



Installation instructions for backwater valves in acc. w. DIN 19569

Part 4

Congratulations on your choice of valves

ABS valves Made in Germany

1. Checked the valve for **transport damage** and notify without delay. Stainless steel valves must be protected against rust film, rain and contact rust. Only stainless tools may be used on stainless steel valves!
2. The valve may only be installed on **flat walls**, max. 1 cm surface unevenness, and if this is not possible please instruct your client to rework the surface. As soon as you drill the first drill hole you have **accepted the structure (installation surface)** and are responsible for all following works. If there are any cracks or gaps they must be professionally and permanently sealed off before installation. If installation surfaces are coated, please call us for clarification before commencing installation since we cannot otherwise provide a guarantee. Before drilling the drill holes you should note that you may only use the chemical bonding anchors in **primary concrete**. If the walls have been plastered, the anchor drill holes must have their full target depth in primary concrete.
3. **Casting** of valves may only be carried out by qualified skilled operatives. After casting the stainless steel surfaces must be cleaned of any remaining casting material, otherwise the seal will be damaged.
4. Glue the included **structural sealing tape** to the rear of the Dowell flange. The ends of the sealing tape must crossover and should be placed as close as possible to the epoxy dowel bolts in the upper section.
5. Completely position the **anchor drill holes** provided in the dowel flange vertically in the centre towards the outside (otherwise central buckling of the dowel flange will occur).
In the case of large bores, please measure the internal opening before dowelling in order to avoid making an oval or a distorted rectangle. Now clean the **drill holes** of drilling dust and insert the anchors according to the anchor manufacturer's instructions. They can only be tensioned after complete hardening! Only approved dowels may be used!
6. Clean the backwater valve of drilling dust and other soiling.
7. In the case of valves with heads of water above 3 metres, it is necessary to close off the **structural sealing gap** in the nominal width between the structure at wall and the dowel flange using a product called Klebt & Dichtet.
8. The **backwater valve cover** is fixed to the arm U-bearing. The arm bearing is bolted to the U-pipe bracket using elongated holes. This allows the backwater valve cover and the seal pre-tension to be **readjusted**. First, the flat panel should contact the seal at the top when fitted, and also be in sealing contact at the bottom. The important thing is that the thread tape is located right at the back up to the seal stop. It is possible to push the seal carefully up to the flap panel with the aid of a wooden or plastic wedge. When doing so, the thread tape should not pull the seal into the nominal diameter but should be located on the pipe connection.
9. You can carry out a function check on the valve by swivelling the backwater valve cover by at least 90°, after this the **opening protection device** should engage. It is important to water the seal beforehand.
10. Any **outside influences**, for example grinding caused by flying sparks and heated, burning-in embers, steel screws, steel scaffolding whose rusting rainwater flows onto the valve, must be categorically avoided.
11. We explicitly exclude any **warranty claims** caused by damage or non-functioning which is caused by nonobservance of these assembly instructions.
12. Please don't forget to **dispose** of the transport and packaging units in an environmentally-friendly manner.

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We can help you with words and deeds at any time on (49) 05731 / 30051-0.