



SWSI

Southern Welding Systems International LLC

Welding | Industrial | Safety

International Wholesale Distribution

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WESTERN FLASHBACK ARRESTORS—OXY/FUEL GAS

Welders rely on Western's advanced Flashback Arrestors to help prevent serious incidents caused by reverse gas flows or flashbacks. Western's Flashback Arrestors are designed to stop flashbacks by preventing ignition of mixed gases and to protect equipment such as hoses, regulators and cylinders.

FEATURES AND SPECIFICATIONS

- Color-coded for gas service to provide added safety—oxygen (green), fuel gas (red)
- Internal check valves designed to prevent reverse flow and accidental mixing of oxygen and fuel gases
- Maximum operating pressures are 15 PSIG for acetylene, 22 PSIG for other fuel gases, and PSIG for oxygen
- Rated capacity of 40 SCFH with a 5 PSIG pressure drop
- Torch and Regulator models provide downstream and upstream protection
- 10" maximum cutting capacity
- Reusable; manual resetting not required
- UL listed and 100% tested
- Complete installation, testing and operating instructions included
- Safe-Mate models feature quick connect design for quick and easy installation and disconnection

PART NO.	DESCRIPTION	COMPONENTS
FLASHBACK ARRESTOR SETS		
FA-10*	Flashback Arrestor Set, Torch Style	FA-100P, FA-200P
FA-30*	Flashback Arrestor Set, Regulator Adaptor Style	FA-130P, FA-230P
FLASHBACK ARRESTOR COMPONENTS		
FA-100P	Flashback Arrestor, Oxygen, Torch Style	
FA-200P	Flashback Arrestor, Fuel Gas, Torch Style	
FA-130P	Flashback Arrestor, Oxygen, Regulator Adaptor Style	
FA-230P	Flashback Arrestor, Fuel Gas, Regulator Adaptor Style	

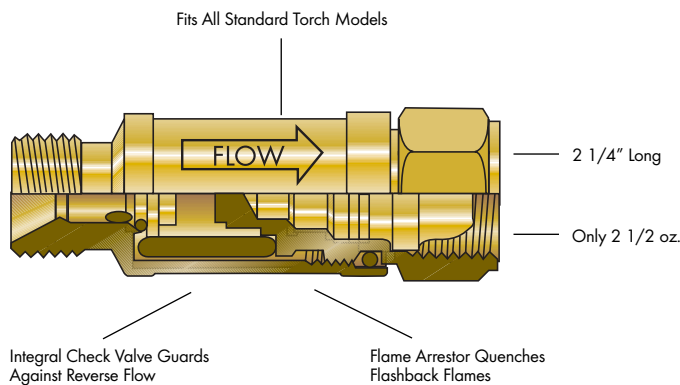
FLASHBACK ARRESTORS
B-SIZE, 9/16" - 18

FA-30 SET

*Sold in retail clamshell packaging

SAFEMATES—QUICK CONNECT SETS WITH BUILT-IN FLASHBACK ARRESTORS

PART NO.	DESCRIPTION
QDF10	Torch-to-Hose Set w/Check Valves (Oxy/Fuel Gas)
QDF30	Regulator-to-Hose (Oxy/Fuel Gas)



RESPECT WELDING EQUIPMENT

- A 2" diameter balloon filled with mixed welding gases has the explosive power of an M-80 firecracker.
- A 9" diameter balloon filled with mixed welding gases has an explosive power of 90 times greater than one M-80.
- The mixed gas in 100 feet of 1/4 inch hose is enough to fill a 9" diameter balloon.
- Mixed Oxygen/Acetylene explosions travel at the rate of 5000 feet per second.


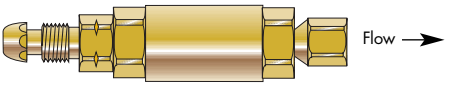
WESTERN FLASHBACK ARRESTORS—BODIES & CGA ASSEMBLIES

Flashback Arrestor Bodies and Assemblies are available for special applications. Flashback Arrestor Bodies consist of 1/4" F and 1/4" M NPT connections. Assemblies for Adaptors and Pigtails consist of standard CGA connections on both the inlet and outlet sides of a Flashback Arrestor Body. Western also offers assemblies with ball seat check

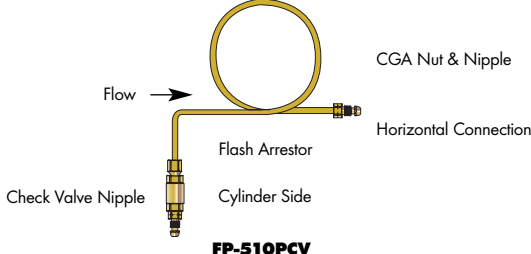
valves for the inlet side of the Flashback Arrestor Body.

Flashback Arrestor Bodies extinguish flashes or flames before they reach the cylinder. Flashback Arrestor Assemblies are designed for installation on acetylene cylinders to prevent flashbacks into the cylinder.

These Flashback Arrestor Bodies/Assemblies can be used in any lead not exceeding 3/8" pipe size which connects an acetylene cylinder to a regulator, manifold or other equipment. Rated flow capacity is 40 SCFH with a 5 PSIG pressure drop. These units are factory assembled and 100% tested for service.

FLASHBACK ARRESTORS—BODIES CGA ADAPTOR ASSEMBLIES  Pressures to 500 psig FA-2CV  CGA-510 Nut & Check Valve Nipple CGA-510 Cylinder Valve FA-510CV	PART NO.	DESCRIPTION
	ARRESTOR BODIES	
	*FA-2	1/4" NPT Female x 1/4" NPT Female
	*FA-2CV	with Female Inlet Nut Check Valve
	*FA-3	1/4" NPT Female x 1/4" NPT Male
	*FA-3CV	with Female Inlet Nut Check Valve
FLASHBACK ARRESTOR W/ADAPTOR ASSEMBLIES		
	*FA-300	CGA-300 Commercial Acetylene
	*FA-300CV	CGA-300 Commercial Acetylene w/Inlet Check Valve
	*FA-510	CGA-510 POL Acetylene
	*FA-510CV	CGA-510 POL Acetylene w/Inlet Check Valve

*U.L. listed

PART NO.	W/CV	DESCRIPTION	SERVICE	MANIFOLD PIGTAIL WITH FLASH ARRESTOR  CGA Nut & Nipple Horizontal Connection Flash Arrestor Cylinder Side Check Valve Nipple FP-510PCV
FP-510	FP-510CV	Horizontal, 24" length	CGA 510, POL Acetylene	
FP-510P	FP-510PCV	Horizontal, 18" length	CGA 510, POL Acetylene	

Please Note: Using Flashback Arrestors w/Check Valves as a precaution to avoid potentially dangerous situations is not a substitute for careful handling or strict adherence to safety rules and procedures for handling high pressure gases. Users should not tamper with the internal components of a Flashback Arrestor. Flashback Arrestors cannot be cleaned or refilled after any flash in the system. They must be replaced if the pressure drop through the Arrestor reaches 10 PSIG or more at a rated capacity of 40 SCFH.