

# Motorized ball valve

Motorized ball valve for water supply control. NO version for main supply, NC for irrigation. Low consumption 6W, IP65, max pressure 16 bar.




## Quick Facts

Dimensions	80 × 60 × 130 mm
Operating temperature	-10 ... 100 °C
IP rating	IP65

Servo valve head for controlling the main water supply (NO) or irrigation (NC).

## Product Variants

Order Code	Ventil	EAN
DO-BALL-VALVE-1INCH-NC	NC - Závlaha	 8586022932120
DO-BALL-VALVE-1INCH-NO	NO - Hlavný prívod vody	 8586022932106

## Technical Specifications

ELECTRICAL	
Power supply	24 VDC
Power consumption	6 W
Connection	DO (digital output)
GENERAL	
Max. pressure	16 bar
Opening/closing time	5–8 s

Avoid solenoid valves that have high power consumption, overheat, and are noisy. Servo valve heads are energy-efficient, consuming power only during state changes. They can be easily powered directly from the 24VDC source used by the entire TapHome system.

Servo valve heads are available in two versions:

- NO version (normally open when unpowered): Suitable for controlling the main water supply based on data from a flood sensor or a pulse flow meter measuring water consumption.
- NC version (normally closed when unpowered): Suitable for irrigation control.

The servo valve head consists of a ball valve with a servo motor that rotates the ball valve by 90°. The servo motor has a built-in limit switch that cuts off power when the valve reaches its fully open or closed position. The motor is powered directly by 24VDC, has zero consumption when in the open or closed state, and very low consumption during state transitions.

The servo valve head is controlled by a single DO relay output. In the “NO - normally open” version, the water supply remains open in the event of a system failure. In the “NC - normally closed” version, the water supply remains closed in the event of a system failure.

## Features

- Power consumption: 6W only during valve opening/closing
- Opening/closing time: ≤ 15s
- Max. pressure: 1.6 MPa (0 - 16 bar)
- Connection: G-thread, diameter 1”
- Medium: Hot water, Cold water, Water + 50% glycol solution
- Medium temperature: -10~100°C
- Valve material: Forged brass with nickel-plated surface
- Protection rating: IP65
- Servo dimensions: 80 x 63 x 68mm (see photo)

## Wiring

- Brown cable: 24 VDC
- Yellow cable: GND
- Blue cable:
- NO: 24 VDC = closed water flow
- NC: 24 VDC = open water flow

## Installation Notes

- The valve and pipes can be installed horizontally or vertically
- The actuator must not be installed below the pipeline
- The valve thread must comply with the international standard for pipe threads, type G
- Before installation, ensure that both the valve and pipes are free of debris



**Product page**

<https://hardware.taphome.com/ball-valve/>

