Introduction

Enardo™ 8 Series high pressure deflagration flame arrestors are designed to protect against high velocity and pressure flame fronts inherent in applications beyond the performance range of a standard flame arrestor but not yet to the detonation phase of flame development and provide an economical alternative to a detonation arrestor. Enardo 8 Series are designed to surpass standard flame arrestors for applications that include extended lengths of pipe with one bend, elevated operating pressures and extended flame stabilization on the flame cell element. The arrestors are bi-directional and can stop low, medium and high pressure deflagrations. This design utilizes a superior element assembly that dampens the high velocities and pressures associated with deflagrations and detonations while quenching the flame front.

Our design is unique in the ability to provide larger flame channels which requires less frequent maintenance and greater ease in cleaning when service is required, translating to less down time. The element offers maximum flow to pressure drop characteristics enhancing the value of our product in any system. Designed with flanged connections, this arrestor provides the option of the removal of the flame cell element for easy cleaning and replacement without disconnecting of the pipe connection. Standard housing construction is carbon steel and stainless steel. The element is available in stainless steel. Special material and protective coatings are available on request.

Flame Arrestor Specifications

Sizes Available
2 to 24 in. / 50 to 600 mm

Construction Materials
Housing
- Carbon Steel
- 304 Stainless steel
- 316 Stainless steel
- Hastelloy®
- Exotic

Cell
- 304 Stainless steel
- 316 Stainless steel
- Hastelloy®

Gas Group
- B, C and D

Additional Technical Data
For more technical information, contact your local Sales Office or log on to: www.enardo.com

Features

- Maximum flow
- Less pressure Drop
- Easy Cleaning
- Less Clogging
- Less Maintenance
- Bi-Directional Design
- Removable Element design allows for easy inspection, cleaning and replacement
- Fluoropolymer coated hardware provides outstanding corrosion and chemical resistance
- Standard temperature ports
Table 1. Enardo 8 Series Dimensions and Weights(1)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A (CONNECTION SIZE)</th>
<th>B (HOUSING SIZE)</th>
<th>C (OUTSIDE DIAMETER)</th>
<th>D (OVERALL LENGTH)</th>
<th>APPROXIMATE WEIGHT</th>
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<td></td>
<td>In.</td>
<td>mm</td>
<td>In.</td>
<td>mm</td>
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<td>600</td>
<td>30.00</td>
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</table>

1. Dimensions may vary somewhat from those given above. Allow for a tolerance of ± 1.00 in. / 25 mm. Specific dimensions available on request.

Hastelloy® is a mark owned by Haynes International, Inc.

Indicates a 6 in. Concentric Enardo 8 Series High Pressure Deflagration Flame Arrestor with a 12 in. carbon steel housing, ANSI 150 lbs. raised face flange connections and 304 stainless steel NEC Group “D” flame cell element. It also has additional options of drain plugs and temperature probe taps.