



## Flash Arrestors

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### Model 6103A and 6104B Series Flash Arrestors



Model 6103A



Model 6104B

- Prevents dangerous flashbacks
- Meets OSHA requirements
- Model 6103A: UL listed and meets ISO 5175, EN 730, BS 6158 and AS 4603 standards
- Model 6104B: Meets DIN EN ISO 5175-1 standard and BAM Certified

#### Description

The Series 6103A and 6104B Flash Arrestors should be used in applications involving flammable gases. Both the 6103A and 6104B 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 6104B Series is constructed of stainless steel and Buna-N, and is designed for use in high purity flammable gas applications.

The 6103A and 6104B Series Flash Arrestors may be used with the following gases at the listed pressures:

Gas	Max. Operating Pressure		<b>WARNING:</b> <i>Flash Arrestors should not be used with Silane or Nitrous Oxide</i>
	6103A	6104B	
Acetylene	15 psig	21 psig	
Natural Gas	50 psig	72 psig	
Oxygen	143 psig	362 psig	
Propane	50 psig	72 psig	
Hydrogen/ Air*	150 psig	58 psig	
Hydrogen/Oxygen*	50 psig	N/A	

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

1. The 6103A and 6104B Series Flash Arrestors provide flashback protection in situations in which air accidentally enters a hydrogen system and a flashback results.
2. The 6103A Series Flash Arrestor provides flashback protection in situations in which pure oxygen accidentally enters a hydrogen system and a flashback results.

#### 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 supply
- Reusable – can be reset and reused after a flashback occurs (maximum of three (3) times recommended)
- Stainless steel version does not require reset

#### Specifications

	6103A	6104B
Body:	Brass	316 Stainless Steel
Seat:	Neoprene	Buna-N
"O" rings:	Neoprene	Buna-N
Internal parts:	Brass and Steel	316 Stainless Steel
Max. service pressure:	(see gas list)	(see gas list)
Weight:	1 lb	1 lb
Leak Rate:	Bubble Tight	1 x 10 <sup>-5</sup> scc/sec

#### 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
6104B-F	Flammable	1/4" NPT F	1/4" NPT M
6104B-O	Oxidizer	1/4" NPT F	1/4" NPT M