

Flashback Arrestors

In-Line and Point of Supply

The Gas Innovations series of Flashback Arrestors provide a full range of dry type flashback, reverse flow and burn back protection in a compact economical easy to install single unit. These arrestors are ideal for high flow application of fuel gases and oxygen with either ¾" NPT or 1" NPT connections. The Flashback Arrestors are ISO 5175 certified and conform to OSHA, NFPA , ANSI Z49 and UL standards.



**RF 85-20
Model**



**RF 85-30
Model**

Safety Elements Benefits

Large surface area Flame Arrestor **FA**

Stainless steel construction extinguishes any dangerous flashback entering the device in any direction .

Temperature sensitive Thermal Cut-off Valve **TV**

Extinguishes sustained flashbacks long before the internal temperature of the arrestors reaches a dangerous level .

Spring loaded Non-Return Valve **NV**

Prevents slow or sudden reverse gas flow forming explosive mixtures in the gas supply

Operation / Usage

Flashback Arrestors are used to protect gas cylinders and pipeline outlet points against dangerous reverse gas flow and flashbacks . For pipeline outlets and single cylinders with high users Flashback Arrestors may be mounted in any position /orientation

Maintenance

Annual testing of the non-return valve, body leak tightness and flow capacity is required.

See Special Test Equipment 722/743 data sheet.

Flashback Arrestors are only to be serviced by the manufacturer

Materials of Construction

Body-**Brass**

Flame Barrier Filter-**Stainless steel**

Elastomer Seals-**Viton(EDPM)** for fuel gas-Propylene

Elastomer Seals-**Neoprene(NBR)** for oxygen/air

Approvals and Conformance

Company certified according to ISO 9001:2000, ISO 14001

ISO 5175 , PED 97/23/EC module H

CE-marked, BS 6158, UL 1357

Conforms to NFPA 51 and OSHA requirements for pipeline use with addition of safety relief valve GIWSV805

High Capacity Flashback Arrestors and Relief Valves

Part Number	Description
	Flashback Arrestors
	Style RF 85-20
GIW8520PPL	Propylene Fuel Gas ¾" NPT
GIW8520OPL	Oxygen/Air ¾" NPT
	Style RF 85-30
GIW8530PPL	Propylene Fuel Gas 1" NPT
GIW8530OPL	Oxygen/Air 1" NPT
	Safety Relief Valves SV 805
GIWSSV805	75 PSIG ¾" NPT
GIWSSV805A	½" NPT Adaptor for Venting

Air Flow Table Cubic Feet per Hour (SCFH)

PSIG*	22	37	73	146
GIW85-20	1900	2620	5200	9850
GIW85-30	3060	4350	8670	16150

•Within safe operating pressure of selected gas