

Series 8491

flash arrestor

4



Description	Features
<p>The new 8491 Series re-settable flashback arrestors offer four (4) safety devices in each unit. Safety features include protection against flashbacks with a wide range of mixtures of oxygen or air with flammable gases including hydrogen, acetylene, methane and LPG gases. The design includes a built-in non-return (check) valve to stop reverse flow and a thermal shut off which stops gas flow in the event of hose or pipe line fire. An easily re-settable pressure control stops gas flow in the event of reverse flow or a flashback that creates 10 psig back pressure. This feature alerts the user that a reverse flow or a flashback of greater than 10psig has occurred. These units are easily re-set by pulling up on the pressure control ring (shown above), no disassembly of the gas line or special tools are needed. The 8491 Series high flow capacity makes them suitable for a broad range of applications. Units are U/L listed and meet ISO 5175, EN 730, BS 6158, and AS 4603 standards.</p>	<ul style="list-style-type: none"> • 100% flashback tested after assembly • U/L listed and meets strict international standards (see table) • Automatically re-sets for flashbacks and revers flow below 10 psig • Alerts user by shutting of gas flow in the event of a reverse flow or flashback exceeding 10 psig back pressure (captures back pressure in the housing, no flame or gas is exhausted to the atmosphere) • Stainless steel flame barrier positively extinguishes flame within the housing • Checks reverse flow and provides positive shut-off of revers flow over 10 psig • Thermal cut-off • Built-in 100 micron stainless steel sintered filter on inlet • High flow capacity (see table)

Materials	
<p><i>Body</i> Alloy 360 brass</p> <p><i>Internals</i> brass</p>	<p><i>Flame barrier</i> stainless steel</p> <p><i>Elastomers</i> Neoprene</p>

Working Pressure (U/L)	
Gas	Pressure PSIG
Acetylene	15.0
Hydrogen/oxygen	50.0
Hydrogen/air	150.0
Methane/LPG	50.0
Oxygen	143.0

Ordering Information			
Model	Gas Service	Connections	
		Inlet	Outlet
8491-F	flammables	1/4" NPT female	1/4" NPT female
8491-O	oxidizers	1/4" NPT female	1/4" NPT female
8491-FL	flammables	9/16-18 LH female	9/16-18 LH male
8491-OR	oxidizers	9/16-18 RH female	9/16-18 RH male

Flow Performance	
Inlet Press. PSIG	Air Flow SCFH
7.3	231.0
14.5	465.0
21.8	725.0
36.3	1041.0
72.5	1933.0