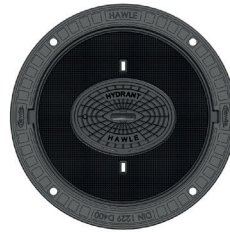
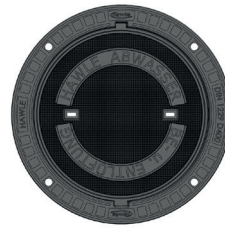




**1. Intended use / product description:**



Version for  
Combi valves



Version for  
air valve sets



Version for  
universal use

**Medium:** potable water

**Material:** manhole ring/cover: GJS-400, bituminized  
positioning pin: stainless steel  
absorber ring: polychloroprene

The manhole cover Ord. No. 205-02 is suitable for installation in paved traffic areas. The clear width is 610 mm. During rolling in, a bond is created between the drawing ring and the asphalt layer. Thus, the traffic load is discharged into the base layer. This bond ensures that the surface box remains level with the road surface. The absorber ring prevents contact corrosion between the lid and the manhole cover, on the one hand, and ensures easy loosening of the lid as well as a reduced rattling tendency of the latter, on the other hand.

**Design variants (for road new construction and rehabilitation):**

- For Combi valves

Ord. No. 205 100 0005 new construction / Ord. No 205 110 0005 rehabilitation with inscription "HYDRANT"

The integral hydrant cover is connected to the shaft cover via a locking pin with cotter pin and washer. The absorber ring between the hydrant cover and the manhole cover prevents contact corrosion between the cover and the cap, on the one hand, and ensures easy loosening of the lid, on the other hand.

- For air valve set Ord. No. 985-00

Ord. No. 205 100 0004 new construction / Ord. No 205 110 0004 rehabilitation with inscription "HAWLE ABWASSER BE- UND ENTLÜFTUNG"








- For universal use

Ord. No. 205 100 0006 new construction / Ord. No 205 110 0006 rehabilitation with inscription "WASSER"

During installation, mounting, and maintenance, the applicable standards and regulations, accident prevention regulations, as well as the trade associations' provisions must be observed and complied with.

Installation, mounting, and maintenance may be performed by skilled personnel only.

## Accessories:

		
<p><b>204-09</b></p> <p>Concrete base plate for manhole cover Ord. No. 205-00, 205-02</p> <p>Support ring suitable for Hawle manhole cover Ord. No. 205-02 Installation height: 80 mm</p>	<p> <b>440-01</b></p> <p>Extension spindle fixing against formwork pipe</p> <p>The extension spindle fixing is used in combination with the formwork pipe for Combi III valves and Combi IV valves for fixing the extension spindles in buried installation.</p>	<p> <b>440-02</b></p> <p>Formwork pipe for Combi III and IV valves up to DN150 - D630 mm up to DN200 - D710 mm</p> <p>The formwork pipe is used to facilitate the installation of Combi valves. It allows an easy compaction of the soil outside the formwork pipe. To ensure frost resistance, the formwork pipe can be filled with self-binding gravel, for example, and washed in.</p>
 <p> <b>341-00</b></p> <p>Operating key Ord. No. 342 operating key for valves</p>		

## 2. Installation / Mounting

	<p>Hoisting equipment, vibratory roller or plate</p>
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### 2.1 Installation of manhole cover in case of new road construction

Suitable hoisting equipment must be used for transport as well as for loading and unloading. In the process, hoisting equipment should not be applied to the lid.

Establish the required installation height of the manhole cover, i.e. 230 mm below the upper edge of the final road level.

When installed on a manhole, bring the manhole upper edge to the required installation height of the manhole cover either with a concrete support ring for manhole covers Ord. No. 204-09 (see accessories) or with customary compensating rings.

**The special mounting construction must always be determined by the planning team considering the local and structural conditions.**

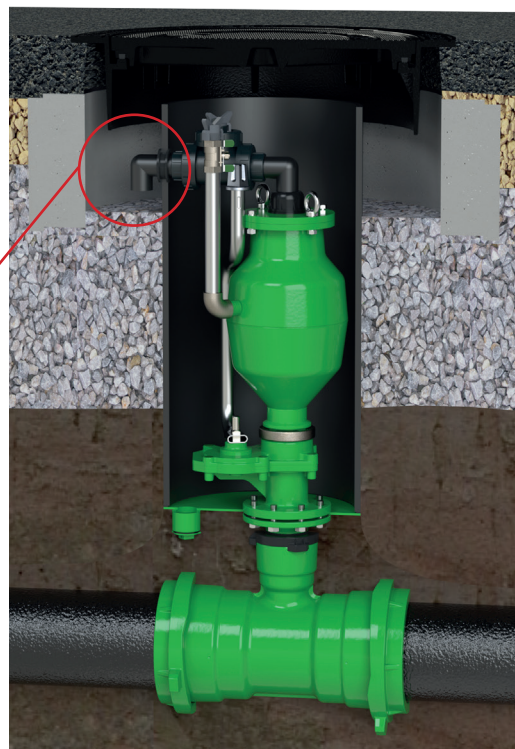
For the design variant for Combi valves, the use of formwork pipe Ord. No. 440-02 (see accessories) is recommended for professional installation.

For manholes, we recommend a formwork aid of at least 715 mm.

Care must be taken that the cover is thoroughly backfilled with asphalt. Use a vibratory roller or plate to vibrate and/or roll the manhole cover in so it is flush with the surface.



Installation example  
Combi valve with  
extension spindle fixing Ord. No. 440-01 and  
formwork pipe Ord. No 440-02



There must be sufficient installation space around the drain-off fitting

Installation example  
Air valve set Ord. No. 985-00

## 2.2 Installation of manhole cover in case of rehabilitation

For rehabilitation, the design variant manhole cover VE "Rehabilitation" **with a reduced height of 170 mm** is available.

1. Dismantle the manhole cover to be rehabilitated, creating a central recess with a minimum diameter of 1000 mm.

Depending on the intended compaction device, it may be necessary to adapt the diameter of the recess.

Then check the shaft head for loose and damaged parts and replace them as necessary.





2. Bring the manhole upper edge to the required installation height, at least 190 mm below road level.

Install the customary compensating rings, if necessary.

For a professional paving of the asphalt layer, we recommend using a customary formwork aid.

To achieve sufficient stability, the layer structure of the rehabilitation on site must be the same as that of the road surface.



3. Care must be taken that the cover is thoroughly backfilled.

Use a vibratory roller or vibratory plate to vibrate and/or roll the manhole cover in so it is flush with the surface.



### 2.3 Handling the manhole cover

#### Opening

The manhole cover is opened by means of operating key / valve key Ord. No. 341-00 (see accessories).

#### Design variant for Combi valves

For actuating the extension spindle for gate valves, open the manhole cover. If you only want to operate the hydrant, it will be sufficient to open the integral hydrant cover.

#### Closing

Clean the contact areas at the lid and frame.

Check the lid, frame, and absorber ring for damage.

### 3. Servicing and maintenance

The Hawle manhole cover for rolling in does not need any maintenance.

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

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