



## **Operating instructions Cone check valve S4 PVC**

### **1. Installation instructions**

- a) Flange connection
1. Slide flange on pipe
  2. Mount flange socket onto pipe (cement)
  3. Insert Cone 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.)
- b) Tread, Slip socket
1. Dismantle union nuts and slide them on pipe
  2. Mount sockets on pipe (screw or cement)
  3. Insert Cone check valve between premounted sockets (**Caution:** an arrow on valve body shows the flow direction.)
  4. **Hand tighten** union nuts. (Make sure that o-rings are in proper location.)

### **Note**

In order to release Cone check valve from overlapping stresses it is recommended to mount pipe right next to the valve onto the wall (fix-point-mounting, for example with our valve brackets S4).

Furthermore Cone check valves and pipes should be aligning.

Solvent cement according to DVS guidelines DVS 2204 Part 5 for PVC.

Pipe installations have to be performed in accordance with DVS 2210 Part 1

### **2. Operation**

The valves are factory tested for leakage according to DIN 3230 leak rate 1.

A pressure test to DGR 97/23/EG 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 union nuts in unpressurized system.

### **3. Current use**

The rated and published pressure and temperature limits have to be obeyed-see our technical catalogue or visit our website ([www.praher.com](http://www.praher.com))

Pressure and temperatures relate to media which PVC are inert to (see chemical resistance list).

The Cone check valve is not suitable for media with solids.

### **4. Service**

Use only Silicone- or Polyglycol based lubricants for EPDM gaskets.

Change gaskets in case of leakages.

### **5. Dismantling instructions**

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

- a) Flange Connection
1. Drain pipeline
  2. Loosen flange bolts
  3. Take valve out of system and do not misplace gaskets
- b) Thread, Solvent socket
1. Drain pipeline
  2. Loosen union nuts
  3. Take valve out of system and do not misplace gaskets

### **6. Caution**

Do not loosen bolts or screws in a pressurized system

Drain systems before dismanteling.

### **7. Declaration of Conformity**

**acc. to Annex VII of the Directive 97/23/EG**

We, the

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| Praher Kunststofftechnik Ges.m.b.H<br>Poneggenstrasse 5<br>A-4311 Schwertberg / Austria |
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declare, that the product

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| PVC Cone check valve S4<br>DN32 / d40 – DN80 / d110<br>EPDM-FPM |
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in which the declaration relates to, with the guidelines 97/23/EG as well as the AD2000- document HP 120 R (February 2001) for which this declaration is in conformance with,

Kategorie I Modul A

Place/Date: Schwertberg, 11.05.2005

For the manufacturer: 

Ing. Werner Gradl  
Expert