



DETONATION
AND FLAME
ARRESTORS

FAV SYSTEMS S.S.
DETONATION FLAME ARRESTOR



PROVEN TO BE THE BEST VALUE, BY PERFORMANCE



100% PROTECTION FROM FLAME PROPAGATION

- * Has been tested and passed for entire flame spectrum with no propagation of flame to the protected side of the Arrestor (USCG Accepted - Type 1)
- * Low, Medium & High pressure deflagrations for Group C & D gases (NEC)
- * Overdriven & Stable detonations for Group C & D gases (NEC)
- * Can be installed anywhere in piping configurations - vertically, horizontally or at any angle desired

FLAME STABILIZATION PROTECTION

Our unequalled design enables our units to achieve a Type 1 USCG burn rating and a Type 2 burn rating for CSA Z343-98 (for more information, please call), giving the product the best burn rating on the market. Complete and comprehensive CSA burn test reports are available upon request. FAV Systems Inc. has spent countless hours, effort and dollars in research, testing and redesigning of our product to achieve this burn rating. We wanted to afford our customer with a greater length of time to react and correct a potentially dangerous condition in the event of a stabilized burn situation, with the Detonation Arrestor being a passive device which will withstand and react to all given situations equally. No other manufacturer can parallel this burn rating.

AFFORDABILITY

- Not only do we offer a product superior in design and performance, but our units are more affordable than units with lesser classifications
- Keep in mind the serviceability and ease of cleaning which translates into future replacement cost savings

**TESTED TO CSA Z343-98
U.S.C.G. ACCEPTED**

**FULLY TESTED
& APPROVED**

**MORE INFORMATION
ON REVERSE SIDE...**

SPECIALIZED IN PREVENTING FUGITIVE EMISSIONS

Contact: 1 (956) 589 8832

www.favsystems.com



FAV SYSTEMS S.S. DETONATION FLAME ARRESTOR



ADDITIONAL INFORMATION

The FAV SYSTEMS S.S. Detonation Arrestor is a passive device that has been designed to prevent the propagation of flame fronts back through transmission lines and piping configurations. When correctly installed, the devices will extinguish flame fronts traveling in either direction to or from vapor destruction units and/or storage facilities.

Basically all flame arrestors and detonation arrestors work on the same theory - that is to disperse and cool the flame front simultaneously to a temperature below the ignition point of the gas or vapor contained in the system.

The FAV SYSTEMS S.S. Detonation Arrestor employs a completely distinct concept in the internal design and construction when compared to standard engineering practice and technology used by other manufacturers. By utilizing this fundamental new approach, FAV Systems. Is able to offer and provide a superior system which will perform at standards unequalled and unparalleled by any competitors. By engaging a diverse series of stainless steel grid assemblies combined with our practically indestructible Alumina Ceramic flame cell media, we can offer the ultimate protection available.

FAV Systems Inc. is considered the "New Kid on the Block", but we are fast becoming recognized as an industry leader in the research and development of specialty oilfield equipment, and our name is synonymous with quality products at competitive prices.

CLEANING & INSPECTION

* Inspection ports allow easy access for inspection and cleaning. This feature makes regular servicing of the units simple and trouble-free. Generally the cell element can be cleaned through these cleaning ports with a high pressure washer (700-1,000 psig). This removes all surface build-up on the element. This function can be performed a number of times until it is no longer effective. At that time, the complete flame cell assembly can be entirely removed for cleaning if extremely fouled. Once removed, the element can be dismantled by qualified personnel and reconditioned to like-new condition. This cell design is so sturdy that it can be sandblasted to be cleaned if circumstances dictate. These features are of particular benefit to the end user because the cell can always be reconditioned (not a throw away item) at minimum cost, saving replacement expenditures in the future.

* The FAV SYSTEMS S.S. Detonation Arrestor employs the use of Alumina Ceramic Media for flame quenching. This quenching media is contained and maintained in position by a rugged grid system on both sides. When the media is removed, from the element, it leaves a cavity between the two grid assemblies. These grid assemblies are each only 1" or 1.5" thick, thus facilitating easier cleaning because the quenching channels to be cleaned are only 1" or 1.5" long. In addition, the Alumina Ceramic Media is totally resistant to corrosion and breakdown and can be easily cleaned to new condition.

ADDITIONAL TESTING

The FAV SYSTEMS S.S. Detonation Arrestor has met and exceeded all standards set out by the new proposed CSA Z343-98 to go along with U.S. Coast Guard Acceptance.

FAV Systems Inc. Has been instrumental as an active advocate for the implementation of more stringent standards, guidelines and specifications for all oilfield equipment, wherever it may be used. We are also working in coordination with other manufacturers, regulatory standards associations, and a host of concerned consumer groups, as members of a current task force assembled for the sole purpose of defining a standard and protocol for the Certification of Detonation Flame Arrestors to be installed in Canada.

SPECIALIZED IN PREVENTING FUGITIVE EMISSIONS

Contact: 1 (956) 589 8832

www.favsystems.com