

Fike® Rupture Disc Installation

Read these instructions carefully and completely before attempting to unpack, install or service the rupture disc and holder: INSPECTION AND PREPERATION.

New Rupture Discs

1. Always handle the rupture disc by its edges only. Damage to the dome or seat area of the rupture disc may adversely affect the performance of the rupture disc.
2. Carefully remove the rupture disc from its packing container.
3. Inspect the rupture disc for damage. Look for dents, scratches or dings in the seat area or dents in the dome of the rupture disc.
4. If foreign material is present, carefully clean the disk with a soft clean cloth being careful not to tear disk.

New Holder

1. Handle rupture discs holders with care. Damage to the rupture disc holder could affect the performance of the rupture disc.
2. After removing the rupture disc holder from its packing, unscrew the hold down nut and disassemble.
3. Discard the white shipping protector which is between the base and the hold-down.
4. Inspect the seat area for scratches, dents, nicks or dirt. Flaws may adversely affect seating and disc burst pressure.

Existing Holder

1. For ease of installation, carefully remove the rupture disc assembly from GasRam™.
2. Separate rupture disc holder components.
3. Remove the rupture disc from its holder.
4. Inspect the seat area of the rupture disc holder. Look for scratches, nicks, corrosion or deposits left from the media.
5. If necessary, clean the seat area with a dry clean soft cloth.
6. If this does not remove dirt, hand polish the seat area with Scotch Brite, fine emery cloth or #0000 steel wool. **DO NOT MACHINE THE RUPTURE DISC HOLDER!**
7. If scratches, nicks, corrosion or deposits from the media cannot be removed by hand, contact CMC.

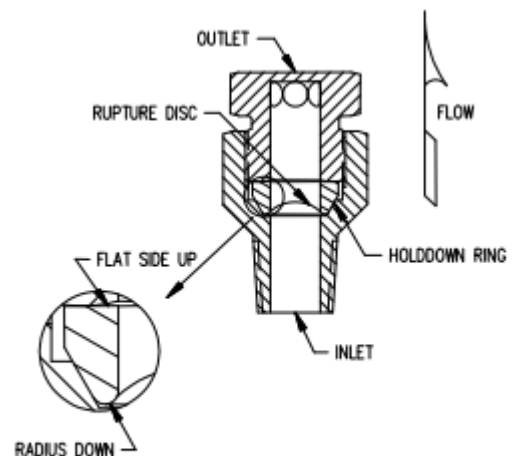
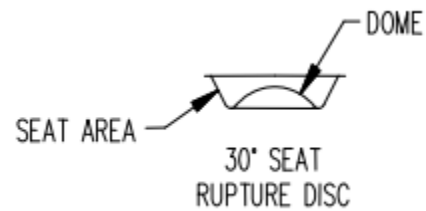


Figure 3 - Screw Type, 30° Seat

WARNING: Inversion of the hold-down ring (installing the ring upside down) may result in unexpected performance characteristics, such as premature opening or increased burst pressures.

Assembly

1. Place rupture disc in the inlet of the rupture disc holder with the dome pointing in the direction of flow.
2. Place the hold-down ring on the rupture disc. Refer to Figure for proper orientation of 30° seat and for proper orientation of that seat.
3. Screw the outlet into place, hand tight.
4. Screw holder hand tight and then ½ turn using a wrench.



Installation

1. If necessary, clean NPT threads on the holder. Wire brushing is usually sufficient. Seal threads with Teflon® tape.
2. Thread screw type assembly into the GasRam™. One half turn past hand tight is recommended.
3. Under normal operating conditions, the rupture disc should be replaced yearly. Severe operating conditions may require that the rupture disc be replaced more frequently.
4. A backup disc should be available at all times.

