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HV throttling pendulum valve, RS-232 controller

DN 300 JIS, RS232 controller, hard anodized finish, 24 V DC ($\pm 5\%$)

Part number: TPVQPN-F139

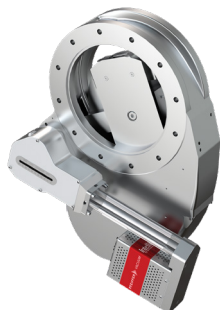
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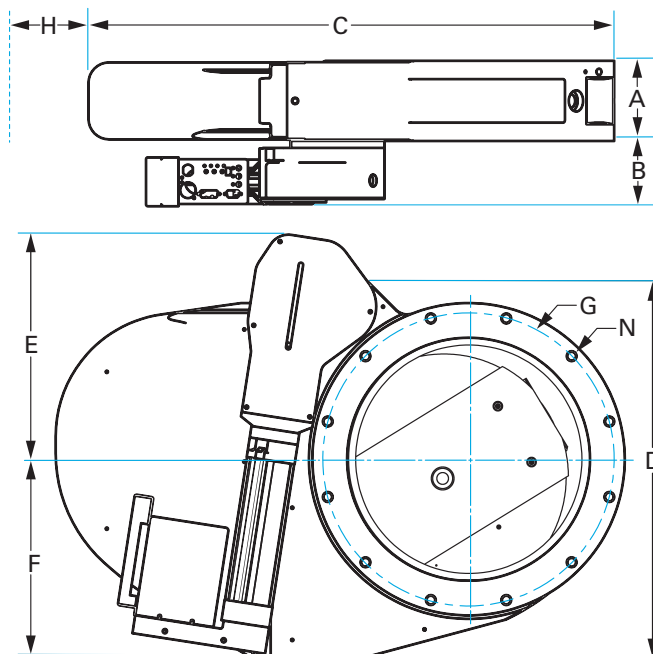
by PFEIFFER VACUUM

HV throttling pendulum valve, RS-232 controller DN 300 JIS, RS232 controller, hard anodized 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 | 4.72" |
| Dim B | 4.02" |
| Dim D | 22.8" |
| Dim E | 12.0" |
| Dim F | 11.7" |
| Dim G | 14.6" |
| Dim H | 10.6" |
| Bolt Hole Thread | M12 |
| Thread Depth | 0.709" |
| # Bolt Holes | 12 |

TPVQPBN-F139

| Parameters | Specifications |
|--------------------------------|--|
| Valve / Flange Size | DN 300 JIS |
| Communications Interface | RS232 |
| Finish | Hard Anodized |
| Additional Controller Features | Power Fail Option |
| Flange Size / Type | DN 300 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 | not included |
| Power Fail Option | included |
| Pressure Range | $3.8 \cdot 10^{-8}$ mbar to 1.1 bar |

HV throttling pendulum valve, RS-232 controller
DN 300 JIS, RS232 controller, hard anodized finish, 24 V DC (±5 %)

TPVQPN-F139

| Parameters <i>(Continued)</i> | Specifications <i>(Continued)</i> |
|-------------------------------|--|
| Max Differential at Opening | 39 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 | 30000 l/s |
| Min. Control Conductance | 0.1 l/s |
| Material (valve body) | A356 Aluminum, Hard anodized |
| Material (valve mechanism) | 304 Stainless & 6061-T6 Aluminum, Hard anodized |
| Gate Seal | FKM |
| Bonnet Seal | FKM |
| Leak Rate (body) | $1 \cdot 10^{-9}$ mbar l/s |
| Leak Rate (gate) | $1 \cdot 10^{-6}$ mbar l/s |
| Service Life | 1 million cycles |
| Weight | 123.2 lbs |

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RoHS2/REACH compliant
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All data subject to change without prior notice.

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