



Flame arresting devices are applied for the protection of gas take-off stations of fuel gases and oxygen on manifolds or on pressure reducing valves of single cylinders. They prevent in case of a wrong manipulation an explosion back pressure into the gas supply system and therefore largely contribute to the working safety.

The GLOOROTHERM GFN corresponds to international and European Standards, is manufactured in conformity with DIN Standard and was approved with certificate by the following authorities:

- BAM (Federal institute of Material Testing, Berlin)
- SVS (Swiss Welding Engineering Association, Basel)
- DVGW (German Association of Gas and Water Professionals)



Flame arresting devices are the regulations in European countries.

The GLOOROTHERM GFN is available for the following gases:

- | | |
|------------------|---------------|
| - oxygen | - propane |
| - compressed air | - natural gas |
| - acetylene | - hydrogen |

The Flame Arresting Device GLOOROTHERM GFN is available in two executions:

- **Type 1500** for the usual applications with single cylinder or manifolds
- **Type 1800** for higher performances such as machine oxygen cutting and for low pressure (natural gas)

GLOOROTHERM GFN 1500

Art. No.	Type of Gas	Pressure p max. bar	Flow rate Vmax.m ³ h	Connector	
				Inlet female	inlet male
1500--0	oxygen compressed air	15	140	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	1,5	60	3/8" L	3/8" L

GLOOROTHERM GFN 1800

Art. No.	Type of Gas	Pressure p max. bar	Flow rate Vmax.m ³ h	Connector	
				Inlet female	inlet 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	26 52	3/8" L	3/8" L
1800--H	hydrogen	1,5	60	3/8" L	3/8" L

The GLOOROTHERM GFN offers maximum safety at the working place with its three safety components:

FEATURES:

GAS NON RETURN VALVE

This valve prevents a backflow of gas against normal flow direction

FLAME ARRESTOR

A sinter filter prevents a flashback 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