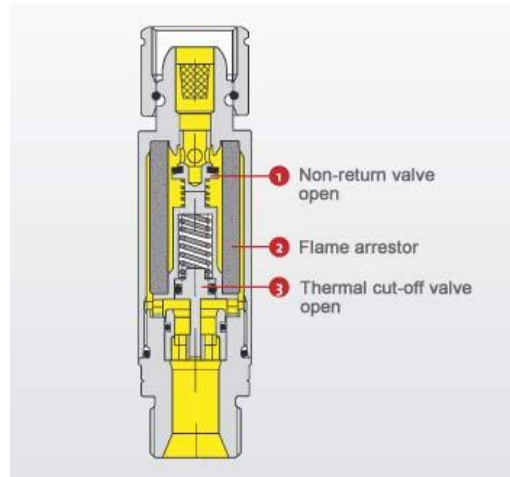


Flashback Arrestor Testing
Testing of existing Flashback Arrestors to
comply to EN 730-1 / ISO 5175 Standards.



INTRODUCTION:

Flashback Arrestors (FBAs) properly fitted and maintained are an important safety device in oxygen - fuel gas applications. They are only effective for the designed purpose if their performance is within the design specifications. Flashback arrestors that are not performing to the manufacturer's specifications may, in fact, cause problems. Therefore, it is important that flashback arrestors are tested regularly to ensure their continued safe and effective operation.

DESCRIPTION:

The Ibeda FBA testing machine simply and quickly tests all common makes and models of flashback arrestors for through flow - to ensure the unit maintains the correct flow rate to operate efficiently and reverse flow - to ensure the non-return valve is operating correctly.

REQUIREMENTS:

It is the responsibility of the employer/owner/operator to ensure that Flashback Arrestors are fitted to all oxy/fuel plants and comply to the manufacturer's standard and NZ Health and Safety requirements.

Manufacturers are required to ensure that the FBA is manufactured and tested to the design, used for the purpose for which it is designed, that its installation, use, adjustment, maintenance, repair, cleaning and dismantling will not cause harm to any person.

Manufacturers, Suppliers and Sellers of flashback arrestors shall provide clear and comprehensive information to the purchaser or user concerning the use for which the FBA was designed, manufactured and tested and information on its correct installation, use, adjustment, maintenance, repair and any other relevant matters.

FBAs must be tested annually by a qualified technician, with a FBA Testing device which is manufactured and approved by a FBA manufacturing company.

Standards for Flashback Arrestors:

AS 4603-1999	"Testing on Flashback Arrestors in service shall be carried out at a minimum interval of 12 months."
AS 1674.1 1990	"The use of Flashback Arrestors is recommended"
AS 4267-1995	"Flashback Arrestors should be attached to regulators in Oxy-Fuel applications"
AS 4289-1995	"Flashback Arrestors shall be installed immediately downstream of each of the following: a) Regulator, for regulated outlet points. b) Isolation valve, for non-regulated outlet points." 6.3.2 Twelve Monthly Maintenance "Proper functioning of the non-return valves and flashback arrestors shall be checked."
AS 4839-2001	"Optimum protection is provided when at the blowpipe end a flame arrester and a non-return valve for each gas line is fitted, and at the regulator end a flame arrester, a non-return valve and a temperature activated cut-off valve for each line is fitted."

Testing Carried out by:

DIGITALWELD
J.D.M Holdings Ltd