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HV throttling pendulum valve, Analog/TTL controller

DN 250 ISO-F, Analog controller, bright dipped finish, 24 V DC ($\pm 5\%$)

Part number: TPVQPABN-C123

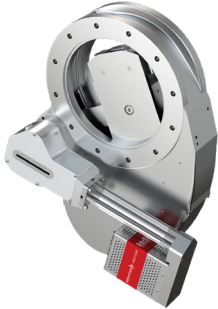
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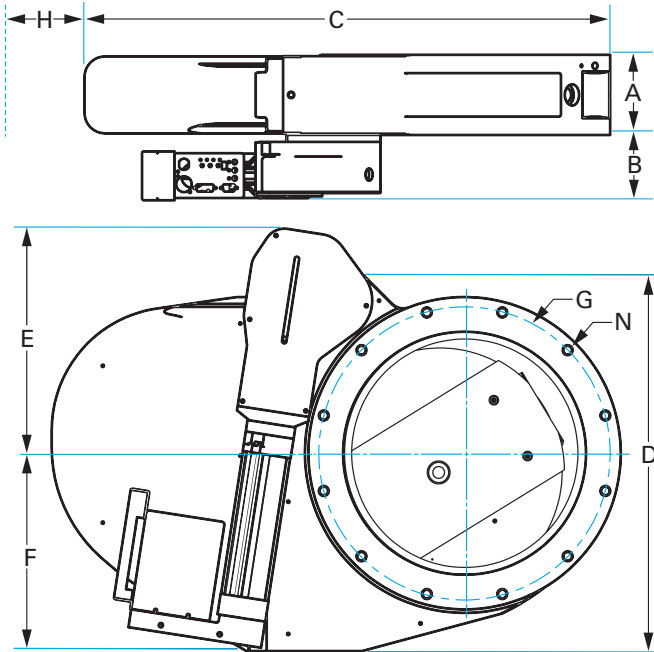
by PFEIFFER VACUUM

HV throttling pendulum valve, Analog/TTL controller **DN 250 ISO-F, Analog 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	3.94"
Dim B	3.54"
Dim C	23.9"
Dim D	18.0"
Dim E	9.88"
Dim F	10.4"
Dim G	12.2"
Dim H	8.46"
Bolt Hole Thread	M10
Thread Depth	0.394"
# Bolt Holes	12

TPVQPABN-C123

Parameters	Specifications
Valve / Flange Size	DN 250 ISO-F
Communications Interface	Analog
Finish	Bright Dipped
Additional Controller Features	Power Fail Option
Flange Size / Type	DN 250 ISO-F
Controller Communications	Analog/TTL 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, Analog/TTL controller
DN 250 ISO-F, Analog controller, bright dipped finish, 24 V DC ($\pm 5\%$)

TPVQPABN-C123

Parameters <i>(Continued)</i>	Specifications <i>(Continued)</i>
Max Differential at Opening	32 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	22000 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	62.26 lbs

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Headquarters: USA

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nccsales@n-c.com

www.n-c.com



RoHS2/REACH compliant
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