

Butterfly valves

I ENVALVE SERIES VKII AE

20 - 63 MM

Electrically powered



Description

Envalve butterfly valves are designed to isolate or regulate flow. As they are electrically powered, they can be controlled by remote. The butterfly valves are made from PVC and have been provided with an EPDM sleeve to enable them to withstand contact with corrosive substances. The valves are also available with a Viton® gasket.

Advantages

- o Ample throughput capacity
- o Low loss in pressure
- o Bidirectional flow
- o Little installation space needed
- o Few parts
- o Emergency manual operation available

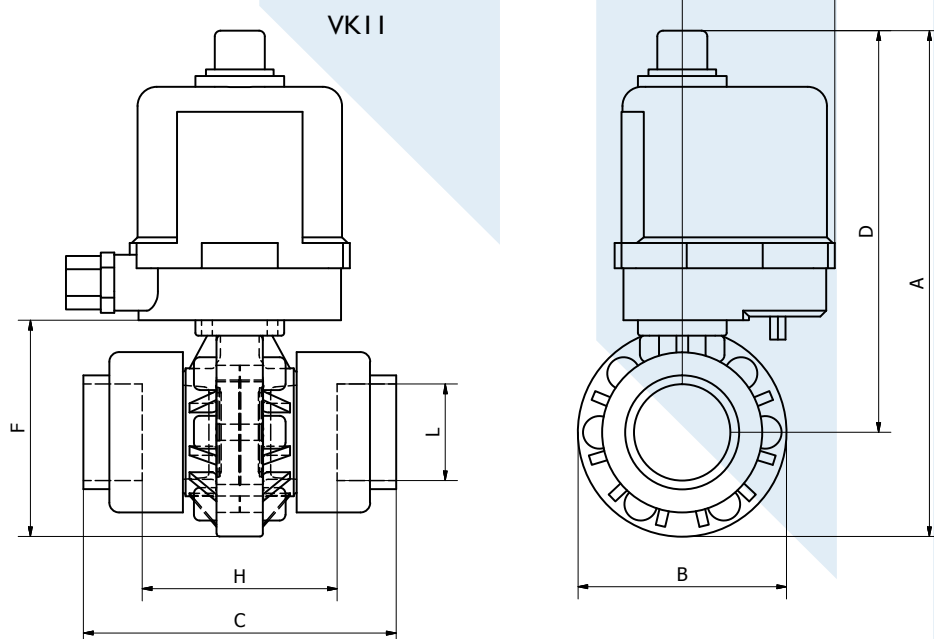
As they are electrically powered, the valves can be controlled by remote. The spindle is connected to an electric motor for convenient operation of the valve. This motor has a supply voltage of 24VAC. Motors with a supply voltage of 230 Volts are available on request. The motor can rotate bidirectionally and is

controlled by the phase of the supply voltage. Alternating the phase causes the valve to open or close, respectively. The final position of the valve is limited by two built-in limit switches. The motors are bi-stable, which means that if the valve is rotating to a specific position and the power supply is cut off, the valve will remain in this position. An indicator in the motor shows the position of the valve (large or small flow-through). The motor is equipped with an adjustment screw that enables the valve to be moved to a specific position manually. The butterfly valves are provided with union nuts and collars. The collars are equipped with O-rings. Extra limit switches and a heating element are incorporated into the drive mechanism as a standard.

Model specifications

- o VKII: 1 valve - 1 motor
- The valves have a run time of 15 seconds at a rotation angle of 90°.

DIMENSIONS VK II 20 - 63 GS



DIMENSIONS VK II -20 - 63 GS

VK II-20 - 63 GS (mm)								
VALVE TYPE (L)	DN	A	B	C	D	E	F	H
20	15	239	80	112	198	79	89	80
25	20	239	80	118	199	79	89	80
32	25	239	80	124	199	79	89	80
40	32	256	96	138	208	79	106	86
50	40	262	108	162	208	79	112	101
63	50	287	126	188	224	79	137	112

TECHNICAL SPECIFICATIONS ADJUSTMENT MOTORS

MOTOR TYPE	AE-I
VOLTAGE	24 VAC/DC (option: 230 VAC)
FREQUENCY	50/60 Hz
POWER	10 W
TORQUE	35 Nm
RUN TIME	15 sec
PROTECTION CLASS	IP68 (7m - 72 hr)
AMBIENT TEMPERATURE	0. + 50°C
OPERATING CONDITION	100% ED
ASSEMBLY POSITION	SEE USER GUIDE

HYDRAULIC AND DIMENSIONAL DATA

TYPE	GLUE (mm)	DN	K.V. VALUE m ³ /hour	WEIGHT in kg
VK II-20	20	15	10	< 3.0
VK II-25	25	20	14	< 3.0
VK II-32	32	25	15	< 3.0
VK II-40	40	32	35	< 3.0
VK II-50	50	40	56	< 3.0
VK II-63	63	50	100	< 3.0

TECHNISCHE GEGEVENS KLEP

VALVE DN 20 - 63 PLASTIC OR TWO-WAY, CAP NUTS	
HOUSING	PVC
GASKET	EPDM
MAX. PRESSURE	10 BAR AT 20°C
MAX. AMBIENT TEMPERATURE	60°C