

# **Hometronic ball valve**

**HAV 20, 25, 32**

**Mounting and operation**

**Home**tronic 

### **Application**

The motor-driven Hometronic ball valve HAV opens or closes drinking water conduits by means of a ball valve. It is controlled by the Hometronic Manager and allows e.g. watering during the owner's absence while at the same time protecting from damage caused by water.

The ball valve is available in the nominal diameters DN 20, DN 25 and DN 32. It is available ready to be mounted with drive and connecting cable.

The ball valve has a very low noise level. It can be operated without a tool in case of a power failure. The valve state (open/closed) is indicated mechanically.

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## Mounting



**Danger!**

### **Danger to life through electric shock!**

Live contacts are exposed while the module is being connected electrically. Touching a live contact can cause critical injuries.

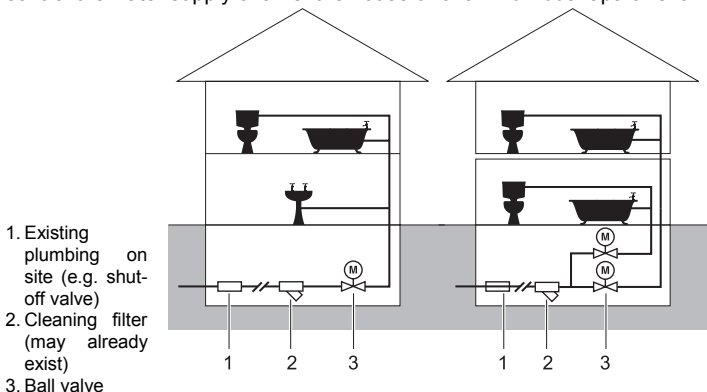
- ▶ All work may only be carried out by authorized specialized personnel.
- ▶ De-energize the corresponding fuse during all work on the module.



It is advisable to install a cleaning filter in order to prolong the service life of the valve and to protect the seals against mechanical damage. Observe the relevant regulations, e.g. DIN 1988.

## Selecting the mounting site

Depending on the mounting site selected, the ball valve can be used to control the water supply of an entire house or of an individual apartment.





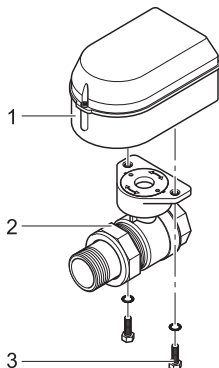
The ball valve can impair the function of sprinkler systems or similar water-based extinguishing systems.

### Caution!

Before mounting the module check whether an extinguishing system is installed or is to be installed.

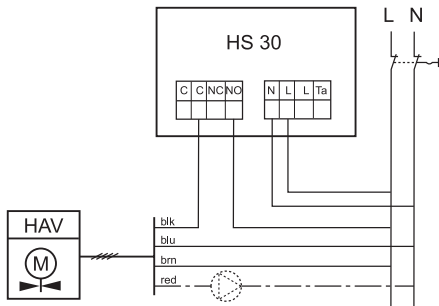
- If appropriate, select a different mounting site.

- Loosen the 2 screws M 6x15 (3) on the bottom of the drive (1).
- Lift the drive off the valve (2).
- Install the ball valve at the corresponding plumbing by using a suitable tool (opened spanner).
- Mount the device switch HS 30 as described in the mounting and operating instructions of the device switch. Ensure that the cable has the right length!



## Electrical connection

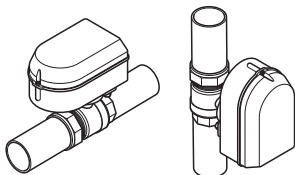
- Install an all-pole switch with 3 mm opening on site in the incoming line.
- Wire the device switch and ball valve in accordance with the adjacent diagram and connect them to the power supply.



### Assembling the ball valve

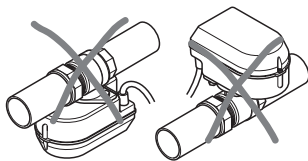
When selecting the mounting site ensure that:

- The ball valve is accessible and operable when power fails.
- The drive is mounted parallel to the plumbing.



Right

Mounting of the drive upside down or transverse to the plumbing is not allowed.



Wrong

- ▶ Place the drive on the valve. Observe the plumbing direction!
- ▶ Screw the drive to the valve by using the 2 screws M 6x15.
- ▶ Assign the device switch HS 30 to the Hometronic Manager as described in the operating instructions of the device switch.

*Mounting has been completed.*

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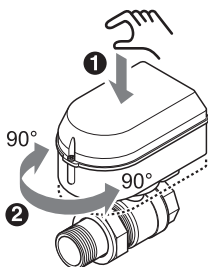
### Operation

#### Manual operation

The ball valve can be operated manually if the power fails:

- ▶ Press the drive to the valve (1).
- ▶ Turn the drive by 90°(2).

*The valve is closed.*



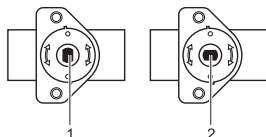
#### Indication of the valve state (open/closed)

##### When the drive has been removed

Position of the valve axis:

(1) Closed

(2) Open

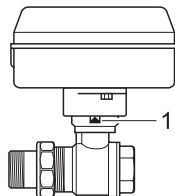


##### When the drive is mounted

Colored triangle in the indicator window (1):

Red: Open

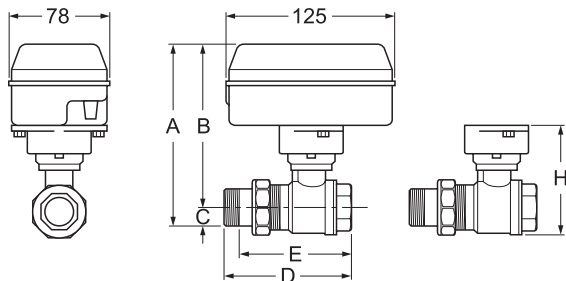
No Color: Closed



## Technical data

Type designation	HAV 20	HAV 25	HAV 32
Weight	0.88 kg	1.10 kg	1.42 kg
Nominal width	DN 20	DN 25	DN 32
Power supply	230 V AC +6 ...-15%	50...60 Hz	
Limit switch	5 (1) A, 230 V, 50 Hz		
Power (operation consumption)	7.5 VA		
Power (standby consumption)	3 VA		
Protection standard	IP 44 conforming to IEC 529		
Protection class	2 conforming to EN 60335-1		
Dimensions	Refer to "Dimensions"		
Rotation time	30 sec for 90°		
Max. operating pressure	PN 16		
Max. initial torque	8 Nm		
Connecting cable	4 x 0.5 mm, 2 m		

## Dimensions



Des.	G	KVS	PN	A	B	C	D	E	H
HAV 20	¾"	41	16	144	124.5	19.5	90.5	77.5	84
HAV 25	1"	68	16	153	129.5	23.5	104	90	93
HAV 32	1 ¼"	123	16	163	134.5	28.5	119.5	105.5	103

All dimensions in mm, KVS in m<sup>3</sup>/h



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This document is definitive for the enclosed product and replaces all previous  
publications.

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