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# HV throttling pendulum valve, Analog/TTL controller DN 350 JIS, Analog controller, hard anodized finish, 24 V DC (±5 %)

Part number: TPVQPABN-F149



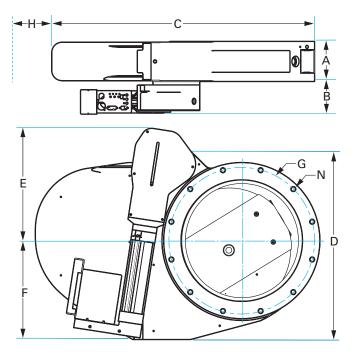


#### HV throttling pendulum valve, Analog/TTL controller DN 350 JIS, Analog controller, hard anodized finish, 24 V DC (±5 %)

- 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 120°C with optional heater jackets
- CE marked/fully REACH and RoHS compliant



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| Dimensions<br>(in inches) |        |
|---------------------------|--------|
| Dim A                     | 4.92″  |
| Dim B                     | 4.02"  |
| Dim E                     | 12.8″  |
| Dim F                     | 11.2″  |
| Dim G                     | 16.5″  |
| Dim H                     | 12.2″  |
| Bolt<br>Hole<br>Thread    | M12    |
| Thread<br>Depth           | 0.709" |
| # Bolt<br>Holes           | 12     |

#### **TPVQPABN-F149**

| Parameters                          | Specifications                                  |
|-------------------------------------|---|
| Valve / Flange Size                 | DN 350 JIS                                      |
| Communications Interface            | Analog  |
| Finish                              | Hard Anodized                                   |
| Additional Controller Fea-<br>tures | Power Fail Option                               |
| Flange Size / Type                  | DN 350 JIS                                      |
| Controller Communications           | Analog/TTL system interface; RS232 service port |
| Supply Voltage                      | 24 V DC (±5 %)                                  |
| Power Connector                     | XLR, 5-pin, Female                              |
| Gauge Power Supply                  | not included                                    |
| Power Fail Option                   | included  |
| Pressure Range                      | 3.8 · 10 <sup>-8</sup> mbar to 1.1 bar          |



#### HV throttling pendulum valve, Analog/TTL controller DN 350 JIS, Analog controller, hard anodized finish, 24 V DC (±5 %)

#### **TPVQPABN-F149**

| Parameters (Continued)     | Specifications (Continued)                         |
|----------------------------|--|
| Max Differental at Opening | 39 mbar  |
| Max Temp (body)            | 150 °C   |
| Temp. Limits (actuator)    | 5 °C (minimum), 45 °C (maximum)                    |
| Open / Close Time          | 6.5 s/5.5 s  |
| Open Conductance           | 43000 l/s  |
| Min. Control Conductance   | 0.1 l/s  |
| Material (valve body)      | A356 Aluminum, Hard anodized                       |
| Material (valve mechanism) | 304 Stainless & 6061-T6 Aluminum,<br>Hard anodized |
| Gate Seal                  | FKM  |
| Bonnet Seal                | FKM  |
| Leak Rate (body)           | 1 · 10 <sup>-9</sup> mbar l/s                      |
| Leak Rate (gate)           | 1 · 10 <sup>-6</sup> mbar l/s                      |
| Service Life               | 1 million cycles                                   |
| Weight                     | 143.22 lbs   |

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