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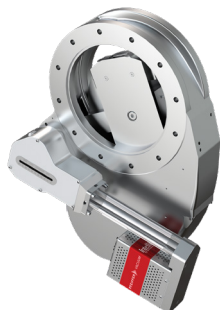
HV throttling pendulum valve, RS-232 controller

DN 150 JIS, RS232 controller, bright dipped finish, 24 V DC ($\pm 5\%$)

Part number: TPVQPBG-A109

HV throttling pendulum valve, RS-232 controller DN 150 JIS, RS232 controller, bright dipped finish, 24 V DC ($\pm 5\%$)

- 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 (in inches)

| | |
|------------------|--------|
| Dim A | 3.46" |
| Dim B | 3.31" |
| Dim C | 20.5" |
| Dim D | 13.5" |
| Dim E | 7.64" |
| Dim F | 11.1" |
| Dim G | 7.87" |
| Dim H | 5.31" |
| Bolt Hole Thread | M10 |
| Thread Depth | 0.394" |
| # Bolt Holes | 8 |

TPVQPBG-A109

| Parameters | Specifications |
|--------------------------------|--|
| Valve / Flange Size | DN 150 JIS |
| Communications Interface | RS232 |
| Finish | Bright Dipped |
| Additional Controller Features | Gauge Supply & Power Fail Option |
| Flange Size / Type | DN 150 JIS |
| Controller Communications | RS232 system interface; RS232 service port |
| Supply Voltage | 24 V DC ($\pm 5\%$) |
| Power Connector | XLR, 5-pin, Female |
| Gauge Power Supply | ± 15 V DC ($\pm 5\%$), 1.4 A max. |
| Power Fail Option | included |
| Pressure Range | $3.8 \cdot 10^{-8}$ mbar to 1.1 bar |

HV throttling pendulum valve, RS-232 controller
DN 150 JIS, RS232 controller, bright dipped finish, 24 V DC (±5 %)

TPVQPBG-A109

| Parameters <i>(Continued)</i> | Specifications <i>(Continued)</i> |
|-------------------------------|-----------------------------------|
| Max Differential at Opening | 27 mbar |
| Max Temp (body) | 150 °C |
| Temp. Limits (actuator) | 5 °C (minimum), 45 °C (maximum) |
| Open / Close Time | 3.3 s/2.8 s |
| Open Conductance | 5000 l/s |
| Min. Control Conductance | 0.1 l/s |
| Material (valve body) | 6061-T6 Aluminum |
| Material (valve mechanism) | 304 Stainless & 6061-T6 Aluminum |
| Gate Seal | FKM |
| Bonnet Seal | FKM |
| Leak Rate (body) | 1 · 10 ⁻⁹ mbar l/s |
| Leak Rate (gate) | 1 · 10 ⁻⁹ mbar l/s |
| Service Life | 1 million cycles |
| Weight | 40.26 lbs |

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