FLASHBACK ARRESTORS

Every Arrestor 100% tested.

The best Flashback Arrestors in the world
- a large surface area flame arrestor [FA] of stainless steel construction extinguishes any dangerous flashback
- after any flashback or reverse gas flow, a pressure sensitive cut-off valve [PV] immediately cuts off the gas supply and prevents dangerous further work
- a red signal lever indicates the operation of the pressure sensitive cut-off valve
- the resetting of the arrestor by the lever allows the user to resume safe work immediately after fixing the cause of the flashback or the reverse gas flow
- a temperature sensitive cut-off valve [TV] extinguishes sustained flashbacks long before the internal temperature of the arrestors reaches a dangerous level
- a spring loaded non-return valve [NV] prevents slow or sudden reverse gas flow from forming explosive mixtures in the gas supply
- a filter at the gas inlet protects the arrestor against dirt contamination, extending the service life
- a pressure relief valve [RV] vents excessive pressure and soot into the atmosphere, protecting the hose from bursting and the flame arrestor from clogging up, thus maintaining the flow rate

Operation / Usage
- Super Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow and flashbacks
- WITT Flashback Arrestors may be mounted in any position/orientation
- only one piece of equipment may be connected to a single Flashback Arrestor
- the maximum ambient/working temperature is 70 °C / 158 °F

Maintenance
- annual testing of the non-return valve, body leak tightness and flow capacity is recommended
- WITT is happy to supply special test equipment
- Flashback Arrestors are only to be serviced by the manufacturer; the dirt filter may be replaced by competent staff

Approvals
Company certified according to ISO 9001
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

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* no Certification BAM

Other connections available upon request
FLASHBACK ARRESTORS

Super 78 and Super 90

Conversion factors:
Acetylene  x 1.04
Butane  x 0.68
Ethylene  x 1.02
Natural Gas  x 1.25
Methane  x 1.33
Propane  x 0.80
Oxygen  x 0.95
Town gas  x 1.54
Hydrogen  x 3.75

Super 66

Conversion factors:
Acetylene  x 1.04
Butane  x 0.68
Ethylene  x 1.02
Natural Gas  x 1.25
Methane  x 1.33
Propane  x 0.80
Oxygen  x 0.95
Town gas  x 1.54
Hydrogen  x 3.75

Super 66/78/90

Flow diagram for air (20 °C / 68 °F)

Inlet pressure: $P_v$ [bar] Opening pressure: 10 mbar

Standard volume flow [Nm³/h] (1013 mbar / 14.7 psi, 0 °C / 32 °F)

Filter
Signal lever
Pressure sensitive cut-off valve
Gas non-return valve
Flame arrester
Temperature sensitive cut-off valve
Explosion pressure relief valve (not included in model Super 90)