



ESG Service Information

File In/With:	N/A	SI0035
		New 9-02
Equipment Affected:	YIA Absorption Chillers YPC Absorption Chillers	
Changes in Rupture Disks on Absorption Units		

Due to a recent change in the ANSI/ASHRAE 15-2001 safety standard code, both single-stage and two-stage absorption units built after April 15, 2002 will have a different rupture disk installed .

Two-Stage, “ParaFlow” Units

The new style disks are similar to the old style disks except:

- The rupture disk size will vary according to the model of the unit.
- The disks will have a rupture rating of **7 psig, +/- 2.0 psi.**

Single-Stage “IsoFlow” Units

- All units, whether hot water or steam fired will have a rupture disk installed.
- The rupture disk size will vary according to the model of the unit.
- All disks will be metallic and will be identical to the disks installed on the two-stage units.
- The disks will have a rupture rating of **7 psig, +/- 2.0 psi.**

Please note the new style disks have a lower rupture pressure than the older style disks. Always check the rupture pressure of the disk before pressurizing the unit. If the unit is fitted with the new style disk, the burst tolerance may allow the disk to burst at 5 psig, DO NOT pressurize the unit over 4 psig.

The fit up for relief piping is the same as before; refer to the appropriate unit’s installation instructions for guidance. All disks are one-time usage type; if replacement is necessary, refer to the latest version of the appropriate unit’s renewal parts booklet.

TORQUE VALUES FOR METALLIC DISKS HOLDERS	
Rupture Disk Flange Size	Torque Value (ft. lbs)
1-½" (4 Bolt Flange)	40
2" (4 Bolt Flange)	60
3" (4 Bolt Flange)	80
4" (Old Style, 8 Bolt Flange)	52
6" (Old Style, 8 Bolt Flange)	98