

Product Title: Model GA D-99 Reset Flashback Arrestor



FBA05020



GA D-99 Cut-away

Description

The Gas-Arc Model GA D-99 flashback arrestor is designed to offer complete protection, for both operator and equipment, combined with high flow performance and ease of use.

Designed and manufactured to fully comply with BS EN 730-1, the GA D-99 flashback arrestors provide complete protection for all oxygen and fuel gas equipment requirements. One of the requirements of BS EN 730-1 is that the safety features contained within the flashback arrestor must be clearly marked on the product label with the appropriate symbols. These symbols can be found on the GA D-99 label.

In the U.K. flashback arrestors for use with acetylene must be approved by the HSE and the GA D-99 has full approval.

Features

- **FLAME ARRESTOR** - Denoted by the symbol FA on the product label, is a stainless steel sintered filter which is precision manufactured using 0.006mm diameter granulated spherical stainless steel. The flame arrester quenches the flame front and prevents the flame from travelling back to the gas source.
- **NON-RETURN VALVE** - Denoted by the symbol NV on the product label, is a low pressure non-return valve designed to prevent the backflow of gas.
- **PRESSURE-SENSITIVE CUT-OFF VALVE** - Denoted by the symbol PV on the product label, the pressure-sensitive cut-off valve is activated by a downstream pressure rise or a shockwave that precedes the flame front that is a consequence of a flashback. When activated, a button rises from the top of the flashback arrestor to indicate that a flashback has occurred, this is manually reset by depressing the button.
- **TEMPERATURE-SENSITIVE CUT-OFF VALVE** - Denoted by the symbol TV on the product label, the temperature sensitive cut-off valve is a spring loaded valve, held open by a low temperature melting point material with eutectic properties (rapidly passing from solid to liquid) of around 100°C, thus shutting off the gas supply to the fire.
- **CONNECTIONS** - The GA-D99 is available with a range of inlet and outlet connections to fit most international requirements.

Gas	Description	Max. Inlet Pressure	Max. Outlet Pressure	Inlet Connection	Outlet Connection	Part No.
Oxygen	GA-D99 Oxygen	20 bar	20 bar	3/8 BSP RH Female	3/8 BSP RH Male	FBA05020
Oxygen	GA-D99 Oxygen	20 bar	20 bar	1/4 BSP RH Female	1/4 BSP RH Male	FBA16040
Oxygen	GA-D99 Oxygen	20 bar	20 bar	M16 RH Female	M16 RH Male	FBA16042
Fuel Gas	GA-D99 Fuel Gas	5 bar*	5 bar*	3/8 BSP LH Female	3/8 BSP LH Male	FBA05021
Fuel Gas	GA-D99 Fuel Gas	5 bar*	5 bar*	1/4 BSP LH Female	1/4 BSP LH Male	FBA16041
Fuel Gas	GA-D99 Fuel Gas	5 bar*	5 bar*	M16 LH Female	M16 LH Male	FBA16043

NOTE - items marked * are have a maximum inlet and outlet pressure of 1.5 bar when used with acetylene.