



# Throttling butterfly valve, EtherCAT controller

HV throttling butterfly valve, DN 160 ISO-F, QPM controller, 24 VDC, SS

Part number: TBVQPMNN-L103



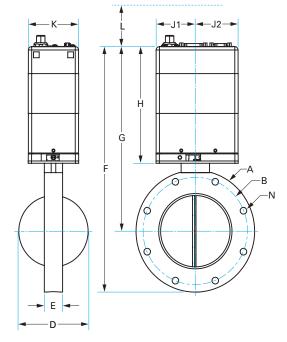


### Throttling butterfly valve, EtherCAT controller HV throttling butterfly valve, DN 160 ISO-F, QPM controller, 24 VDC, SS

- Adaptive algorithm for improved stability and faster transitions
- Space saving, low cost design
- High reliability, low particle generation
- Can be operated in any orientation
- Body can be heated up to 200°C with optional heaters
- CE marked/fully REACH and RoHS compliant



Similar Image



#### **TBVQPMNN-L103**

| Parameters                     | Specifications                                |
|--------------------------------|---|
| Valve / Flange Size            | DN 160 ISO-F                                  |
| Communications Interface       | EtherCAT                                      |
| Additional Controller Features | none  |
| Flange Size / Type             | DN 160 ISO-F                                  |
| Controller Communications      | EtherCAT system interface; RS232 service port |
| Supply Voltage                 | 24 V DC (±5 %)                                |
| Power Connector                | XLR, 5-pin, Female                            |
| Gauge Power Supply             | not included                                  |
| Pressure Range                 | 1 · 10 <sup>-8</sup> mbar to 1.1 bar          |
| Max Differental at Opening     | 1100 mbar                                     |
| Max Temp (body)                | 150 °C  |

| Dimensions<br>(in inches) |        |
|---------------------------|--------|
| Dim A                     | 8.90"  |
| Dim B                     | 7.87"  |
| Dim C                     | 0.433" |
| Dim D                     | 5.87"  |
| Dim E                     | 1.62"  |
| Dim F                     | 15.4"  |
| Dim G                     | 11.0"  |
| Dim H                     | 6.22"  |
| Dim J-1                   | 2.17"  |
| Dim J-2                   | 2.36"  |
| Dim K                     | 2.76"  |
| Dim L                     | 2.36"  |
| Bolt<br>Hole Dia.         | 0.438" |
| # Bolt<br>Holes           | 8      |

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#### **TBVQPMNN-L103**

| Parameters (Continued)     | Specifications (Continued)      |
|----------------------------|---------------------------------|
| Temp. Limits (actuator)    | 5 °C (minimum), 45 °C (maximum) |
| Open / Close Time          | 250 ms/250 ms                   |
| Open Conductance           | 3800 l/s                        |
| Min. Control Conductance   | 1.7 l/s                         |
| Material (valve body)      | 316L Stainless Steel            |
| Material (valve mechanism) | 316L Stainless Steel            |
| Plate Seal                 | none                            |
| Shaft Seal                 | FKM                             |
| Leak Rate (body)           | 1 · 10 <sup>-9</sup> mbar l/s   |
| Service Life               | 5 million cycles                |
| Weight                     | 21.78 lbs                       |

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