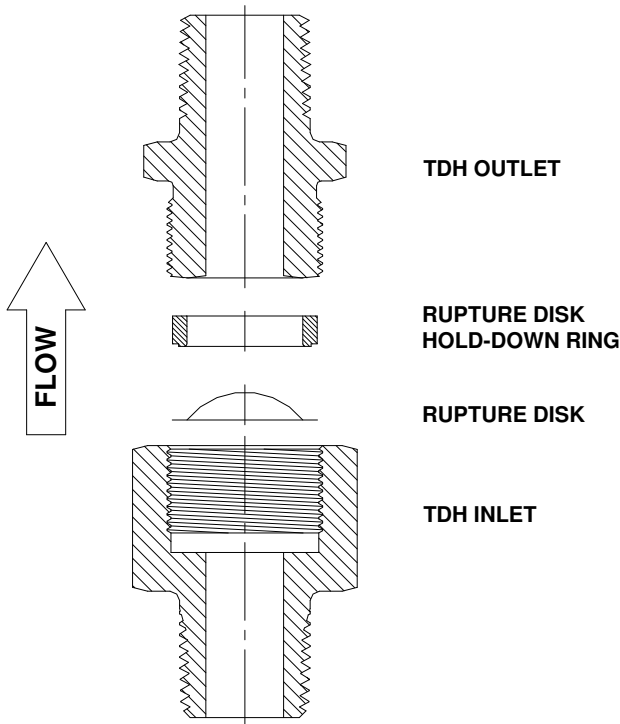


# Installation Instructions for Forward Acting Rupture Disks in Threaded Disk Holders

## TYPICAL INSTALLATION SHOWN



### CAUTION

All rupture disk installations should be located to allow full unrestricted discharge of a burst disk when over-pressure of the system occurs. Never locate a rupture disk installation where the discharge from a burst disk is directly impacting personnel or equipment. Venting of a burst disk discharge must always be routed to a safe disposal area. Handle burst rupture disks carefully! Avoid their sharp, jagged edges when removing same from holder.

### IMPORTANT

A rupture disk is a precision piece of equipment. Handle it with extreme care. Avoid scratching, bending, denting or otherwise damaging the dome and/or flat seat areas of the disk. Handle the disk alone by grasping both the name tag and the flat outer sealing surfaces and avoid the domed area as much as possible. **DO NOT** use Teflon Tape or "pipe

dope" on the internal threads of the Threaded Disk Holder. The unit creates a metal to metal seal to prevent leakage.

## RUPTURE DISK REPLACEMENT

- 1) Remove Threaded Disk Holder (TDH) **only** after verifying that the system is **depressurized**. Always **purge** toxic and/or dangerous materials from any system that is to be opened to a safe disposal area.
- 2) Loosen and remove hold-down ring and ruptured disk
- 3) Thoroughly inspect and clean all seating surfaces within the holder. Do **not** scrape or scratch any seating surface. If wiping these surfaces with a "shop rag", moistened with a suitable solvent, does not remove surface residues, fine emery cloth or steel wool may be utilized. Care should be exercised **not** to exert sufficient pressure on the emery cloth or steel wool to "cut or groove" these sealing surfaces.
- 4) Place a new disk in the inlet side of the holder, dome side facing upward.
- 5) Place the hold-down ring over the disk. The face of the ring that has a radius on the inlet should be placed in contact with the rupture disk.
- 6) Thread the outlet into the inlet, tighten per Table 1 below.

### Recommended Torque Values for Threaded Holder (TDH) Assemblies

The torque values listed below are not absolute requirements but rather general guidelines. The general requirement is that assemblies be tightened until no leakage is detected. The required torque will generally be higher for higher pressure disks.

Disk Type	Average Torque values
STD Family	50 ft-lbs
Composite Family	25 ft-lbs (35 ft-lbs max)
Scored Disks	75 ft-lbs