

REGULATOR & TORCH SAFETY ACCESSORIES

In Line and Point of Supply

The (SIMAX) Flame Tech Flash Arrestor series provide a full range of dry type (no water or fluid to check or replenish) flashback, gas reverse flow, and hose burn back protection in a compact economical package. SIMAX series flashback arrestors are approved safety devices under ANSI Z49. 1999 safety guidelines and help meet OSHA, NFPA, and other strict industry safety standards (see listings of approvals and specifications below). They are ideal for high volume gas flow applications in pipelines and manifolds.

SIMAX-3 Complete with Relief Valve

(Part# 0901-3010)

High Flow in line Flash Arrestor with 75 psig relief valve. Inlet is 1" NPT and outlet is (right angle) 1/2" NPT. The relief valve is threaded for 1/2" NPT (pipe away relief). Position of the relief valve and outlet can be reversed. Wt. 7.5 lbs

Approval & Specifications

U/L Listed 23Y5, ISO 5175, BS 6158, EN 730 (BAM / DIN), AS 4603

SAFETY ELEMENTS

Inlet filter (100 micron).....YES
Reverse Flow Check Valve....YES
Flame Barrier.....YES
Thermal Cut Off Valve.....YES

MATERIALS

BODY: Brass, Alloy 360
INTERNALS: Brass
FLAME BARRIER: Stainless Steel
ELASTOMERS: Neoprene (NPR)

Note: For Flame Spray applications use SIMAX-5 Series.

Flash Arrestor Fuel Gas
only use part # 0901-03000

SIMAX-5 SERIES



SIMAX-5 Flash Arrestor
(Fuel Gas Part # 0901-5000)
(Oxygen Part # 0901-5001)



Relief Valve only # 0901-3007
Required by NFPA 51 FOR FUEL GAS

High Volume in line Flash Arrestors and Relief Valves

PART #	DESCRIPTION
0901-3000	Fuel Gas, 1" NPT, SIMAX 3 Style
0901-3001	Oxygen, 1" NPT, SIMAX 3 Style
0901-3007	Propylene, Pipe-away "T" Relief Valve (75psi), SIMAX 3 Style
0901-3010	Fuel Gas, Flash Arrestor with attached Relief Valve, 1" NPT, SIMAX 3 Style
0901-3011	Oxygen, Flash Arrestor with attached Relief Valve, 1" NPT, SIMAX 3 Style
0901-5010	Fuel Gas, Flash Arrestor with Relief Valve, 1" NPT, SIMEX 5 Style
0901-5011	Oxygen, Flash Arrestor with Relief Valve, 1" NPT, SIMAX 5 Style

AIR FLOW TABLE (FT³ /h)

PSIG	21.9	36.5	73	145.9	286
BAR	1.5	2.5	5	10	20
SIMAX-3	1904	2618	5202	9860	20400
SIMAX-5	3060	4352	8670	16150	33150
SIMAX-8	5168	5670	13872	26180	53040

GAS TYPE CONVERSION FACTOR

ACETYLENE	1.05
BUTANE	0.7
HYDROGEN	3.79
MAPP / PROPYLENE	0.82
METHANE/NATURAL GAS	1.34
OXYGEN	0.95
PROPANE	0.8