Pfluoro-Pfix Nozzle Rep air Shields are used to repair damaged glass-lined steel on the flange face or radius of nozzles where an “outside shield” tantalum repair would otherwise be used. The Repair Shield contains no metal components which can contaminate sensitive batches.

The Repair Shields are constructed of virgin PTFE to provide protection in a broad range of chemical environments. Edlon, Inc.’s exclusive resilient seal design ensures effective sealing even at extreme pressure (up to 100 PSI) and temperature cycling.

The press-in PTFE shield is constructed with a series of three sealing fingers which mechanically seal against the undamaged portion of the nozzle I.D. Resilient Viton® O-rings* between the fingers support the sealing lips and hold them against the glass surface. Edlon’s seal design allows for a positive seal area, despite temperature and pressure cycling. Leaking problems, due to the sealing fingers taking a cold set, are eliminated. The PTFE shield is installed with a filler to occupy any clearance between the shield and glass. This prevents expansion and contraction of the air space which can pull corrosives under the shield.

Benefits
Virgin PTFE offers universal corrosion resistance
Suitable to 400°F over a wide range of services
Fast effective glass repair
Can be installed by your own maintenance people or local technician
More economical than tantalum
No heavy metals to contaminate product

Features
Etched exterior to improve bonding
Double O-ring seal design prevents leakage
Suitable for full vacuum
Complete range of sizes (1.5”-12” stocked)
Designed to be used with a standard CRT-AF gasket
**Edlon® Pfluoro-Pfix™ PTFE Nozzle Repair Shields**

**Installation**

In addition to the Edlon nozzle, we offer a complete repair kit or the individual items needed for a fast, effective repair. A kit includes: installation instructions**, F-filler, the proper studs and nuts, a wrench, and a CRT-NS gasket***.

### Nozzle Repair Shield Dimensions

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nominal Size</th>
<th>B Nozzle I.D.† (+,- 1/16&quot;)</th>
<th>A</th>
<th>C</th>
<th>F</th>
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<td>1.986&quot;</td>
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<td>1&quot;</td>
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</table>

**Notes**: 1. A nozzle reduction of approximately 1" in diameter will result. 2. We do not recommend these repair shields for bottom outlets.

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**Data Sheet-111**

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