



FLASHBACK ARRESTORS



FG-7 Flashback Arrestor

The new 8491 Series re-settable flashback arrestors offer 4 safety devices in each unit. Safety features include protection against flashbacks with a wide range of mixtures of oxygen or air with flammable gases including hydrogen, acetylene, methane, and LPG gases. The design includes a built-in non-return (check) valve to stop reverse flow and a thermal shut off which stops gas flow in the event of a hose or pipe line fire. An easily re-settable pressure control stops gas flow in the event of reverse flow or a flashback that creates 10 psig back pressure. This feature alerts the user that a reverse flow or a flashback of greater than 10 psig has occurred. These units are easily re-set by pulling up on the pressure control ring, no disassembly of the gas line or special tools are needed. The 8491 Series high flow capacity makes them suitable for a broad range of applications (see flow table). Units are U/L listed and meet ISO 5175, EN 730, BS 6158, and AS 4603 standards.

CATALOG	MODEL
18B001-0000	0-6
18B001-0001	Rebuild 0-6
18B002-0000	FG-7
18B002-0001	Rebuild FG-7

Carlisle Machine Works, Inc.,
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**Flash Back Arrestor
18B-**



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18B**

FEATURES

100% flashback tested after assembly
U/L listed and meets strict international standards

- Working Pressure
- Acetylene @15.0 psig
- Hydrogen/oxygen @50.0 psig
- Hydrogen/air @150.0 psig
- LPG @50.0 psig
- Oxygen @143.0 psig

- Automatically re-sets for flashbacks and reverse flow below 10 psig
- Alerts user by shutting off gas flow in the event of a reverse flow or flashback exceeding 10 psig back pressure (captures back pressure in the housing, no flame or gas is exhausted to the atmosphere)
- Stainless steel flame barrier positively extinguishes flame within the housing
- Stainless steel flame barrier positively shut-off of reverse flow over 10 psig
- Thermal cut-off
- Built-in 100 micron stainless steel sintered filter on inlet
- High flow capacity

MATERIALS OF CONSTRUCTION

- Body: alloy 360 brass
- Internal: brass
- Flame Barrier: stainless steel
- Elastomers: Neoprene

FLOW PERFORMANCE

Inlet Pressure PSIG	Air Flow SCFH
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.5	1933.0

WORKING PRESSURE (U/L)

Gas	Pressure PSIG
Acetylene	15.0
Hydrogen/oxygen	50.0
Hydrogen/air	150.0
Methane/LPG	50.0
Oxygen	143.0

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