

Operating and maintenance instructions for

Hawle - E2, E3 gate valve

Ord. No. 400-00, 401-00, 405-00, 409-00, 415-00, 434-00, 437-00,
440-00, 442-01, 442-02, 445-00, 447-00, 447-01, 448-00, 448-01, 450-00, 451-00, 453-00,
454-00, 470-00, 471-00



1. Intended use / product description



Gate valve
spigot socket/BAIO® system
Ord.No. 451-00



Gate valve
flange/PE fusion end
Ord.No. 409-00



Flanged gate valve, long
Ord.No. 470-00



Gate valve with
steel welding ends
Ord.No. 454-00



Combi-III gate valve
„WS/T“ with
double flanged taper
Ord.No. 447-01



Flanged gate valve, short
Ord.No. 400-00

(example image)

Medium: Potable water / gas

Max. operating temperature **Water:** 40°
Gas: -10° - 50°

Max. operating pressure: up to 16 bar (exception Ord. No. 471-00 25 bar)
Type-specific limitation for maximum operating pressure according to the catalogue.

Material:

Body: GJS-400, Hawle epoxy powder coated

Spindle: stainless steel

Wedge nut: brass

Wedge: GJS-400, EPDM inside and outside for potable water acc. to DVGW W 270 or NBR for gas acc. to EN682

Gaskets/plastics: EPDM acc. to DVGW W270 or POM acc. to KTW assessment basis f. water or NBR acc. to EN682

E3-edge protection ring: PE

PE-spigot: PE 100 incl. stainless steel support sleeve

Steel-spigot: longitudinal seam-welded steel pipe acc. to EN 10224/DIN2460

metal materials in contact with potable water acc. to the positive list of the German Federal Environmental Agency (UBA)*

Different versions, e.g. types of connection, etc., as specified in the catalogue.

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.

Installation and maintenance operations may be performed by qualified personnel only.

The typical applications for gate valves are “opened” and/or “closed”. Gate valves are no control valves! In case of underground installation, the gate valve is actuated via an extension spindle. When installed in manholes or plants, handwheels or electric actuators shall be applied. The handwheel sizes and/or operating keys recommended by us must be used. Lever extensions and similar are not permitted.

When installing gate valves with electric actuators, the relevant operating instructions and CE marking regulations shall be observed.

2. Assembly

For gate valves installed in pipelines, the respective DVGW regulations regarding the establishment of flanged, threaded or welded connections and in the case of BAIO® connections, the BAIO installation instructions shall be observed.

3. Commissioning and pressure-testing

After the successful installation, the gate valve has to be pressure-tested in the open trench acc. to the DVGW regulations observing the maximum operating pressures.

After the leakage test, a function check has to be performed.

4. Servicing and maintenance

Hawle gate valves do not require any maintenance. Inspection acc. to DVGW sheet W400-3.

To ensure a trouble-free operation, we recommend actuating the gate valve once a year (or earlier if the formation of deposits must be expected).

In addition to the functional check, gate valves with electric actuators also need to be visually inspected (gate valve, actuator, and electrical installation). The European regulations in terms of CE marking (e.g. EU Machinery Directive, EU EMC Directive, accident prevention regulations,) shall be observed.

* Brass/red brass components > 0.1% lead acc. to Regulation (EU) No. 1907/2006 (REACH Regulation)

Should you have questions or need further information, please contact:

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