

## Safety device to UL 23Y5, EN 730-1, ISO 5175

Model: **SIMAX-5**

For Protection of Tapping Points, Distribution Lines and Manifolds.



91 mm x 166 mm, 9 lbs.



The SIMAX series of flashback arrestors provides 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 Z49.1:2005 safety guidelines and help meet OSHA, NFPA, and other strict industry safety standards. They are ideal for high volume gas flow applications in pipelines and manifolds.

### Safety elements:

- Gas non-return valve NV
- Flame arrestor FA
- Thermal cut-off valve TV

### Dust filter promotes long life

### Threads:

In accordance with UL 23Y5, EN 560, ISO 3253 for common connections

Fuel Gas: 1" NPT

Oxygen/ Compressed Air: 1" NPT

For additional connections please contact SuperFlash @ 440/716-9960 or toll free at 888/327-7306.

### Gas-Types:

Acetylene (A), Town Gas (C), Compressed Air (D), Ethylene (E), Hydrogen (H), Natural Gas (Methane) (M), Oxygen (O), Propane (P), MPS Methylacetylen- Propadien- Mixture (Y)

### Working Pressure:

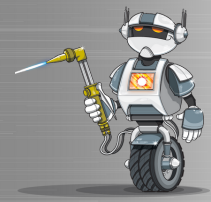
Acetylene 15 PSIG; Hydrogen 50 PSIG; LPG 50 PSIG; Natural Gas 50 PSIG, Propane 50 PSIG, Propylene 50 PSIG, Oxygen 143 PSIG

### Maintenance:

Annual examination for damage using SuperFlash's PVGD According to TRAC 207, 9.36 and BGV D1, § 49 Safety devices may be opened and repaired by the manufacturer only.

### Design:

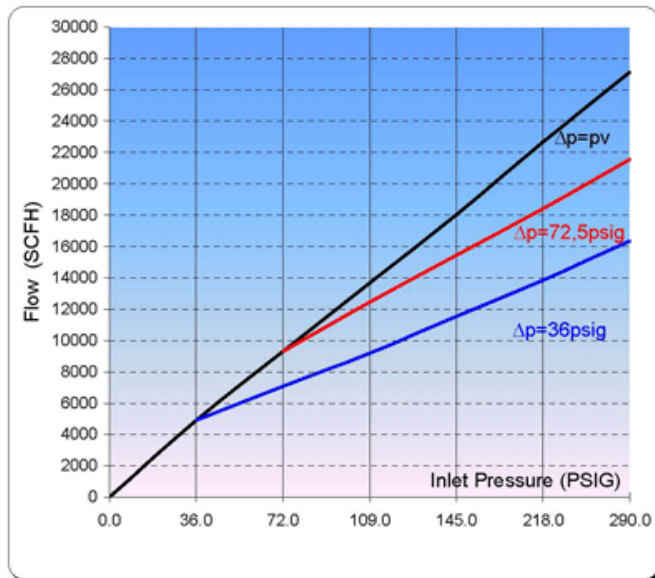
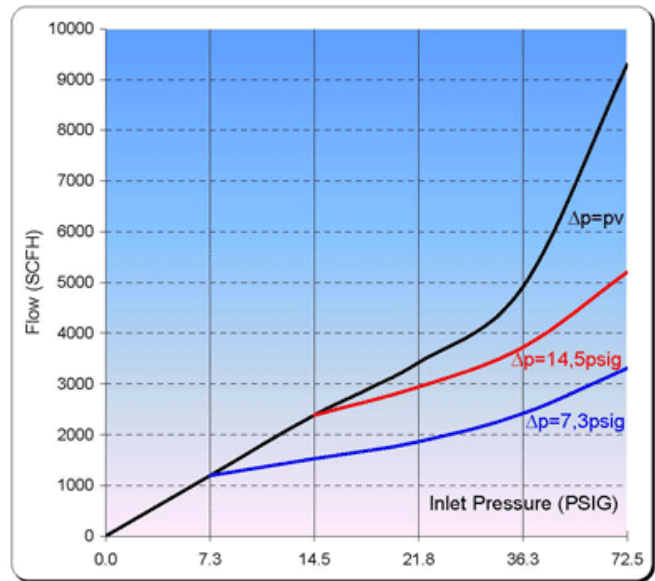
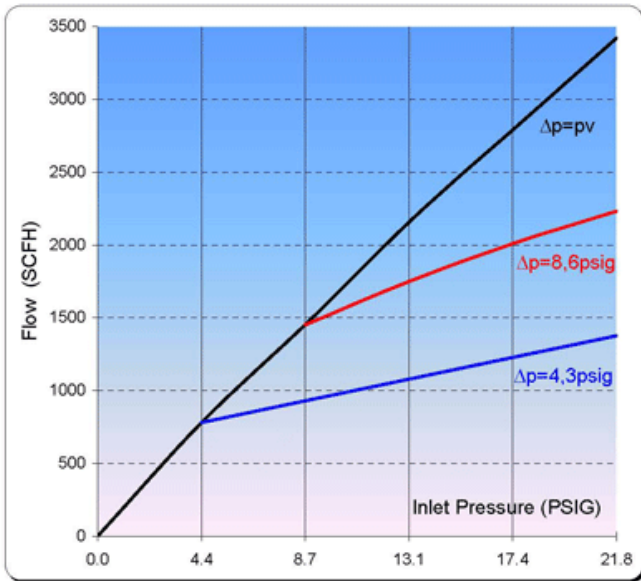
Other materials and surface finishing on request.



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### Flow-Rate Data:



### Conversion Factor:

( A ) Acetylene $C_2H_2$ :	x 1.04
( C ) Town Gas:	x 1.54
( E ) Ethylen	x 1.02
( H ) Hydrogen $H_2$ :	x 3.75
( M ) Methane: $CH_4$	x 1.33
( P ) Propane $C_3H_8$ :	x 0.80
( M ) Natural Gas	x 1.25
( Y ) MAPP-Gas $C_3H_4$	x 0.81
( O ) Oxygen: $O_2$	x 0.95

1 bar = 14.28 psi

1 bar = 100 kPa

1 m<sup>3</sup> = 1.31 cu.yd