Butterfly valves

ENVALVE SERIES VK11 - VK21 CENTRA 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 gasket to enable them to withstand contact with corrosive substances. The valves are also available with a Viton® gasket.

Advantages

- Ample throughput capacity
- Low loss in pressure
- Bidirectional flow
- Little installation space needed
- Few parts
- 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 unlock button that can disconnect the motor and move the valve manually into whatever position required. The butterfly valves are provided with union nuts and collars. The collars are equipped with O-rings. Option: extra limit switches and/or a potentiometer for indicating the position of the valve.

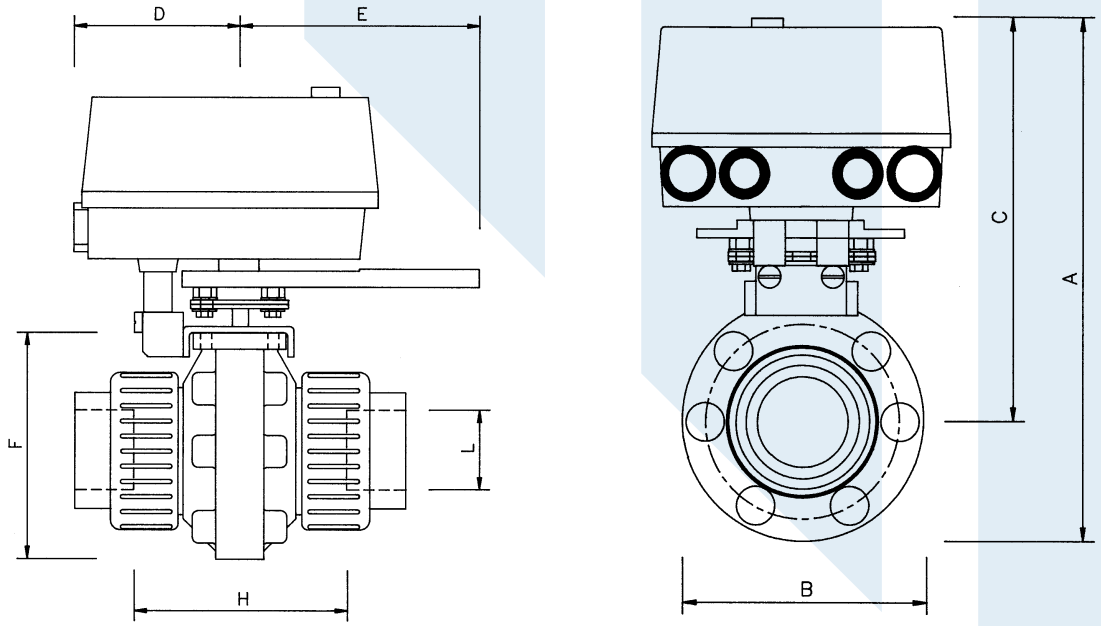
Model specifications:

