

Electrically actuated butterfly valves VEP - INOX



- Valves from ND 50 up to ND 300
- Working pressure: 16 bar max.
- Electric actuator with visual position indicator and manual emergency override

DESCRIPTION

These butterfly valves, operated by an electric actuator, allow or shut off the flow of fluid in a system. Only the seat and the disc are in contact with the fluid. They are also equipped with a manual override for emergency operation. Three actuator models cover all requirements from DN 50 to DN 300.

TECHNICAL FEATURES

Butterfly valve:

Body	Cast iron, epoxy painted
Seals and seat	EPDM
Disc	INOX CF8 from DN32 to DN100 GJS 500 cast iron coated with black Rilsan from DN125 to 300
Fitting	Wafer type, between flanges PN 16 / EN 1092-1, NFE 29203
Maximum pressure	PN16 bar
Operating temperature	-10 to +55 °C (valve with actuator)

Electric actuators:

- Rotation angle: 90°
- On-off or 3-point modulating control
- 4 adjustable 5A limit switches
- Manual emergency override
- Adjustable visual position indicator
- Torque limiter (fuse type)
- 90° mechanical end stops

Specific features of the actuator (DN50 to 125)

Duty cycle	30 %
Ingress protection	IP 65
Connections	1 Cable gland M20 - ISO 1 three-pole connector + ground DIN 43650
Power consumption	15 W (DN50) and 45 W (DN65 to 125)
Power supply	100V to 240V 50/60Hz (100V to 350V DC) or 24V 50/60Hz (24V DC)

Specific features of the actuator (DN150 to 200)

Duty cycle	50 %
Ingress protection	IP68 2 m / 72 hours (plastic cover)
Connections	2 Cable glands M20 - ISO
Power consumption	45 W
Power supply	100V to 240V 50/60Hz (100V to 350V DC) 15V to 30V 50/60Hz (12V to 48V DC)

OPTIONS: On request

EC Conformity: The instrument meets the legal requirements of the current European Directives.



BAMO INTERNATIONAL

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METAL

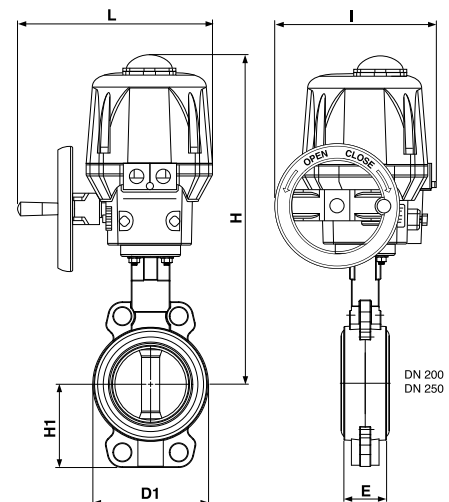
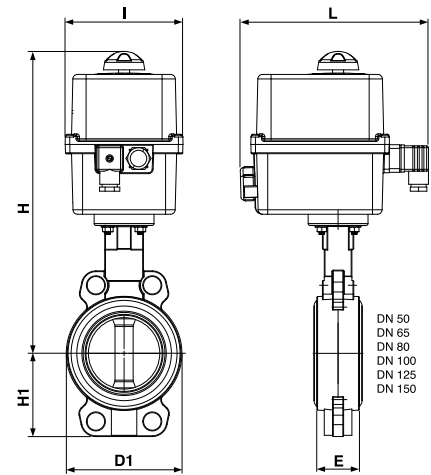
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CODE NUMBERS AND REFERENCES

	24V 50/60Hz 24V DC	100V à 240V 50/60Hz 100V à 350V DC	Model Actuator
ND 50	M 1014 201	M 1014 221	ER 20
ND 65	M 1014 202	M 1014 222	ER 35
ND 80	M 1014 203	M 1014 223	ER 35
ND 100	M 1014 204	M 1014 224	ER 60
ND 125	M 1014 205	M 1014 225	ER 100
	15V à 30V 50/60Hz 12V à 48V DC	100V à 240V 50/60Hz 100V à 350V DC	
ND 150	M 1014 206	M 1014 226	VS 150
ND 200	M 1014 207	M 1014 227	VS 300
ND 250	M 1014 208	M 1014 228	VT 600
ND 300	-	M 1014 229	VT 600

DIMENSIONS [mm]

	D1	E	I	L	H	H1
ND 50	94	43	92	193	287	63
ND 65	111	46			128	208
ND 80	127		336	91		
ND 100	151	52	128	208	356	106
ND 125	180	56			372	121
ND 150	206		60	215	275	386
ND 200	261	60	498			164
ND 250	(Contact us for more information)					
ND 300						



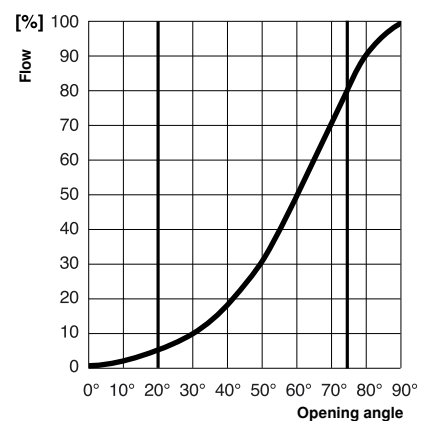
PHYSICAL FEATURES

Opening angle, flow, Kv

Kv in m³/h at pressure drop 1 bar

Example: ND 100 with opening angle of 50° --> Kv = 115 m³/h

	10°	20°	30°	40°	50°	60°	70°	80°	90°
ND 50	-	2	6	12	23	38	65	114	126
ND 65		4	10	23	40	70	115	205	228
ND 80		6	17	40	70	120	200	350	390
ND 100	1	10	28	65	115	190	320	560	620
ND 125		13	40	90	160	260	430	770	860
ND 150	2	26	80	175	310	520	860	1540	1710
ND 200	4	50	155	340	600	1010	1680	3040	3380
ND 250	6	100	300	660	1190	1980	3300	5950	6600
ND 300	8	125	370	820	1480	2460	4100	7370	8190



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