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# HV throttling pendulum valve, DeviceNet™ controller

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

**Part number:** TPVQPDBG-A109

**Nor-Cal Products**



**by PFEIFFER VACUUM**

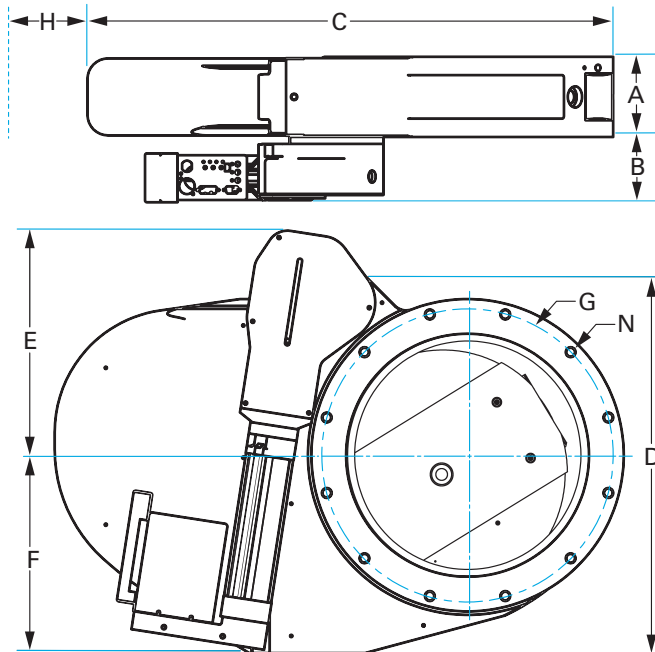
## HV throttling pendulum valve, DeviceNet™ controller

### DN 150 JIS, DeviceNet™ controller, bright dipped 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 (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

#### TPVQPDBG-A109

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

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**DN 150 JIS, DeviceNet™ controller, bright dipped finish, 24 V DC (±5 %)**

**TPVQPDBG-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 <sup>-9</sup> mbar l/s
Leak Rate (gate)	1 · 10 <sup>-9</sup> mbar l/s
Service Life	1 million cycles
Weight	40.26 lbs

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### Nor-Cal Products

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RoHS2/REACH compliant  
Conflict mineral regulations enforced

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