 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
  - Annex H, BACnet Tunneling Router over IP
  - BACnet/IP Broadcast Management Device (BBMD)
- Does the BBMD support registrations by Foreign Devices?  Yes  No

### Character Sets Supported

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ANSI X3.4  IBM'/Microsoft' DBCS  ISO 8859-1
- ISO 10646 (UCS-2)  ISO 10646 (UCS-4)  JIS C 6226
- ISO 10646 (UTF-8)

If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports: **N/A**

