



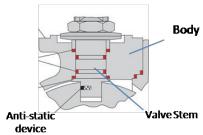
## About Fire-Safe Design

Nº 1029

SVF Fire Safe ball valves are designed to withstand the heat of a petroleum fire and to meet the testing and design standards of API-607 (American Petroleum Institute)

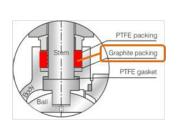
The design intends to address three issues:

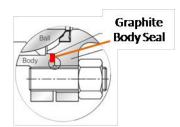
1. To eliminate the initiation or ignition of a fire with the use of anti-static devices. With the valve stem and body not fully grounded due to isolation by the stem seals the anti-static device serves to discharge static build up during the flow of fluids.



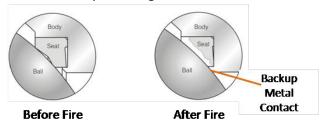
Anti-Static Stem for Fire Safe Ball Valve

2. High temperature graphite-based stem seals and body seals prevent flammable fluids from exiting the pressure containment barrier (Valve body) when heat causes other types of seals to sublimate.





3. The ball-seat interface on the standard fire safe valve has a metal backup seat that limits fluids from flowing downstream when soft seats are destroyed during a fire. See Note



## **Backup Metal Seat Design**

<u>Note:</u> It is important to note that multi-ported valves in a fire safe design cannot ensure the control of flowing fluids due to the extra flow path. Design features #1 and #2 still apply.

12 January 2018

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