

## Operating Instruction

Wafer check valve K4 PVC-U, PP, PP+GF, PVDF

### 1. Installation instruction

- a) Flange connection
1. Slide flange on pipe
  2. Mount flange socket onto pipe (weld)
  3. Insert wafer check valve with flanges into pipeline (**caution:** an arrow on valve body shows the flow direction)
  4. Connect flanges with proper bolts (make sure that flange gasket sits in proper location)

#### Note:

Furthermore wafer check valve and pipes should be aligning.

Only approved welder are allowed to perform plastic welding in accordance to DVS guidelines 2207 Part 11 for PP, DVS 2207 Part 15 for PVDF. Pipe installations have to be performed in accordance with DVS 2210 Part 1

### 2. Operation

The valves are factory tested for leakage.

A pressure test due to Pressure Equipment Directive has to be performed before start up and documented.

The test pressure will be calculated with the lowest nominal pressure by pressure testing device.

After the pressure check of the whole piping-system, you have to redraw all screws in unpressurized system.

### 3. Current use

The rated published pressure and temperature limits have to be obeyed – for details visit our website ([www.praherplastics.com](http://www.praherplastics.com)).

Pressure and temperature relate to media which PP and PVDF are inert. In case of uncertainty please look it up in a chemical resistance list.

The wafer check valve is not suitable for media with solids. Additionally the Wafer Check valve is neither tested nor approved for usage in gas systems.

### 4. Service

- Use only Silicone- or Polyglycol based lubricants for EPDM gaskets.
- Change gaskets in case of leakages

### 5. Dismantling instruction

**Caution:** Do not dismantle pressurized system.

- b) Flange Connection
1. Drain pipeline
  2. Loosen flange bolts
  3. Take valve out of system and do not misplace gaskets

### 6. Caution

- Do not loosen screws in a pressurized system
- Drain systems before dismantling