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# Throttling butterfly valve, DeviceNet™ controller

HV throttling butterfly valve, DN 50 KF, QPDG controller, 24 VDC, SS

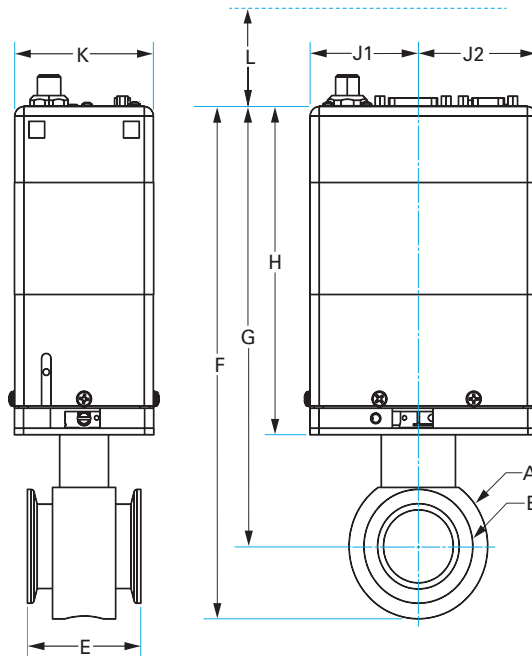
Part number: TBVQPDNG-L051

## Throttling butterfly valve, DeviceNet™ controller HV throttling butterfly valve, DN 50 KF, QPDG controller, 24 VDC, SS

- 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 200°C with optional heaters
- CE marked/fully REACH and RoHS compliant



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Dimensions (in inches)	
Dim A	3.35"
Dim B	2.95"
Dim E	2.00"
Dim F	10.4"
Dim G	8.66"
Dim H	6.22"
Dim J-1	2.17"
Dim J-2	2.36"
Dim K	2.76"
Dim L	2.36"

### TBVQPDNG-L051

Parameters	Specifications
Valve / Flange Size	DN 50 ISO-KF
Communications Interface	DeviceNet™
Additional Controller Features	Gauge Supply
Flange Size / Type	DN 50 ISO-KF
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.
Pressure Range	1 · 10 <sup>-8</sup> mbar to 1.1 bar
Max Differential at Opening	1100 mbar
Max Temp (body)	150 °C

# Throttling butterfly valve, DeviceNet™ controller

## HV throttling butterfly valve, DN 50 KF, QPDG controller, 24 VDC, SS

### TBVQPDNG-L051

Parameters <i>(Continued)</i>	Specifications <i>(Continued)</i>
Temp. Limits (actuator)	5 °C (minimum), 45 °C (maximum)
Open / Close Time	100 ms/100 ms
Open Conductance	150 l/s
Min. Control Conductance	0.3 l/s
Material (valve body)	316L Stainless Steel
Material (valve mechanism)	316L Stainless Steel
Plate Seal	none
Shaft Seal	FKM
Leak Rate (body)	$1 \cdot 10^{-9}$ mbar l/s
Service Life	5 million cycles
Weight	5.72 lbs

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