

Flashback Arrestors

FEATURES & BENEFITS:

- Built-in check valve prevents the reverse flow of gas
- Requires no manual reset
- Easy to install - attaches to standard "B" fittings
- High quality brass construction, case is rugged and corrosion resistant
- Sintered stainless steel filter stops flashback fire
- UL Listed



H753



What is a flashback?

A flashback is an ignition of mixed gases in an oxy-fuel cutting and welding system.

Are flashback arrestors and check valves the same?

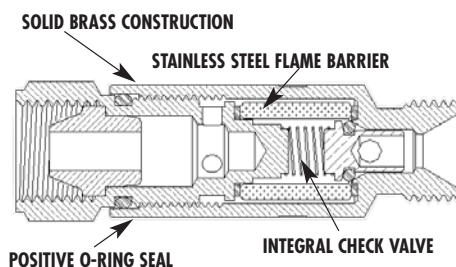
No. A check valve stops the reverse flow of gas; a flashback arrestor extinguishes a flashback fire. Smith's flashback arrestor with built-in check valve does both.

Why do I need a flashback arrestor?

Mixed gas explosions and flashback fires can result in damage to equipment and/or severe personal injury or death. Smith flashback arrestors with built-in check valves help prevent accidents caused by the reverse flow of gases and flashback fires.

What is the minimum pressure required to allow gas to flow through the flashback arrestors?

The built-in check valve requires a minimum of 2 psi to open allowing gas to flow through.



NOTE: Smith Equipment cannot accept return of check valves or flashback arrestors as return shipping may compromise their performance capabilities.

REGULATOR MOUNT For use with CGA "B" male fitting.

Stock No.	Gas
H753	Oxygen & Fuel Gas Pair

TORCH MOUNT (HIGH FLOW)

Stock No.	Gas
H743	Oxygen & Fuel Gas Pair

PRESSURE SETTINGS

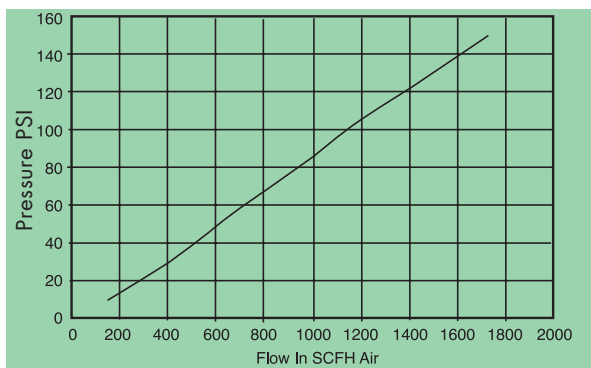
CAUTION: Flashback arrestors will contribute to significant pressure drop in a system, causing reduced flow. Pressure increase may be required to maintain equivalent flow rates after installing flashback arrestors in an oxy-fuel system.

CAUTION: DO NOT exceed 15 PSIG with acetylene gas.

NOTE: Flashback Arrestors should be tested and inspected on a regular basis.

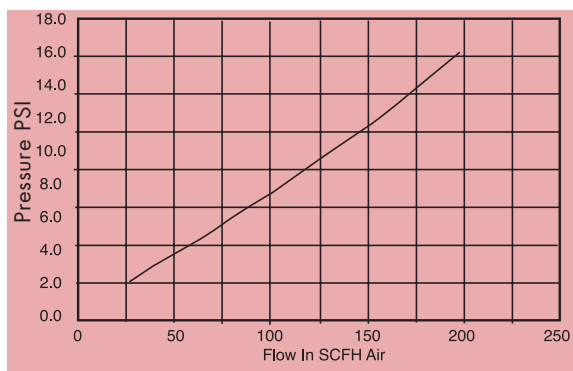
Oxygen Flow Capacity

Oxygen Flash Arrestors



Fuel Flow Capacity

Fuel Flash Arrestors



GASAVER™ - Save Money, Save Time & Improve Safety

Ideal for production brazing and welding applications, Smith's GASAVERS™ can help you realize huge savings by eliminating wasted gas during torch start-up / shut-down and between flame applications. Also saves time by eliminating repeated torch adjustment. The GASAVER™ gives you a safe place to temporarily put your torch and is used by America's largest production plants. Torch flame is automatically extinguished when torch is not in use. Simply pass torch over pilot flame to re-light.

