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HV throttling pendulum valve, RS-232 controller

DN 350 JIS, RS232 controller, bright dipped finish, 24 V DC ($\pm 5\%$)

Part number: TPVQPBG-C149

Nor-Cal Products



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HV throttling pendulum valve, RS-232 controller DN 350 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	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

TPVQPBG-C149

Parameters	Specifications
Valve / Flange Size	DN 350 JIS
Communications Interface	RS232
Finish	Bright Dipped
Additional Controller Features	Gauge Supply & Power Fail Option
Flange Size / Type	DN 350 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
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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
Material (valve mechanism)	304 Stainless & 6061-T6 Aluminum
Gate Seal	FKM
Bonnet Seal	FKM
Leak Rate (body)	$1 \cdot 10^{-9}$ mbar l/s
Leak Rate (gate)	$1 \cdot 10^{-9}$ mbar l/s
Service Life	1 million cycles
Weight	143.44 lbs

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RoHS2/REACH compliant
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