Safe-X 2000

Flashback Arrestor

Product features

- Avoids dangerous gas mixtures by a gas non-return valve (NV)
- Stops flashback through flame arrestor (FA)
- A temperature-sensitive cut-off valve stops the gas flow when a predetermined temperature is exceeded (TV)
- Interrupts the further gas flow on pressure shocks by a resettable pressure-sensitive cut-off valve (PV)
- A dust filter protects the gas non-return valve against contamination
- Every Safe-X 2000 is 100% tested
- Safety device according to DIN EN ISO 5175-1, AS 4603

Safety elements of the GasiQ Safety device Safe-X 2000 :

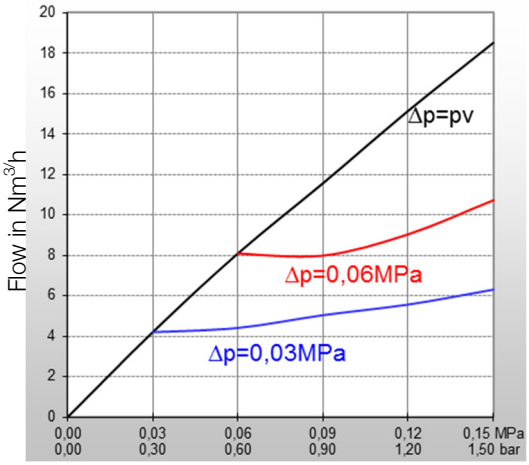
- NV, Gas non-return valve
- FA, Flame arrestor
- TV, Temperature-sensitive cut-off valve
- PV, Pressure-sensitive gas cut-off valve
- DF, Dust filter

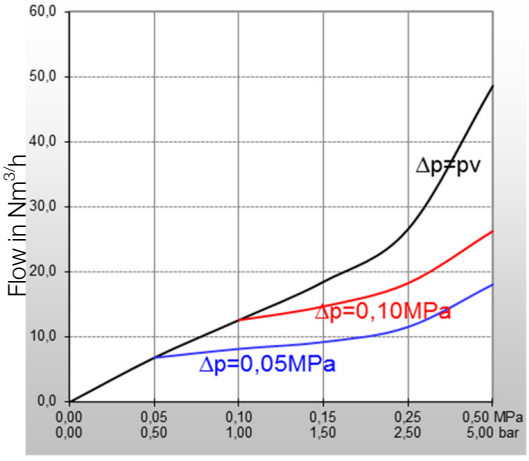
Maintenance:

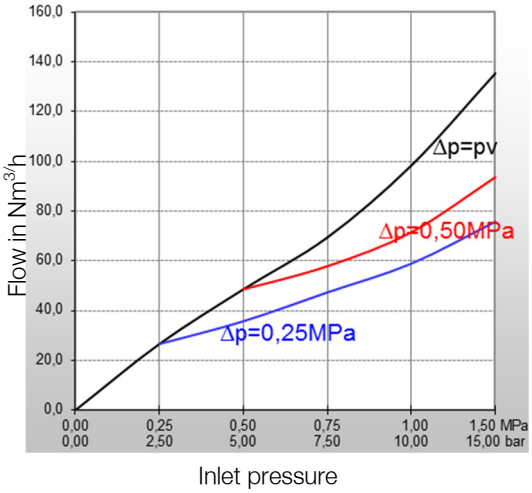
The safety device are to be tested by a qualified and authorised person at regular intervals according to Country specefic regulations. The safety device is to be tested for gas tightness, gas flow and gas return once every 24 months.

GasIQ AB - Täljstensvägen 5 - SE 443 61 Stenkullen, SWEDEN - Tel +46 (0)302 246 80 - www.gasiq.com

Flowchart







Type: Safe-X 2000

Flow rates [air]:

pv = Primary pressure

ph = Secondary pressure

Δp = Primary pressure minus Secondary pressure

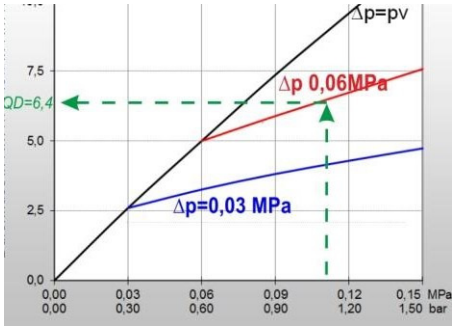
Conversion Factors:

0,1 MPa = 1 bar = 100 kpa = 14,504 psi

1 m3 /h = 35,31 cu ft/h

	A	H	P	M	M	O	E	L
QG►	C2H2	H2	C3H8	CH4+C	CH4	O2	C2H4	C3H6
F	1,2	3,8*	0,9	1,25	1,4	0,95	1,02	0,92

Example:



QG = QD x F

QG ► A = 6,4 x 1,2 = 7,68 m³/h C2H2

QG = flow / gas type

F = conversion factor

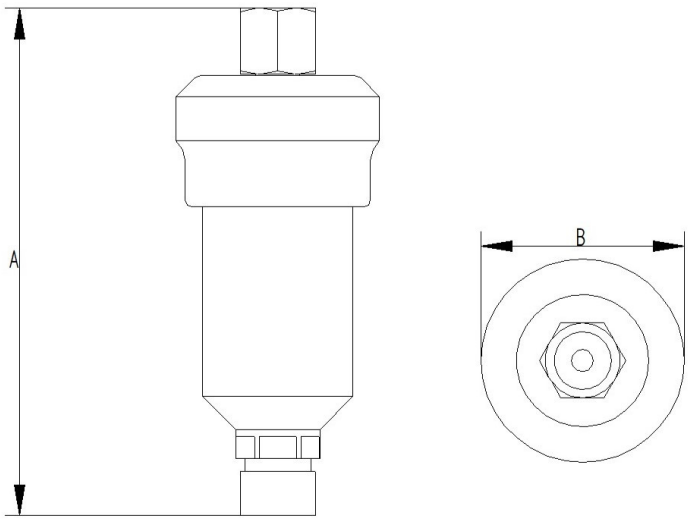
QD = flow / air

GasIQ AB - Täljstensvägen 5 - SE 443 61 Stenkullen, SWEDEN - Tel +46 (0)302 246 80 - www.gasiq.com

Technical data

Gas types:	Acetylene / Propane / Oxygen
Working pressure:	
Acetylene	0,15MPa/1,5bar
Oxygen	0,50MPa/5 bar
Cracking pressure:	50mbar position-independent
Gas temperature:	-20°C up to +70°C (Oxygen –20°C up to +60°C
Ambient temperature:	-20°C up to +70°C

Dimensions



Safe-X 2000			
Inlet	Outlet	A	B
3/8" F	3/8" F	122mm	46mm
3/8" L/F	3/8" L/F	122mm	46mm

GasIQ AB - Täljstensvägen 5 - SE 443 61 Stenkullen, SWEDEN - Tel +46 (0)302 246 80 - www.gasiq.com