- VK11: 1 valve - 1 motor
- VK21: 2 valves - 1 motor

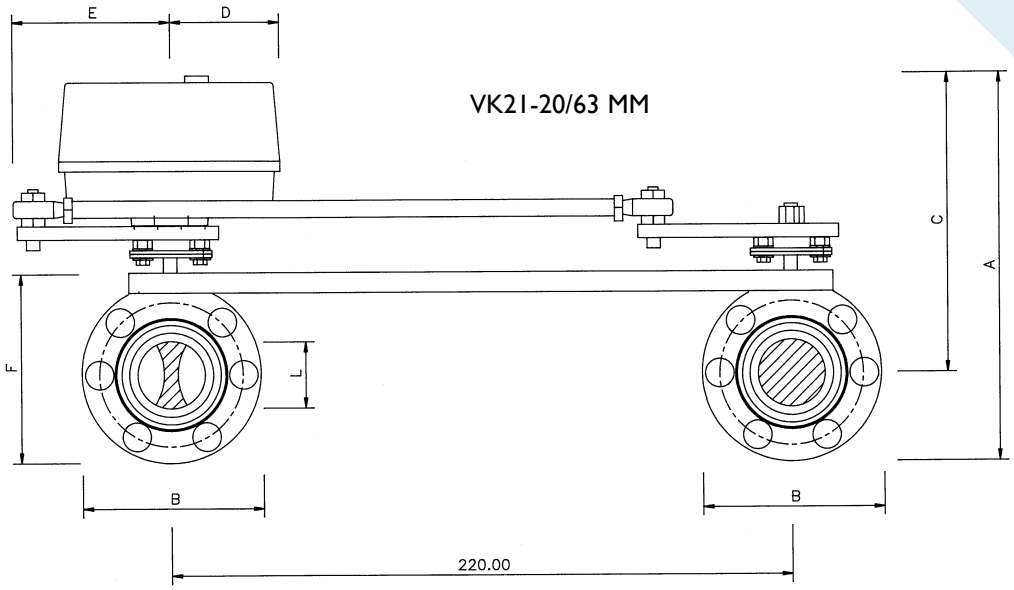
The valves have different run times at a rotational angle of 90°.

DIMENSIONS VK11 AND VK21 20 - 63 MM GC

VK11-20/63 MM



VK21-20/63 MM



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DIMENSIONS VK11 AND VK21 20 - 63 MM GC

VK 11 - 20 / 63 ....VK 21 - 20 / 63 GC									
VALVE	DN	GLUE	A	B	C	D	E	F	H
20	15	20	205	80	164	80	120	91	80
25	20	25	205	80	161	80	120	91	80
32	25	32	205	80	161	80	120	91	81
40	32	40	220	96	171	80	120	107	86
50	40	50	230	108	171	80	120	115	101
63	50	63	255	125	187	80	120	140	112

TECHNICAL SPECIFICATIONS ADJUSTMENT MOTORS

MOTOR TYPE VMM OR VMK SYNCHRONOUS MOTOR WITH CONDENSER: BI-DIRECTIONAL ROTATION	
SUPPLY VOLTAGE	24 VAC or 230 VAC; 50 Hz
POWER	3.5 VA
STANDARD TORQUE	8 or 10 Nm
MAX. AMBIENT TEMP.	60˚C
PROTECTION CLASS	IP 54
ROTATING ANGLE	90˚C
ASSEMBLY POSITION	SEE USER MANUAL

TECHNICAL SPECIFICATIONS VALVE

VALVE DN 20 - 63 PLASTIC OR TWO-WAY, CAP NUTS	
HOUSING	PVC
GASKET	EPDM OR FPM (VITON)
MAX. MEDIUM PRESSURE	6 BAR
MAX. AMBIENT TEMP.	60˚C

HYDRAULIC AND DIMENSIONAL DATA

TYPE	GLUE (mm)	DN	K.V. VALUE m^3/hour	WEIGHT in kg
VK 11-20 GC	20	15	10	< 3.0
VK 11-25 GC	25	20	14	< 3.0
VK 11-32 GC	32	25	15	< 3.0
VK 11-40 GC	40	32	35	< 3.0
VK 11-50 GC	50	40	56	< 3.0
VK 11-63 GC	63	50	100	< 3.0
VK 21-20 GC	20	15	2 X 10	< 3.0
VK 21-25 GC	25	20	2 X 14	3.1
VK 21-32 GC	32	25	2 X 15	3.1
VK 21-40 GC	40	32	2 X 35	3,5
VK 21-50 GC	50	40	2 X 56	4.5
VK 21-63 GC	63	50	2 X 100	5.0

VAN DER ENDE GROEP

For more information, see our website **www.vanderendegroep.nl,** contact our employees, call **Maasdijk +31 (0)174 51 50 50 / Oss +31 (0)412 63 13 78** or mail **sales@vanderendegroep.nl**