

Rupture Disk Replacement

The nominal rupture disk burst pressure should be at least 40% higher than the system operating pressure. Rupture disk burst pressure will be reduced by pulsating pressures, elevated temperature, and internal or external corrosion. In corrosive applications, regular disk replacement is necessary. It is recommended that rupture disks be replaced every 12 months from initial date of service. Use of this rupture disk in vacuum or alternating vacuum/pressure applications may cause premature disk failure. When vented, a rupture unit prevents a potential danger caused by noise and escaping pressure, chemicals, or fragmented particles. The complete rupture disk assembly consists of the disk, washer, and holder. Each holder is etched with the nominal burst pressure, and each disk is color coded for identification.

To replace a rupture disk:

1. Remove the holder, disk, and washer from the valve body. Discard the disk and the washer.
2. Holding the disk so that the color code is visible, install a new disk of the appropriate color (Table I).
3. Install a **new** PTFE washer on top of the disk.
Note: A PTFE washer should only be used one time. Replace the PTFE washer every time you remove the holder from the valve body.
4. Install the holder, tightening it according to Table I. Thread-locking adhesive can be used to ensure the holder does not loosen.

Table I: Torque values for rupture disk holders.

Nominal Burst Pressure (psi)	Color Code	Disk Material	Torque (in-lb)	Rupture Disk cat.#	Compatible with cat.#
1,800	Green	316 SS	140	26320	26302 (valve), 26304 (valve), 26318 (tee)
2,850	Black	316 SS	215	26324	26314 (valve), 26316 (valve), 26322 (tee)

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