

# FLAME ARRESTING DEVICES

Flame arresting devices prevent in case of a wrong manipulation an explosion back pressure into the gas supply. They therefore contribute largely to the working safety and are the regulations in most countries.

All our flame arresting devices have a **gas non-return valve** (prevents a backflow of gas against normal flow direction) and a **flame arrestor** (a sinter filter prevents a flash back of the flame in case of an explosion back pressure). The GLOOROTHERM has a third safety component, namely a **temperature sensitive cut-off valve**. At an explosion back pressure the special solder is melting and the pre-tensioned bolt is interrupting the gas supply.

## For mounting on the pressure regulator



Art. 1500-O



Art. 1500-A

The Gloorotherm is available in two executions. Art.1500 for the usual applications with single cylinder or manifolds and Art.1800 for higher performances such as machine oxygen cutting and for low pressures (natural gas).

The Gloorotherm is available for oxygen, compressed air, acetylene, propane, natural gas and hydrogen.

The Gloorotherm is connected directly to the pressure regulator or the gas take-off station.

## The GLOOROTHERM GFN offers maximum safety at the workplace with its three safety components :



### GAS NONRETURN VALVE

This valve prevents a backflow of gas against normal flow direction

### FLAME ARRESTOR

A sinter filter prevents a flash back of the flame in case of an explosion back pressure

### TEMPERATURE SENSITIVE CUT-OFF VALVE

At an explosion back pressure the special solder is melting and the pre-tensioned bolt is interrupting the gas supply

# GLOOR

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## GLOOROTHERM GFN 1500

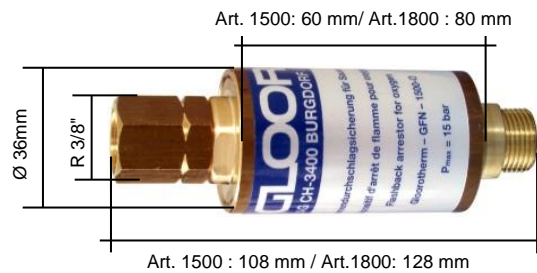
Art.-No.	type of gas	pressure p max. bar	flow rate V max. m <sup>3</sup> /h	connection	
				inlet female	outlet male
1500-0	oxygen compressed air	10	100	3/8"	3/8"
1500-A	acetylene	1,5	16	3/8"L	3/8"L
1500-P	propane	5	42	3/8"L	3/8"L
1500-H	hydrogen	5	60	3/8"L	3/8"L

## GLOOROTHERM GFN 1800

Art.-Nr.	type of gas	pressure p max. bar	flow rate V max. m <sup>3</sup> /h	connection	
				inlet female	outlet male
1800-0	oxygen compressed air	20	210	3/8"	3/8"
1800-A	acetylene	1,5	26	3/8"L	3/8"L
1800-P	propane natural gas	5 0,022*	52	3/8"L	3/8"L
1800-H	hydrogen	5	95	3/8"L	3/8"L

Special connectors and adaptors at request

### Dimensional drawing



### For mounting on hoses



With the two safety components gas non-return valve and flame arrester. For mounting on hose with inner diameter 6 or 8 mm.

Art.1620-O Flame arrester for oxygen  
Art.1620-A/P Flame arrester for fuel gas

### For mounting on handle



With the two safety components gas non-return valve and flame arrester. For mounting directly on the inlet of the torch handle.

Art.1610-O Flame arrester for oxygen 1/4" right  
Art.1610-A/P Flame arrester for fuel gas 3/8" left