Instructions for the use of the Flashback Arrestor

Norms and Standards: ISO 5175; EN 730-1; EN 730-2; O NORM EN 730; BS 6158; EN 561; ISO 7289; UL; CGA: AS 4603; SABS

Follow local national Safety Regulations.

Information: -For any questions, please call Carlisle Machine Works, Inc. 800-922-1167

Function: -Protection against creeping and sudden reverse flow Gas;
-Flashbacks;

Correct Usages: -Safety at the supply tapping points, cylinder regulators and torches
-Use only in connection with given data on the product body

Working pressure: -See data on product body
-Cracking pressure is less than 1 PSI (6oz.–8oz.)

Incorrect Usage: -Application of other gases and/or pressures than those indicated on the product body
-Couplings are not cut-off valves, in the event of longer breaks or at the end of the working day the gas source should be closed

Assembly Instructions:
-Before commencing, check visually that all connections are clean and undamaged.
-When assembled, check for possible leaks by going up to the maximum working pressure.
-When using oxygen, all connections and the complete unit must be free from oil and grease
-Fit with open-ended spanners for each connection (use wrenches not pliers).

Maintenance:
-The flashback arrestor and coupling must be tested at regular intervals by a trained and authorized person according to your local safety regulations.
-This means testing at least once per year (with couplings coupled and uncoupled being tested every six months) for gas leaks and gas reverse flow.
-Where Acetylene generators are used, a gas purifier must be installed directly before the arrestor.
-Where there is the possibility of condensed water in the feed delivery pipes/hose, an adequate water filter should be installed before the arrestor.
-Repairs of all sorts may only be carried out by the manufacturer or manufacturer’s representative.
-The dust filter at the inlet of the arrestor may be changed and/or cleaned by the user.

Instructions in case of break-downs:
-No gas flow: check flow direction, operating pressure, gas cut-off valves, gas source, thermal and pressure cut-off valves.
-Couplings and coupling pins can leak if they are damaged or dirty; therefore they should be checked regularly
-gas return flow: replace device
-external leakage: replace device

WARNING:
* Use only in the prescribed gas direction and do not exceed the maximum working pressure.
* Use only the prescribed gas.
* Do not connect the flashback arrestor to any other pressure recipients (e.g. directly to pressure gas cylinders 200 bar, 20,000 kPa, 2856 PSI)

DANGER TO LIFE!
* Compressed Air controlled valves are no longer allowed to be used in oxygen systems.
* CAUTION—Do NOT attempt to repair flashback arrestors. There are no user repairable parts.
* Only one operating unit may be installed in conjunction with a flashback arrestor.
* Additional marking, stamping or engraving in the arrestor by the user is strictly forbidden, as this can cause damage.

Designation examples:
-Line 1: Year; type; standards: B02 EN730-1
-Line 2: serial number: 001234
-Line 3: Gas type and Working Pressure; Flow Direction: A1,5H3,5PMY5bar

Key to Gas Types: Acetylene [A]; Propane [P]; Methane, Natural Gas [M]; Hydrogen [H]; town gas [C ]; Gas Mixture [Y]; Oxygen [O]; Compressed Air [D].

The control knob is up and the green area is viewable

After a flashback or reverse flow over .5 bar the control knob snaps forward, pull up to reset
**FLOW RATE CHART**

<table>
<thead>
<tr>
<th>Safety Element</th>
<th>Dust Filter</th>
<th>Gas non-return Valve</th>
<th>Flame Filter</th>
<th>Flame Block</th>
<th>Thermal Cut-off Valve</th>
<th>Pressure cut-off Valve</th>
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<td>Gas non-return Valve</td>
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<td>Flame Filter</td>
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<td>Flame Block</td>
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<td>Thermal Cut-off Valve</td>
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<td>Pressure cut-off Valve</td>
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**CONVERSION FACTORS**

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