WDW100

Standard GASAVER™ for use with MAPP® or propylene gas and oxygen.

WDW101

For general use on all types of acetylene and oxygen operations. GASAVERS™ can be installed in any convenient location on the line between regulators and torch. The closer the torch, the greater the savings in oxygen and acetylene.

WDW103

Equipped with separate pilot fuel inlet for use with low pressure gas with injector type torches. Separate source of high pressure pilot gas required. May also be used with hydrogen gas, however propane or natural gas is recommended to supply the pilot light.

WDW104

Standard GASAVER™ equipped with Pilot Light for use with propane or natural gas at 2 PSI or more.



- **UL Listed**
- **Made In USA**
- **1-Year Warranty**

NOTE: Contact factory for pilot options available for alternate fuels.

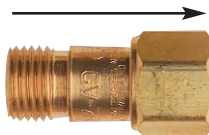
Reverse Flow Check Valves (NWSA 270)

Reverse flow check valves are an important part of any oxy/fuel system. Without check valves, reverse flow of oxygen and fuel gases can occur when a tip becomes clogged, or when one cylinder empties during use allowing the higher pressure gas to back up into the other hose and into the regulator, thereby creating conditions which could lead to a regulator explosion. Smith's reverse flow check valves close automatically when outlet pressures drop below 1/2 PSIG, preventing reverse flow of gases.

Gas Flow Direction →



Regulator Connection Style
(Attach To Regulator Outlet Fitting)



Torch Connection Style
(Attach To Torch Handle)

REVERSE FLOW CHECK VALVES

Stock No.	Gas Used	Inlet Connection	Outlet Connection
Regulator Mount			
H698	Pair	9/16"-18 LH & RH Internal	9/16"-18 LH & RH External
Torch Mount			
H697	Pair	9/16"-18 LH & RH External	9/16"-18 LH & RH Internal

NOTE: Check valves should be replaced on a regular basis.

NOTE: Smith Equipment cannot accept return of check valves or flashback arrestors as return shipping may compromise their performance capabilities.

Smith Reverse Flow Check Valves, Available In 3 Styles

- H698 check valves attach directly to the existing regulator outlet fittings
- H697 check valves attach directly to torch handle



"O" RING REPLACEMENTS

Stock No.	Use with Welding/Heating Tips/Cutting Assemblies
AW15	AW Series Welding Tips / AT Series Heating Tips / AC309 Cutting Assembly / NE180 Series Air-Acetylene Tips
MW15	MW Series Welding Tips / MT Series Heating Tips / DG109A, MC509, MC505 & CC509P Cutting Assemblies
LW15	SW Series Welding Tips / ST Series Heating Tips / DG209, DG205, DG200, SC209, SC205, SC200 Cutting Assemblies

NOTE: 25 per package.

HAND CUTTING TORCH REPAIR KITS

Stock No.	Use with Torches
15772	DG900 Series
SC100	DG100, 200 & 300 Series; SC100, 200 & 300 Series

CUTTING ASSEMBLY REPAIR KITS

Stock No.	Use with Cutting Assemblies
SC101	Heavy Duty DG200 & SC Series
MC101	Medium Duty DG100 & MC Series

THE LITTLE TORCH™ VALVE ASSEMBLY & PACKING REPLACEMENTS

Stock No.	
7345	Oxygen Valve Assembly
7346	Fuel Valve Assembly
7348	Teflon® Packing for Valve Assembly (for Oxy and Fuel Valves)

TORCH VALVE REPLACEMENTS

Stock No.	Use with Torch Handles & Hand Cutting Torches
LW17	WH100, MW5, MW5A, CW5A & AW10A
G729-5A	WH200, SW1, SW1A, SW1B Series, 780 Series Machine Torch
AW11A	AW1 & AW1A
LW14B-1	DG900, DG200, SC200, SC900 Series Hand Torches, 770 Series Machine Torches

