



Manufacturer of shut-off and control valves

TECHNICAL DATA SHEET

Ball valve ELEPHANT BV0030NP-SP-T-ED DN15-50 16 bar standard-bore, brass, threaded with electric actuator 220V/24V without limit switches



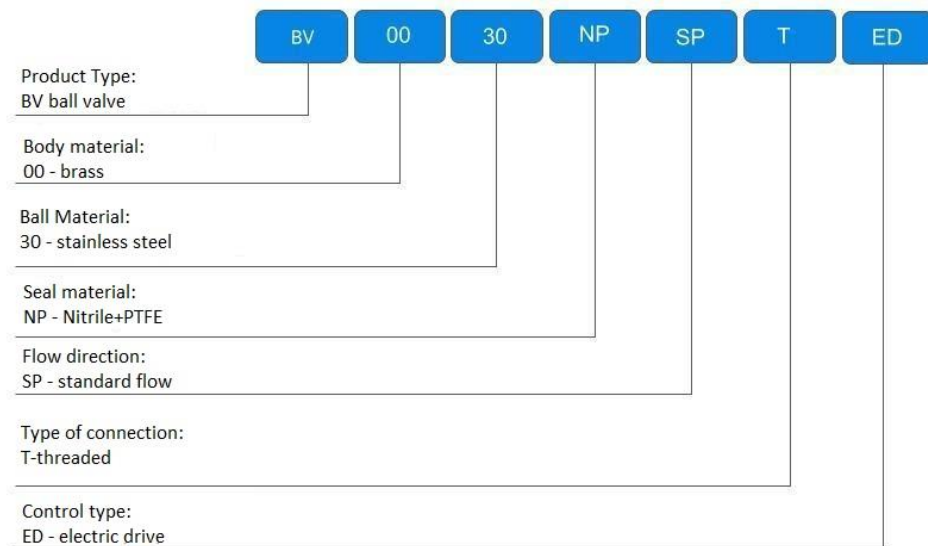
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Carrer d'Aragó, 264, 3-1, 08007 Barcelona, Spain

1. GENERAL INFORMATION ABOUT THE PRODUCT

- 1.1. Product Name: Ball valve ELEPHANT BV0030NP-SP-T-ED DN15-50 Ru16 standard-bore, brass, threaded with electric actuator 220V/24V without limit switches.
- 1.2. Purpose: ELEPHANT BV0030NP-SP-T-ED electrically actuated ball valves are suitable for on/off control in heating and oil air conditioning systems and are electrically powered. Consists of two components: ball valve and actuator.
- 1.3. Principle of operation: The actuator turns the crane ball 90 degrees. It is driven by a synchronous motor. The actuator switches the crane off when it is fully open or closed.



