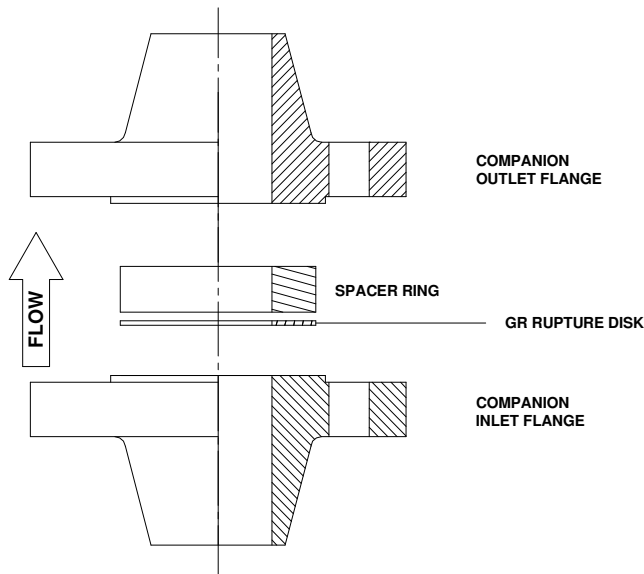


Installation Instructions for GR Family Rupture Disks Between Companion Piping Flanges

TYPICAL GR INSTALLATION SHOWN



CAUTION

All new rupture disk installations should be located to allow full, unrestricted discharge when overpressure of a pressurized system occurs, causing a disk to burst. **Never locate a rupture disk assembly where the discharge from a ruptured disk is directly impacting people or equipment.**

IMPORTANT

A GR rupture disk is a precision piece of equipment. Please handle it with extreme care! Avoid scratching, bending, denting or otherwise damaging the flat rupture disk. Do not allow sharp or pointed objects to pierce the Teflon seals of this assembly. If the spacer portion of the assembly is attached to the rupture disk, handle the entire assembly via this spacer not the nametag.

When a spacer is installed with this disk, a suitable gasket is required between the spacer and vent side companion piping flange. This gasket is not normally supplied unless requested by the end user.

RUPTURE DISK REMOVAL

1. Verify that system has been depressurized and is safe to open to ambient conditions. Remove companion flange

bolting

2. Use extreme care when separating the companion piping flanges for removal of the ruptured disk due to the sharp edges of this rupture disk assembly in the burst/open condition.

3. Remove the burst rupture disk assembly and examine the mating companion piping flange gasket surfaces. These gasket surfaces should be suitably cleaned to remove all traces of the previous gasket seal in order to create a good seal on the GR assembly being installed.

INSTALLING THE GR RUPTURE DISK

1. Position the new GR assembly within the companion piping flange bolt circle and install sufficient bolts to maintain this position for the GR. Complete bolting installation being careful to maintain the initial position of the rupture disk assembly.

2. Tighten nuts in a sequential manner, beginning with 10 percent of the torque values depicted in the table below. Increase the torque level in suitable increments until the value listed in the table below is achieved

| FLANGE BOLTING TORQUE REQUIREMENTS FOR GR COMPANION FLANGES (FT-LBS) | |
|--|----------|
| Nominal Size (inches) | 150 ANSI |
| 1 | 15 |
| 1.5 | 20 |
| 2 | 25 |
| 3 | 40 |
| 4 | 30 |
| 6 | 55 |
| 8 | 75 |

The torque values listed in the tables on this page are suitable for many of the gasket and flange bolting materials currently in use. If the torque values listed do not achieve a leak free seal, the listed values may be increased in ten (10) percent increments until a seal is achieved. Please consult the factory when gasket sealing or a leak free rupture disk cannot be achieved or maintained. Do not use excessive torque on the flange bolting as this may cause damage to the rupture disk itself.