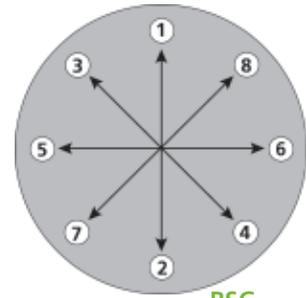


# Flange Gasket - Type RSG and RSG-TW-V 4 pipes



## Installation RSG

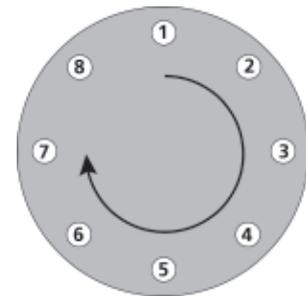
- the sealing line of flange surfaces needs to be clean, free of grooves and edges
  - insert the gasket carefully between the flanges
  - lubricate bolts
  - insert bolts into bolt holes
  - tighten bolts evenly (in three steps 30% + 40% + 30%) with a torque wrench according to the tightening torque table specification below
  - tighten bolts in a diagonally opposite sequence as shown in the picture on the right
- For any other installation or operation situation please contact our customer service.



RSG

## Installation RSG-TW-V

- sealing lines of flanges must be **clean and free of grooves and edges**
  - extra long bolts with smaller diameter might be necessary
  - adjust angle of RSG-V according to misalignment of flanges by plugging and twisting sealing elements into each other
  - IBC form ensures self-centering of gasket
  - insert the gasket carefully between the flanges
  - lubricate bolts
  - insert bolts into bolt holes
  - tighten bolts evenly (in three steps 30% / 40% / 30%) **in a clockwise direction (see picture to the right)** with a **torque wrench** according to table below
- For any other installation or operation situation please contact our customer service.

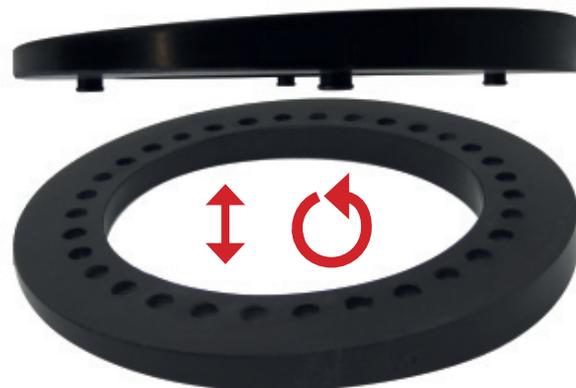


RSG-TW-V

## Important advice

Gaskets should only be installed once. Don't apply any additional sealant, lubricant or glue on the installed gasket. Never install more gaskets on top of the first one. Please adhere to the installation instructions/regulations and requirements for qualified fitters, in accordance with DIN-EN 1591.

| Torques values for flange gaskets type RSG and RSG-TW-V |      |       |       |       |       |
|---|------|-------|-------|-------|-------|
| Values for steel flanges in Newtonmeter (Nm)            |      |       |       |       |       |
| DN  | PN 6 | PN 10 | PN 16 | PN 25 | PN 40 |
| 15  | 15   | 30    | 20    | 25    | 25    |
| 20  | 25   | 30    | 40    | 25    | 40    |
| 25  | 25   | 30    | 40    | 25    | 40    |
| 32  | 40   | 100   | 100   | 100   | 100   |
| 40  | 40   | 100   | 100   | 100   | 100   |
| 50  | 70   | 100   | 100   | 100   | 100   |
| 65  | 70   | 100   | 100   | 100   | 100   |
| 80  | 100  | 100   | 100   | 100   | 100   |
| 100   | 100  | 100   | 100   | 200   | 200   |
| 125   | 100  | 100   | 100   | 310   | 310   |
| 150   | 100  | 200   | 200   | 310   | 310   |
| 200   | 100  | 200   | 200   | 310   | 450   |
| 250   | 100  | 200   | 310   | 450   | 720   |
| 300   | 200  | 200   | 310   | 450   | 720   |
| 350   | 200  | 200   | 310   | 720   | 980   |
| 400   | 200  | 290   | 450   | 820   | 1200  |
| 450   | -    | 290   | -     | -     | -     |
| 500   | 200  | 290   | 550   | 820   | -     |
| 600   | 300  | 420   | 750   | 1200  | -     |
| 700   | 300  | 420   | 750   | 1300  | -     |
| 800   | 350  | 610   | 960   | 1850  | -     |
| 900   | 400  | 610   | 960   | 1850  | -     |
| 1000  | 400  | 800   | 1300  | 2600  | -     |
| 1200  | 550  | 1100  | 1200  | -     | -     |
| 1400  | -    | 1400  |       |       |       |
| 1600  | -    | 1930  |       |       |       |
| 1800  | -    | 1930  |       |       |       |
| 2000  | -    | 1930  |       |       |       |



RSG-TW-V (twist and plug tmechanism)

The RSG gasket was tested and calculated by the laboratory company amtec Messtechnischer Service GmbH.

**Calculated for flanges on the basis of EN 1591-1, considering the specific gasket values acc. to DIN EN 13555 and VDI 2200.**

Values based on friction  $\mu = 0.14$  (bolts lubricated). Bolts quality 5.6 or higher. Flange quality: 1.0460 (C22.8)

For PE flanges please note:

The torque value must be adjusted to the grade of the PE flange. All informations on tightening torques can be obtained from the flange manufacturer.

Also note DVS2210-1 B3.

Checking the suitability of the product for the individual application is solely the responsibility of the user. 4 pipes does not grant any warranty for preinstalled or reused flange gaskets.