TORCH HEAD REPLACEMENT NUT

Stock No.	Use with Cutting Assemblies
G690-8	MC509, CC509P, AC309, MC505
G900-41A	Use with All SC Series Hand and Machine Torches & Cutting Torch Assemblies SC900 Series, SC772A, SC782A, SC781A, SC780A, SC771, SC770, SC509, SC300 Series Torches, SC200 Series Torches, SC100 Series Torches, SC200 Cutting Assembly
15555	Use with All Heavy Duty Dual Guard Hand Torch & Cutting Assemblies DG900 Series, DG209 Cutting Assembly, DG205 Cutting Assembly, DG300 Series, DG200 Series, DG100 Series
15720-1	Use with DG109A Cutting Assembly DG109A

Repair Parts



SC100



SC101



7345

7348

7346



**G729-5A
LW14B-1**

LW17

AW11A



**CUTTING TIP SEAT GRAFITITE®
PACKING REPLACEMENTS
(1 SET PER BAG)**

Part No.	
G691	"MC" Cutting Tips
G930	"SC" Cutting Tips



**TORCH HEAD
REPLACEMENT NUT**

Hard Hat™ Regulator Guards



Protect regulators from costly gauge replacement with Smith's Hard Hat™ gauge guards. Promotes safety . . . designed to help prevent broken gauges which can lead to gas leaks. Time and cost savings . . . helps prevent costly equipment down time and expensive repairs.

HB190 Hard Hat™ is made from rugged steel. Bright yellow, baked enamel finish. Quickly and easily attaches to regulator. **Fits:** HB1500 and HB2100 series brass regulators.

H195 Hard Hat™ is formed from impact-resistant Lexan™ resin, an extremely tough, durable poly-carbonate. Bright safety yellow finish. **Fits:** Series 30™ and 1700 Series single stage regulators.

NOTE: Will not work with inert gas cylinders.

H197 Hard Hat™ is formed from impact-resistant Lexan™ resin, an extremely tough, durable poly-carbonate. Bright safety yellow finish. **Fits:** Series 30™ two stage regulators.

NOTE: H197 will not fit 1400 Series two stage regulators.

ACCESSORIES

Stock No.	Description
N230	Cylinder Wrench
N250	Tip Cleaners (Sharp Point Spirol)
N108ANB	Goggles
N113ANB	Flint Lighter (N113-3 Replacement Flints) (5 per pkg.)
NE135B	Two-Hose Manifold - Oxygen "B" Connections
NE136B	Two-Hose Manifold - Fuel "B" Connections
13493	Caddy Carrier w/Hose Wrap & Storage Compartment for MC Acetylene and 20 cu. ft. Oxygen cylinders.



N230 Cylinder Wrench



**NE135B
2-Hose Manifold**



N108ANB Goggles



**13493
Torch & Cylinder
Carrier**



N250 Tip Cleaners



N113ANB Lighter

Accessories



Safety Training Materials



SMITH SAFETY PACK

Order Form #5145 w/DVD

This kit includes:

- 30 - "37 Violations Safety Quiz" Brochures
- 30 - Safety Meeting Guides (in English, French & Spanish)
- 1 - 41 minute Oxy-Fuel Safety Video
(see description and photos below)
- 1 Set Of 6 Smith Cartoon Safety Posters - 17-1/2" x 24"
(see description and photos below)
- 1 Each post safety video test and answer key
(may be duplicated)

Smith literature and safety training materials may be ordered directly online, visit www.smithequipment.com and use the "Lit. Request" link.

VM-6

Safety Video
6-Pack Counter
Display (DVD)



Oxy-Fuel VHS
Safety Video
Form 4875

Oxy-Fuel
Safety DVD
CD Form 4911
DVD Form 5127

OXY-FUEL SAFETY VIDEO

Don't take chances on safety! Learn safe cutting and welding practices with Smith Equipment's Oxy-Fuel Safety Video; also available on CD or VHS. This comprehensive 41-minute video takes you step-by-step through proper set-up and use of oxy-fuel cutting, welding, brazing and heating equipment. The video includes information on important procedures and equipment that can increase on-the-job safety. Ideal for schools, sales training, welder safety courses, refresher courses.

***NOTE:** Spanish Video (VHS) Form 4553



SMITH SAFETY POSTERS

These colorful, full-size posters carry important messages about oxy-fuel safety. Perfect for schools, showrooms, fabrication shops, repair centers, anywhere oxy-fuel equipment is used.

Form-4566

Set of six posters, each poster 17-1/2" x 24".

Form-3053

Six on one poster.



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