



Bak-Pressure™ Disks

Bak-Pressure disks are an extension of ZOOK's impervious graphite rupture disk design. They provide overpressure protection to equipment within closed piping systems.

ZOOK Bak-Pressure designed rupture disks guard against excess pressure generated in header, manifold, flare, and other common piping systems. They function at specified burst ratings, in specific flow directions, and they withstand back pressures generated from within the header system.

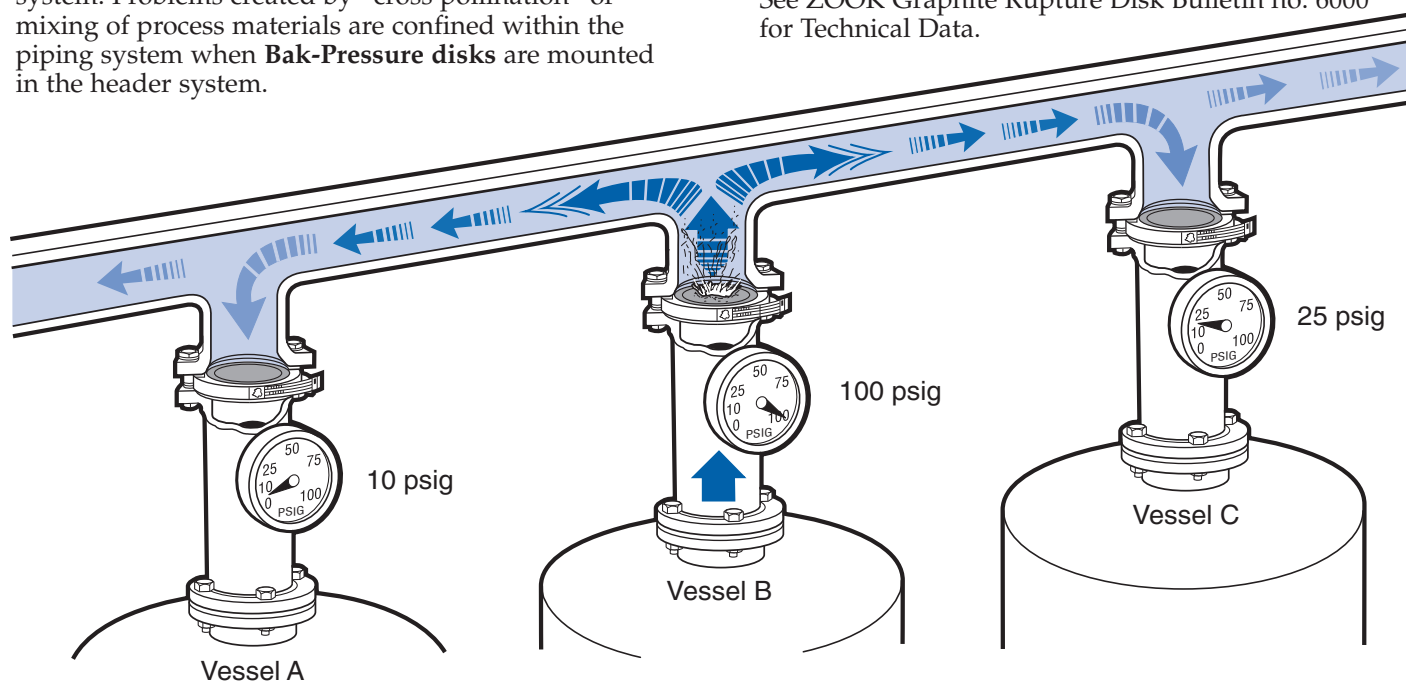
With the use of **Bak-Pressure disks**, a piping system configuration can include varying combinations of vessels or equipment generating various pressure conditions, and all venting into a common piping system. Problems created by "cross pollination" or mixing of process materials are confined within the piping system when **Bak-Pressure disks** are mounted in the header system.

Features

- Bak-Pressure Disks install directly between ANSI Class 150 and 300 flanges with flat or raised faces. (can also be supplied to metric dimensions from 15 to 600 mm)
- Armor is required for added safety, reliable performance, and easy installation. Carbon Steel is standard with 316SS available.
- Burst ratings from 1/4 psig to >1000 psig, depending on diameters.
- Sizes 1/2" thru 24" diameters

Note:

See ZOOK Graphite Rupture Disk Bulletin no. 6000 for Technical Data.



Applications of this design include: use as primary overpressure protection devices on vessels or equipment, or when mounted to the downstream side of relief valves, they provide back pressure and corrosion protection to relief valves.

The illustration shows ZOOK Bak-Pressure designed disks mounted, as primary overpressure protection, on 3 vessels. The disk mounted on vessel B (rated at 100 psig) is shown rupturing, filling the manifold with 100 psig pressure. The **Bak-Pressure designed disks** mounted on vessel A (rated 10 psig) and C (rated 25 psig) is shown withstanding the pressure from within the header.

WARNING

DESIGNERS SHOULD BE AWARE THAT THE PRESSURE IN THE MANIFOLD SHOULD BE TAKEN INTO CONSIDERATION WHEN DETERMINING THE BURST RATING OF THE DISKS WITHIN THE PIPING SYSTEM.

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