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# **HV throttling pendulum valve, DeviceNet™ controller**

**DN 350 JIS, DeviceNet™ controller, hard anodized finish,  
24 V DC ( $\pm 5\%$ )**

**Part number: TPVQPDBG-F149**

**Nor-Cal Products**



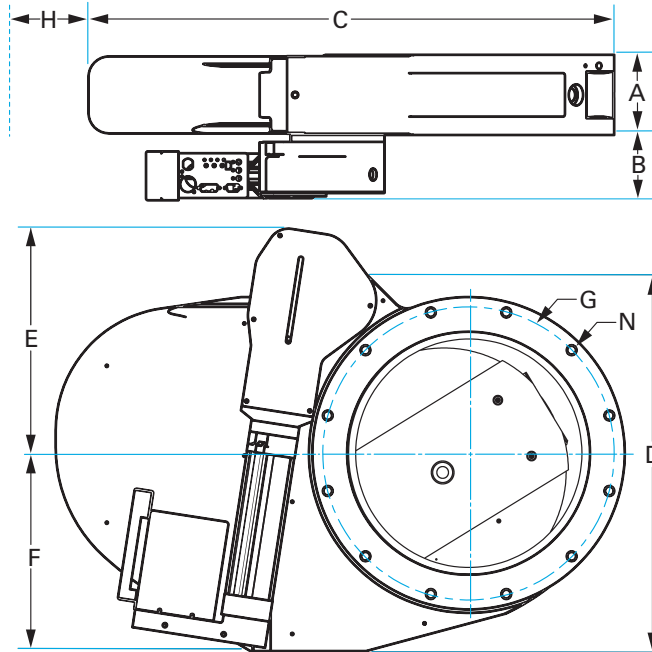
**by PFEIFFER VACUUM**

## HV throttling pendulum valve, DeviceNet™ controller DN 350 JIS, DeviceNet™ 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 (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 Hole Thread	M12
Thread Depth	0.709"
# Bolt Holes	12

### TPVQPDBG-F149

Parameters	Specifications
Valve / Flange Size	DN 350 JIS
Communications Interface	DeviceNet™
Finish	Hard Anodized
Additional Controller Features	Gauge Supply & Power Fail Option
Flange Size / Type	DN 350 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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**TPVQPDBG-F149**

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	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, 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	143.44 lbs

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RoHS2/REACH compliant  
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