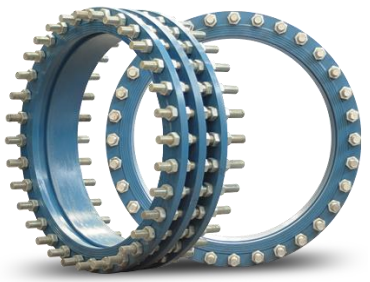
Operating Instructions

Dismantling Joints DN100 - 2400



1. **Product and Functional Description**
2. **Design Features**
3. **Flange Details**
4. **Installation in Pipeline**
5. **Initial Startup**
6. **Maintenance**

Allways be sure Use this operating instruction in every dismantling joints operations.

1. Product and Functional Description

- TS K 461
- Easily fixing to valves
- Maximum operating temperature 50°C

2. Design Features

- Flanges according to DIN EN1092
- Three parts body design
- Movement Capability ±25mm

OPTIONAL

- Stainless steel body parts
- Bolts and nuts are stain-less steel

3. Flange Details

- Double Flange,
- Flanges DIN EN 1092

4. Installation in Pipeline

Remove all packing materials from diamantling joint. Check pipeline on pollutions and foreign parts prior to installation and clean if necessary.

WARNING !

It is important to ensure that the dismantling joint is completely accessible from all sides for operation and maintenance. If installed outdoors, the dismantling joint should be protected on site against direct weather influences.

During installation, the distance between the pipe flanges should be at least 20 mm larger than the face to face dimensions of the dismantling joint, so that the faces will not be damaged and the gaskets can be inserted. For flanges rubber gaskets are recommended. For slip-on flange it is mandatory (Medium and temperature compatibility must be observed). The counter flanges must be parallel and concentric. The connecting bolts must be tightened equally in crosswise (tension free). The pipeline must not be pulled up to the dismantling joint.

5. Initial Startup

After installation open the appended valve to fully position to be sure the valve disc working properly.

5.1 Permissible mode of Operation

Be sure the connecting bolts must be tightened equally in crosswise (tension free).
Please double check flange gaskets.

Maximum permissible flow velocities:

PN10: 4 m/s
PN16: 5 m/s

5.2 Non permissible modes of operation

After mounting be sure disruptive parts be avoided.
Make sure that the materials are suitable for the operating conditions.
Do not exceed the maximum operating pressure temperature limits.
For EPDM profile gaskets and O-rings: No contact of the rubber parts with mineral oils or greases are allowed as EPDM swells.

6. Maintenance

6.1 Maintenance and inspection

Dismantling Joints have maintenance-free bushings.
For functionality and tightness should be monitored on rotational basis at an interval of ≤ 4 years.

It is important to ensure that the apeended valve is completely closed for operation and maintenance. If installed outdoors, the diamantling joint should be protected on site against direct weather influences.

After maintenance complete be sure appended valve work properly.

6.2 Repair

6.2.1 Peplacement of the Gasket

- Demount the dismantling joint from the pipe line
- Unscrew all the bolts and nuts
- Disassemble parts of the dismantling joints
- Remove old gasket and add new one
- Do not use any long term lubricant.
- Assemble dismantling joint parts.
- Screw all the bolts and nuts
- Mount the dismantling joint to the pipeline with new flange gaskets