



# DEFLAGRATION FLAME ARRESTER DATA SHEET

**ALL INFORMATION BELOW IS REQUIRED. PLEASE SEE NOTE ON APPLICATION LIMITS.**

CUSTOMER:

PROCESS	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td colspan="5" style="text-align: center;">Gas Group (circle one)</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> <tr> <td style="text-align: center;"><b>NEC</b></td> <td style="text-align: center;">Methane</td> <td style="text-align: center;">D</td> <td style="text-align: center;">C</td> <td style="text-align: center;">B</td> <td style="text-align: center;">A</td> <td colspan="3"></td> </tr> <tr> <td style="text-align: center;"><b>IEC</b></td> <td style="text-align: center;">IIA1</td> <td style="text-align: center;">IIA</td> <td style="text-align: center;">IIB1</td> <td style="text-align: center;">IIB2</td> <td style="text-align: center;">IIB3</td> <td style="text-align: center;">IIB</td> <td style="text-align: center;">IIC</td> <td></td> </tr> </table> <p style="margin-top: 10px;">Pre-Ignition Pressure _____</p> <p>Pre-Ignition Temperature _____</p> <p>Maximum Pressure Drop _____</p> <p style="margin-left: 40px;">Required Flow _____</p> <p>Max Allow Working Pressure _____</p>				Gas Group (circle one)							<b>NEC</b>	Methane	D	C	B	A				<b>IEC</b>	IIA1	IIA	IIB1	IIB2	IIB3	IIB	IIC		
			Gas Group (circle one)																											
<b>NEC</b>	Methane	D	C	B	A																									
<b>IEC</b>	IIA1	IIA	IIB1	IIB2	IIB3	IIB	IIC																							
INSTALLATION	<p style="margin-left: 40px;">Run-Up Length (L) _____</p> <p style="margin-left: 40px;">Flange Size (D) _____</p> <p style="margin-left: 80px;">L / D _____</p> <p style="margin-left: 40px;">Orientation (circle one)</p> <p style="margin-left: 40px;">Vertical <span style="margin-left: 150px;">Horizontal</span></p> <p style="margin-left: 40px;">Location (circle one)</p> <p style="margin-left: 40px;">In-Line <span style="margin-left: 100px;">End-of-Line</span></p>																													

**NOTE:** Groth in-line deflagration flame arresters must be installed at or within 10 pipe diameters of the source of ignition and are only approved for gas groups IIA1 / Methane, pre-ignition pressures at or below 15.7 psia, and pre-ignition temperatures at or below 140°F. Groth end-of-line deflagration flame arresters must be installed at or within 10 pipe diameters of the end of a vent pipe and are only approved for gas groups IIA / D, pre-ignition pressure at or below 14.7 psia (atmospheric), and pre-ignition temperatures at or below 140°F.