Therm-X

Product features

- Stops flashback through flame arrestor (FA)
- A temperature-sensitive cut-off valve stops the gas flow when a predetermined temperature is exceeded (TV)
- Every safety device is 100% tested

Safety elements of the GasiQ Therm-X:

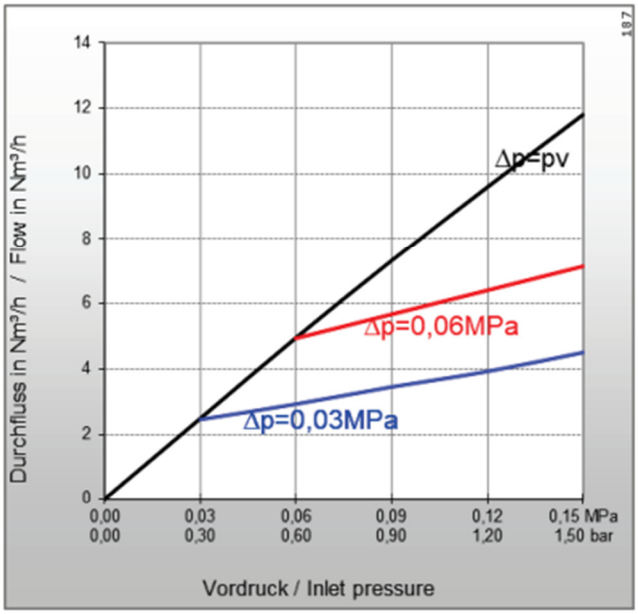
- FA, Flame arrestor
- TV, Temperature-sensitive cut-off valve

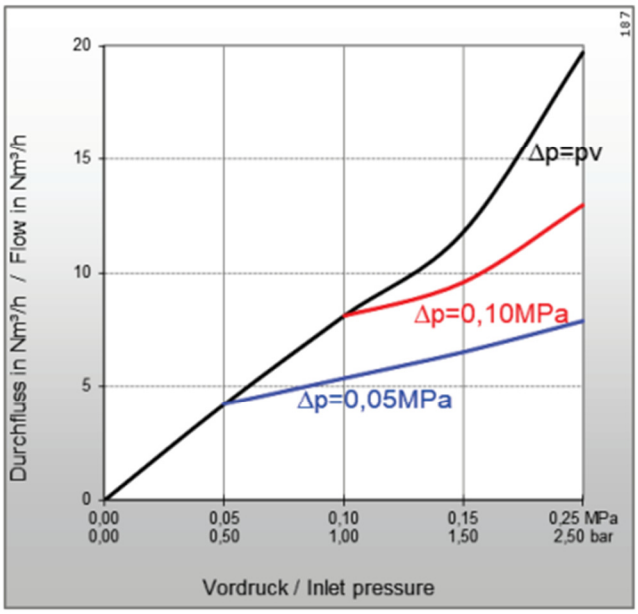
Maintenance:

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

It is not allowed to open the safety device.

Flow chart





Type: Therm-X

Flow rates [air]:

pv = Primary pressure

ph = Secondary pressure

Δp = Primary pressure minus Secondary pressure

Conversion Factors:

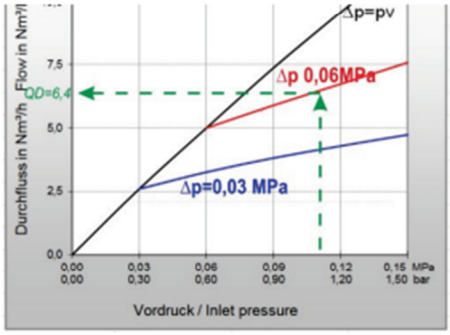
0,1 MPa = 1 bar = 100 kpa = 14,504 psi

1 m³/h = 35,31 cu ft/h

	A	H	P	M	M	O	E	L
QG ►	C_2H_2	H_2	C_3H_8	CH_4+C	CH_4	O_2	C_2H_4	C_3H_6
F	1,2	3,8*	0,90	1,25	1,4	0,95	1,02	0,92

* Conversion factor 2.5 for devices comprising a flame arrestor
The conversion factor for free flow is 3.8.
(Reference: BAM report 220, D. Lietze)

Example:



QG = QD x F

QG ► A = 6,4 x 1,2 = 7,68 m³/h C_2H_2

QG = flow / gas type
F = conversion factor
QD = flow / air

Technical data

Gas	Oxygen-Acetylene		
Working pressure	0,20 (0,03)* MPa / 20,0 (0,3)* bar		
Gas temperature	-20°C up to +50°C		
Ambient temperature	-20°C up to +50°C		
Threads ISO / TR 28821	G1/4” G3/8” G3/8L		
Measure and weight	Diameter	Length	Weight
	22,0 mm	87,0 mm	153 g
Application			
Process	Gas production by electrolysis e.g micro soldering and weldning		