Operating and maintenance instructions for

Replacement-bonnet for Hawle - valve E2, E3
Ord. No. 868 E00

1. Intended use / Product description

Medium: Potable water

Max. operating temperature water: 40°

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
Gaskets/plastics: EPDM acc. to DVGW W270 or POM acc. to KTW assessment basis f. water
E3-edge protrection ring: PE
Screws: stainless steel
metal materials in contact with potable water acc. to the positive list of the German Federal Environmental Agency (UBA)*

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.

2. Assembly

	Allen key (see table for width across flats), screwdriver, heat source, fireproof container

Attention: Before replacing the bonnet of the valve, open the valve and bring the pipe to a depressurised state.

- Remove the edge protector ring: hook it into the side of both recesses with a screwdriver.
- Remove paraffin
- Loosen screws
- Remove the the bonnet of the valve and the gaskets
- Clean sealing surface
- Put on new gasket

- Move the wedge on the bonnet of the valve to an open position
- Put on the bonnet of the valve
- Insert the screws and tighten them crosswise. See table for torques.

Nominal size	Ord.No.	Hexagon socket screw	Wrench size	Torque
DN50	868 000 0051	M 10 (8.8)	AF8	50 Nm ± 5 Nm
DN65-80	868 000 0081	M 12 (8.8)	AF10	85 Nm ± 5 Nm
DN100	868 000 0101	M 12 (8.8)	AF10	85 Nm ± 5 Nm
DN125-150	868 000 0151	M 12 (8.8)	AF10	85 Nm ± 5 Nm
DN200	868 000 0201	M 12 (8.8)	AF10	85 Nm ± 5 Nm
DN250	868 000 0251	M 12 (8.8)	AF10	85 Nm ± 5 Nm
DN300	868 000 0301	M 16 (8.8)	AF14	125 Nm ± 10 Nm
DN350	on request	M 16 (8.8)	AF14	125 Nm ± 10 Nm
DN400	on request	M 16 (8.8)	AF14	125 Nm ± 10 Nm
DN450	on request	M 16 (8.8)	AF14	125 Nm ± 10 Nm
DN500	on request	M 16 (8.8)	AF14	125 Nm ± 10 Nm
DN600	on request	M 16 (8.8)	AF14	170 Nm ± 10 Nm

- Heat the paraffin, melt it and pour paraffin into the screw heads up to the rim.
- After successful installation, a pressure test must be carried out in an open pipe trench in accordance with DVGW regulations.
  Following the pressure testing, a functional check must be carried out.
  To detect leaks, the visual inspection must be carried out before fitting the edge protector ring.
- Mount edge protector ring.

3. Servicing and maintenance

For maintenance, the corresponding operating instructions of the valve must be observed.

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

If you have any other questions or if you need more information please contact:

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