

APC Butterfly Valves (Economic Type)

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Product Selection Guide

LB N 080 F S R3 B 1

Communication Interface	R3 : RS-232(Analog output)
	R4 : RS-485
Body Material	A : Aluminum L : SUS316L
	S : SUS304
Method of contract	K : ISO-KF C : CF-F
	F : ISO-F
Flange Size	025 : DN25 040 : DN40
	050 : DN50 063 : DN63
	080 : DN80 100 : DN100
	160 : DN160 200 : DN200
	250 : DN250 320 : DN320
Sealing Type	N : Non-Sealing F : F-cup Sealing
	S : Sealing

Product Specifications

Pressure range at 20°C	1 × 10E-8 mbar to 1.2 bar (abs)	
Leak rate to outside at 20°C	1 × 10E-9 mbar l/s	
Cycles until first service	1,000,000 (unheated and under clean conditions)	
Admissible operating temperature	+10 °C to +150 °C	
Wetted materials - Body, plate - Shaft - Plate screws	Body, Plate - Stainless steel 304, 316L , Aluminum 6061 Shaft - Stainless steel 304, 316L Plate screws - Stainless steel 304, 316L	
Shaft seal	Viton® (standard). Other materials available on request. Seal materials are declared on dimensional drawing of specific valve ordering number	
Power input	+24 VDC (±10%) @ 0.5V pk-pk max. [connector: POWER]	
Power Consumption	80 W max. (operation of valve with max. load)	
Sensor input - Signal input - ADC resolution - Sampling time	0-10 VDC / Ri>100 kΩ [connector: SENSOR] 2.44 mV 1 ms	
Sensor input	24 VDC max.	
Digital outputs - Input voltage - Input current	SSR Relay Dry contact 24 VDC max. 0.5 A peak max.	
Ambient temperature	0 °C to +50 °C max. (<35 °C recommended)	
Pressure control accuracy	10 mV or 0.5 % of setpoint, whichever is greater	
Position resolution / position control capability	10,000	
Actuating time	closing	1.5 s typ
	opening	1.5 s typ



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