

A simple change A dramatic difference

U-Plex is an improvement on the E-Seal® that provides a more flexible and lower load sealing solution. With the most resilient of all cross-sections, the U-Plex offers as much as three to five times the deflection capability of the standard E-Seal while providing an equivalent leakage rate for the same cavity envelope.

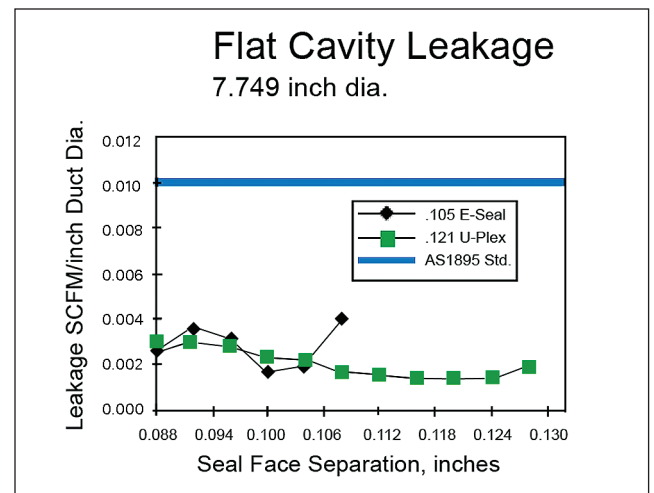
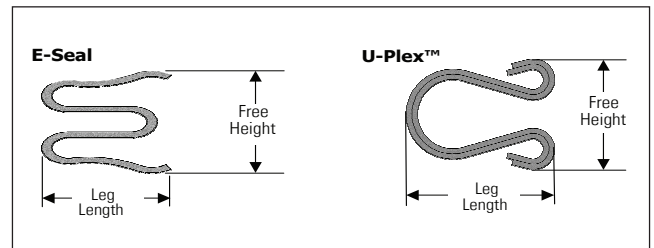
Why U-Plex is a superior seal

Unlike E-Seals, U-Plex can seal beyond its axial height and is more compliant than the E-Seal in accommodating flange distortions and deflections caused by welding and/or physical damage. This ability means U-Plex can reduce or eliminate the need to rework or replace extremely out of flat flange faces.

In addition, where stress relaxation of metallic seals needs to be considered and significant axial cavity excursions exist, the lower stresses inherent in the U-Plex design can provide extended seal performance and life.

Summary of Product Features

- Conformity to local deformations
- Improved pressure energization characteristics
- Lower force to compress
- Better geometric stability
- More compliant
- Double the spring-back
- Seals distorted flanges
- Accommodates out-of flatness
- Lower bending stress
- Longer life
- Lower leakage
- Reusable (subject to heat stress and other conditions)



Eaton
Aerospace Group
Fluid & Electrical Distribution Division
15 Pioneer Ave.
Warwick, Rhode Island 02888
Phone: (401) 781 4700
Fax: (401) 785 4614



Powering Business Worldwide

Eaton
Aerospace Group
9650 Jeronimo Road
Irvine, California 92618
Phone: (949) 452 9500
Fax: (949) 452 9555
www.eaton.com/aerospace

Copyright © 2013 Eaton
All Rights Reserved
Copying or Editing is Forbidden
DS100-14C
March 2013