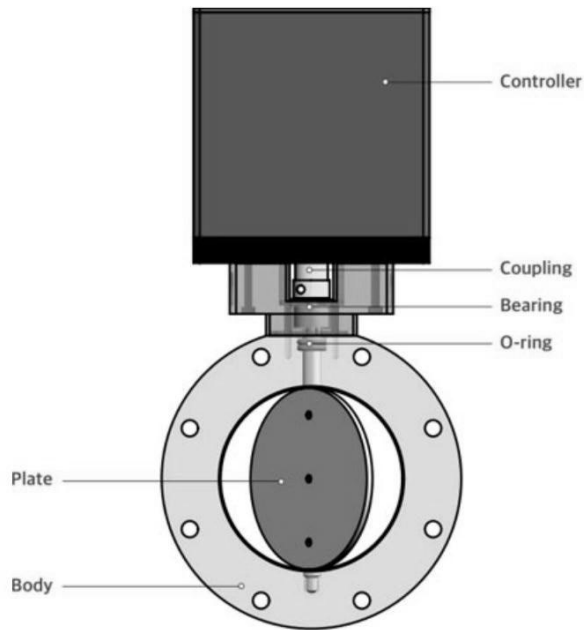


SPEC – THROTTLING BUTTERFLY VALVE, MOTORIZED



PRODUCT SPECIFICATIONS

Pressure range at 20°C	1 x 10E-8 mbar to 1.2 bar (abs)
Leak rate to outside at 20°C	1 x 10E-9 mbar l/s
Cycles until first service	2,000,000 (unheated and under clean conditions)
Admissible operating temperature	+ 10°C to + 150°C
Mounting position	Any Control unit for ISO-KF version needs support when mounted on horizontal piping and control unit does not hang.
Wetted materials - Body, plate - Shaft - Plate screws	Body, Plate - Stainless steel 304, Aluminum 6061 Shaft - Stainless steel 316L Plate screws - Stainless steel 304
-Shaft seal	Viton® (standard). Other materials available on request. Seal materials are declared on dimensional drawing of specific valve ordering number.
- Slide bearing for shaft	iglidur® X



Power input	24 VDC ($\pm 10\%$)@ 0.5V pk-pk max.[connector: POWER]
Power Consumption	80 W max. (operation of valve with max. load) without PF04)
Sensor power supply	
- Input	+ 24 VDC / 1500 mA max. [connector: POWER]
-Output	± 15 VDC ($\pm 5\%$) / 667 mA max. [connector: SENSOR]
Sensor input	
- Signal input	0-10 VDC/ $R_i > 100$ k resistance [connector: SENSOR]
- ADC resolution	0.16 mV
- Sampling time	1 ms
Digital inputs	± 24 VDC max,
Digital outputs	
- Input voltage	70 voe or 70 v peak max.
- Input current	0.5 ADC or 0.5 A peak max.
- Breaking capacity	10 W max.
Ambient temperature	0° C to +50° C max. (<35°C recommended)
Pressure control accuracy	5 mV or 0.1% of setpoint, whichever is greater
Position resolution / position control capability	20000
Actuating closing time opening	0.3 s typ
	0.3 s typ.
Utilizable valve torque	2.5 Nm

Electrical Connections

	CONNECTION	TYPE
POWER	Power input	DB-9 male
SENSOR	Sensor input	DB-15 female
	Sensor power supply	
INTERFACE	RS232. Logic. RS422. RS485	DB-25 female
	DeviceNet®	Micro-style male
	Ethernet	RJ-45
BUS MODULES	Profibus	DB-9 female
	CC-Link	5-pole terminal screw
	EtherCAT	RJ-45 x 2