

SIMAX-3 - Series
For Protection of Tapping Points, Distribution lines and Manifolds



The SIMAX series of flashback arrestors provides a full range of dry type (no water or fluid to check or replenish) flashback, gas reserve flow, and burn back protection in a compact economical package. SIMAX series flashback arrestors are approved safety devices under ANSI Z49.1:1999 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 manifold.



Technical Data

Threads

In accordance with EN 560, ISO 3253 for common connections

Fuel Gas: 1" - NPT female
 Oxygen/ Compressed Air 1" - NPT female

Weight:

Gas-Types

Acetylene, Town Gas, Compressed Air, Ethylene, Hydrogen, Natural Gas (Methane), Oxygen, Propane, MPS Methylacetylen-Propadien-Mixture

Working Pressure

Acetylene: 1.5Bar / 21 psig
 Hydrogen: 3.5 Bar / 50 psig
 Town Gas: 5.0 Bar / 72 psig
 Ethylene: 5.0 Bar / 72 psig
 Natural Gas (Methane): 5.0 Bar / 72 psig
 Propane: 5.0 Bar / 72 psig
 MPS: 5.0 Bar / 72 psig
 Compressed Air: 15.0 Bar / 217 psig
 Oxygen: 15.0 Bar / 217 psig

Always there, where high flow rates with low pressure drops are necessary for an on-going production process. The high flow rates guarantee a long product life with the highest level of safety.

Safety elements::

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

Maintenance:

An examination must be required within a certain period of at least once a year.

According to TRAC 207, 9.36 and BGV D1, § 49 Safety devices may be opened and repaired only by the manufacturer.

Dust filter promotes long life

Type of Gas	Part #	Connection	
		Inlet	Outlet
Fuel Gas	SIMAX 3-F	1" NPT F	1" NPT F
Oxygen	SIMAX 3-OX	1" NPT F	1" NPT F

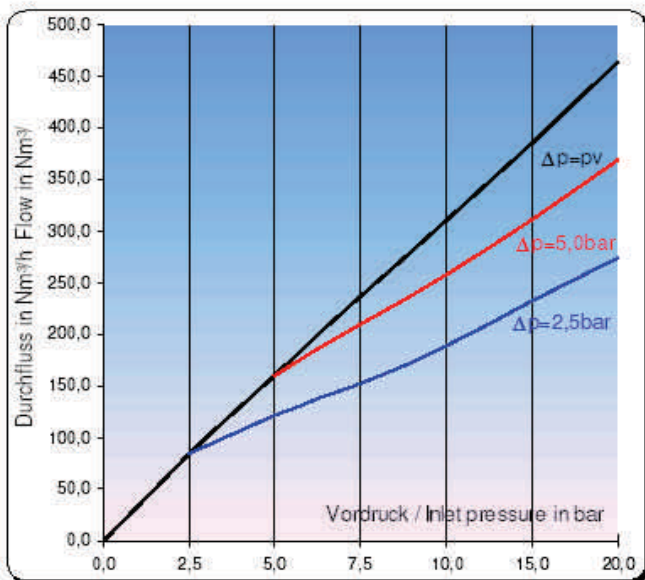
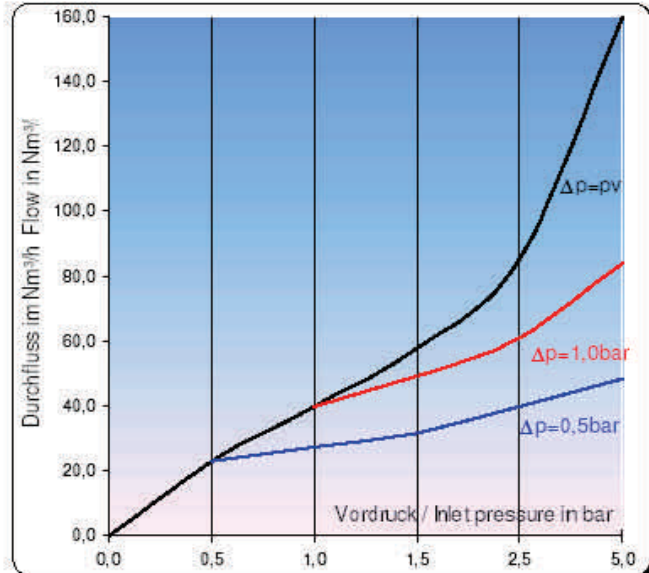
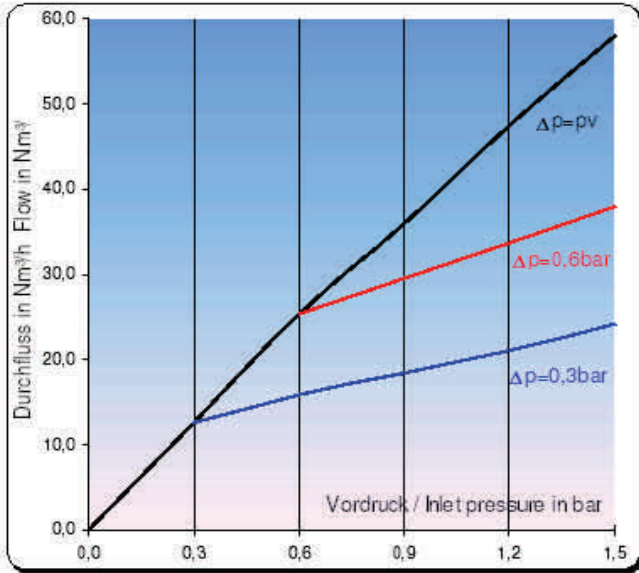
SIMAX-3 - Series
For Protection of Tapping Points, Distribution lines and Manifolds



Safety device to EN 730-1, ISO 5175
Model: SIMAX-3

For Protection of Tapping Points, Distribution lines and Manifolds.

Flow-Rate Dates:



Conversion Factor:

(A) Acetylene C ₂ H 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 ₃ H ₈ :	x 0.80
(M) Natural Gas	x 1.25
(Y) MAPP-Gas C ₃ H ₄	x 0.81
(O) Oxygen: O ₂	x 0.95

1 bar = 14.28 psi

1 bar = 100 kPa

1 m³ = 1.31 cu.yd