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# Throttling butterfly valve, Analog/TTL controller

HV throttling butterfly valve, DN 80 ISO, QPA controller, 24 VDC, SS

Part number: TBVQPANN-L073

Nor-Cal Products

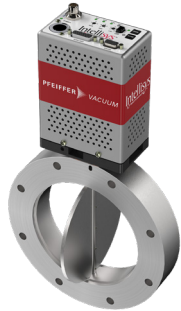


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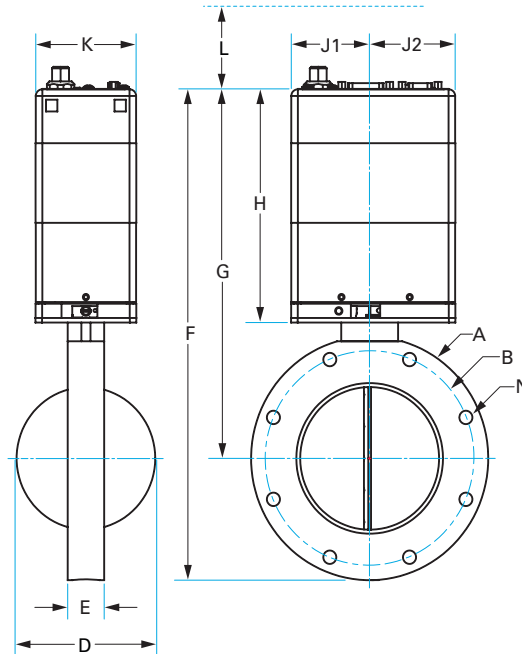
## Throttling butterfly valve, Analog/TTL controller

### HV throttling butterfly valve, DN 80 ISO, QPA 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



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| Dimensions<br>(in inches) |        |
|---------------------------|--------|
| Dim A                     | 5.71"  |
| Dim B                     | 4.92"  |
| Dim C                     | 0.354" |
| Dim D                     | 2.93"  |
| Dim E                     | 1.00"  |
| Dim F                     | 12.3"  |
| Dim G                     | 9.41"  |
| Dim H                     | 6.22"  |
| Dim J-1                   | 2.17"  |
| Dim J-2                   | 2.36"  |
| Dim K                     | 2.76"  |
| Dim L                     | 2.36"  |
| Bolt Hole Dia.            | 0.359" |
| # Bolt Holes              | 8      |

#### TBVQPANN-L073

| Parameters                     | Specifications                                  |
|--------------------------------|---|
| Valve / Flange Size            | DN 80 ISO-F                                     |
| Communications Interface       | Analog  |
| Additional Controller Features | none  |
| Flange Size / Type             | DN 80 ISO-F                                     |
| Controller Communications      | Analog/TTL system interface; RS232 service port |
| Supply Voltage                 | 24 V DC ( $\pm 5\%$ )                           |
| Power Connector                | XLR, 5-pin, Female                              |
| Gauge Power Supply             | not included                                    |
| Pressure Range                 | $1 \cdot 10^{-8}$ mbar to 1.1 bar               |
| Max Differential at Opening    | 1100 mbar                                       |
| Max Temp (body)                | 150 °C  |

## Throttling butterfly valve, Analog/TTL controller

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### TBVQPANN-L073

| Parameters <i>(Continued)</i> | Specifications <i>(Continued)</i> |
|-------------------------------|-----------------------------------|
| Temp. Limits (actuator)       | 5 °C (minimum), 45 °C (maximum)   |
| Open / Close Time             | 125 ms/125 ms                     |
| Open Conductance              | 900 l/s                           |
| Min. Control Conductance      | 0.6 l/s                           |
| Material (valve body)         | 316L Stainless Steel              |
| Material (valve mechanism)    | 316L Stainless Steel              |
| Plate Seal                    | none                              |
| Shaft Seal                    | FKM                               |
| Leak Rate (body)              | $1 \cdot 10^{-9}$ mbar l/s        |
| Service Life                  | 5 million cycles                  |
| Weight                        | 8.8 lbs                           |

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RoHS2/REACH compliant  
Conflict mineral regulations enforced

All data subject to change without prior notice.

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