



# Flash Arrestors

## Model 6103A and 6104A Series Flash Arrestors



6104A Model



6103A Model

- Prevents dangerous flashbacks
- Meets OSHA requirements
- U/L listed and meets 1505175 Class 1, EN730, BS6158 an AS4603 standards

### Description

The Series 6103A and 6104A Flash Arrestors should be used in applications involving flammable gases. Both the 6103A and 6104A Series are dry type flashback protection devices, featuring high purity materials and design.

The Model 6103A Series is constructed of brass and neoprene with a stainless flame barrier, and is ideal for protecting fuel systems in laboratory applications.

The Model 6104A Series is constructed of stainless steel, Teflon, and Viton, and is designed for use in high purity flammable gas applications.

Both the 6103A and 6104A Series Flash Arrestors may be used with the following gases:

Gas	Max. Operating Pressure**	
Acetylene	15 psig	<b>WARNING:</b> <b>Flash Arrestors should not be used with Silane or Nitrous Oxide</b>
Natural Gas	50 psig	
Oxygen	143 psig	
Propane	50 psig	
Hydrogen*	50 psig	

**\*Notes on the use of the 6103A and 6104A Series Flash Arrestors with Hydrogen:**

1. Tests have proven that the 6103A and 6104A Series Flash Arrestors provide excellent flashback protection in situations in which air accidentally enters the hydrogen system and a flashback results.
2. However, these Flash Arrestors should not be used in installations where it is possible for pure oxygen to enter the hydrogen system.

**\*\*See individual model number labels and instructions for full listing.**

### Design Features

- Provides positive shut-off of gas and checks the reverse flow of gas under most conditions
- Extinguishes flame within the housing which prevents the flame front from reaching the gas suppl.
- Reusable – can be reset and reused after a flashback occurs (maximum of three (3) times recommended)
- Stainless steel version does not require reset
- Helium Leak Rate certification available

### Specifications

	6103A	6104A
Body:	Brass	316 Stainless Steel
Seat:	Neoprene	Viton A
"O" rings:	Neoprene	Viton
Internal parts:	Brass and Steel	Stainless Steel
Max. service pressure:	(see gas list)	
Weight:	2 lbs	
Leak Rate:	Bubble Tight	2 x 10 <sup>-8</sup> cc/sec He

### Ordering Information

Model No.		Inlet Connection	Outlet Connection
6103A-F	Flammable	1/4" NPT F	1/4" NPT F
6103A-FL	Flammable	9/16"-18 LH F	9/16"-18 LH M
6103A-O	Oxidizer	1/4" NPT F	1/4" NPT F
6103A-OR	Oxidizer	9/16"-18 RH F	9/16"-18 RH M
6104A*	Both	1/4" NPT F	1/4" NPT M
6104A-V4M <sup>‡</sup>		1/4" VCR M	1/4" VCR M

\*Flash Arrestor ships with labels for flammables and oxidizers for the user to install

<sup>‡</sup>Male VCR x 1/4" NPT, threaded and teflon taped