1.4. Deciphering the designation:

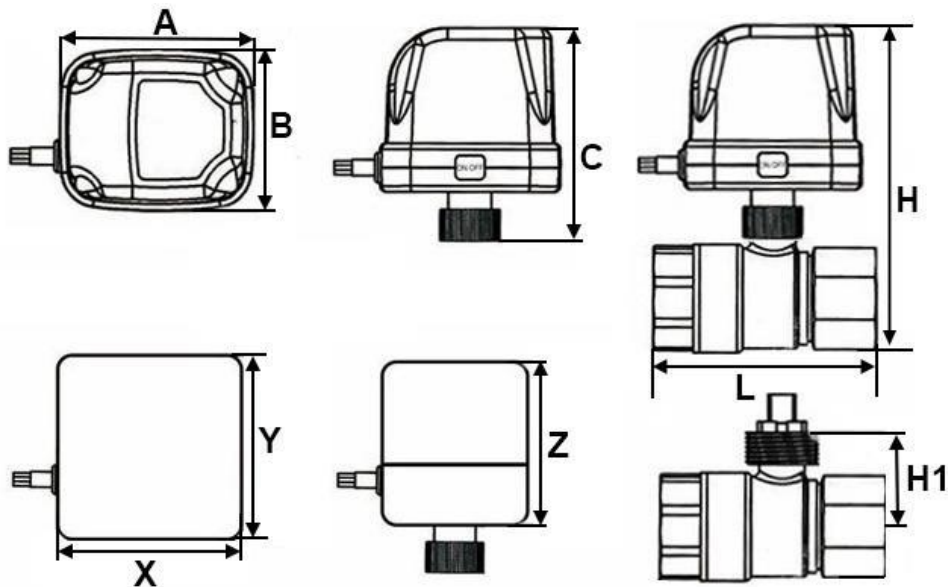


BASIC TECHNICAL DATA AND CHARACTERISTICS

Nominal diameter DN, mm	15 – 50
Nominal pressure PN, bar	16
Closing pressure difference, MPa	< 0.2
Operating temperature t, °C	+2 ... +120
Valve body material	Brass LS59-1
Valve ball	stainless steel
Rod	stainless steel
Seal	Nitrile rubber + PTFE
Thread type	Cylindrical G / BSPP pipe threads
Connection to piping	threaded
Feeding	220V, 110V and 24V AC; 24V, 12V and 5V DC
Ball passage	reduced, standard bore
Power consumption, W	6 (only when opening and closing the valve)
Protection class	IP65
Motor class	synchronous
Operating time, sec	6 – 15
Crane type	Two-way
Working medium	Cold and hot water, 60% ethylene glycol (glycerin) solution



BASIC CRANE DIMENSIONS



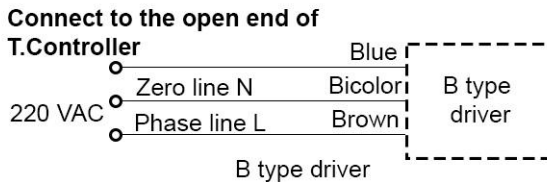
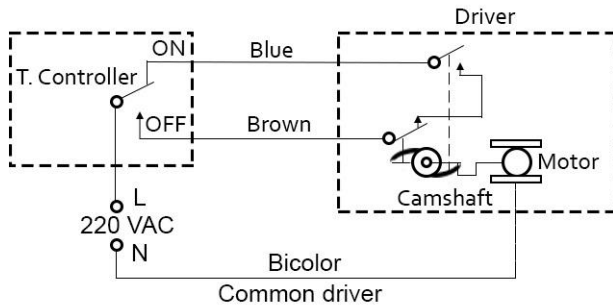
DN, mm	15	20	25	32	40	50
Size in inches	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
H, mm	127	132	137	152	157	170
H1, mm	23	28	33	33	42	49
L, mm	50	58	67	77	85	93
Ø sections, mm	12	17	20	25	30	40
Weight, kg	0,87	0,98	1,21	2,02	2,34	2,96



MAIN DIMENSIONS OF THE ACTUATOR

A	B	C	X	Y	Z
mm					
80	63	84	63	71	83

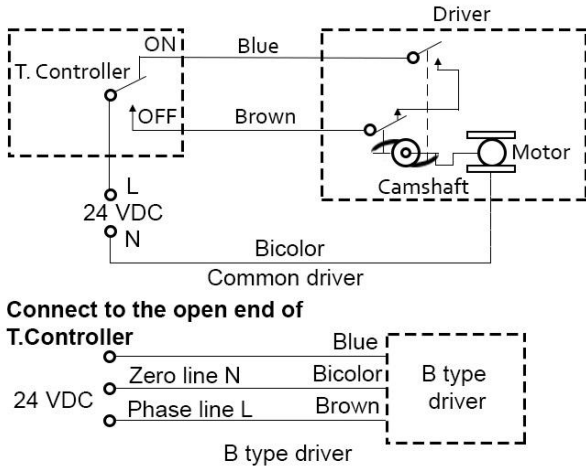
WIRING DIAGRAM FOR 220V ELECTRIC ACTUATOR



Note: the zero line of valve shall be same as temperature controller



24V ACTUATOR WIRING DIAGRAM



Note: the zero line of valve shall be same as temperature controller

OPERATING MANUAL

Кран с электроприводом имеет две схемы работы:

1) Electricity is consumed ONLY when the valve is opening-closing. The ground wire is permanently connected, when the first wire is energized, the valve starts to open, when the second wire is energized, the valve starts to close.

There are 2 wires that are permanently energized: valve closing and ground. If it is necessary to open the valve - it is necessary to apply power to the third wire. As soon as the power is removed from the third wire, the valve closes automatically, similar to the principle of action of a return spring.



WARRANTY PERIOD

Warranty period - 12 months from the date of commissioning, but not more than 18 months from the date of sale.

The warranty does not apply:

- parts and materials of the product subject to wear and tear
- for cases of damage caused by:
 - violations of the product storage, installation, testing, operation and maintenance specifications;
 - improper transportation and handling operations;
 - the presence of traces of exposure to substances aggressive to the product materials;
 - presence of damage caused by fire, elements, force majeure circumstances;
 - damage caused by incorrect actions of the consumer;
 - traces of tampering with the design of the product.

SALES MARK

No	Product Name	Packs

Date of Sale: _____

L.S.



