

LOW TEMPTO
-40°



VOLTA BZ-Series

A Product of:



ELECTRO-HYDRAULIC CONTROL SYSTEM FOR QUARTER-TURN, LINEAR, ON/OFF AND MODULATING VALVES

- ✓ The Volta-BZ is designed to work with new or existing hydraulic, direct gas or gas over hydraulic actuators. Can be used with Fail-Safe Spring Assisted or Double Acting. Volta-BZ comes standard in Low Temperature rated to -40F/C.
- ✓ Offers Condition Based Monitoring and Operating using New or Existing Instrumentation and Infrastructure.
- ✓ Easy 30-Minute Installation for New Installs and Retrofits of High-Pressure Actuators. Standard Unit only requires 24Vdc Power 10a supply, w/24Vdc Command/Permissive Signal. Simple, two connection install on Spring-Assisted Models. Limit Switch and Single Hydraulic Connection.
- ✓ Eliminates inadvertent valve closures due to temperature swings typical of hand pumped Hydraulic ESD systems.



CONTACT US TODAY!

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PIPELINE ESD CONTROL SYSTEM



BZ-Series

Improve valve performance with a Electro-hydraulic Emergency Shutdown Control System that enables Condition-based Monitoring and Maintenance.

Volta-BZ Benefits

- Self-Monitoring and Regulation of ESD actuator Pressure
- UL and CSA Listed Type 3R, 4, 12 / NEMA 3R, 4, 12 and 13
- Standard Low Voltage Power Requirement -24Vdc @ 10a
- Standard 12 or 24Vdc Permissive Command
- Replaces “traditional” Hand Pump operated ESD controllers
- 30-Minute install
- Reduced Site Visits
- Increased Safety

Options:
E-Stop Button w/Protection Shield
Speed Controls (Open/Closed)
Cold Weather Tarp
Double Acting (Fail Last)
Large Displacement Reservoir (up to 7 gal.)
120VAC, 220VAC, 480VAC Power Supply
Modulating
EXIA Barrier (up to 2)
Pipeline/Wellhead PT Intergration
Quick Exhaust
External Visual Indicator Lights

Standard Features
On/Off Power Switch
Manual Handpump Override
Internal Heater
Low Temperature Operation -40F/C
24VDC Power (See Options)
24VDC Command (See Options)
Open/Closed Fail Safe (See Options)
Modbus TCP/IP (8DI, 4RO, 2 AI)
Remote Mounted Skid w/Fork Pockets
Dual Cabinet UL Enclosure 24x24x12 / 12x24/10
Optima Yellow Top D34/78 Battery (55Ah)
SIEMENS LOGO PLC w/TDE HMI Interface

Specifications
Base: 24 x 12" (61x30.5 cm)
Height: 24" (61 cm)
Weight: 98lbs. (44.5 kg)
Hydraulic Outlet Pressure: 300-2,000 PSI (1 to 138 Bar)
Hydraulic Oil Volumn: 1.4 Gal (3.8 L) up to 7 Gal.
Operating Temperature: -40F to 185F (-40C to 85C)
Power Required: 24 Vdc -10a

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Standard Battery Backup

