

Section: T100
Bulletin: T100.80
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FLUOROPOLYMER LINED SIGHT FLOW INDICATORS

**SUPERIOR CORROSION PROTECTION FOR THE MOST
DEMANDING PROCESSING ENVIRONMENTS**



JACOBY-TARBOX®

A Product Line of
The Clark-Reliance Corporation

Over 80 years of Quality!



LINING TYPES

All Jacoby-Tarbox flanged sight flow indicators and sight windows can be supplied with a variety of fluoropolymer linings to match your piping or process specifications. The fluoropolymers available from Jacoby-Tarbox include:

- Teflon® (PFA)
- Teflon (PTFE)
- Tefzel® (ETFE)
- Kynar® (PVDF)
- UniShield® Window Protection
- Specialty fluoropolymers
- Other lining (natural rubber, PVC, polypropylene)

TYPICAL CONFIGURATIONS OF LINED EQUIPMENT



BULLS-EYE SIGHT FLOW INDICATORS

- 910-FA (shown)
- 608-FA
- F910-HPA 300/600
- F608-HPA 300/600
- 90

All units above available with FM® approved dual window assemblies.



SIGHT WINDOWS

- 5005-DW (shown)
Supplied with FM approved dual window assembly standard
- Full-face UniGlas®



SHEATHED SIGHT FLOW INDICATORS

- 860-F (shown)



TUBULAR SIGHT FLOW INDICATORS

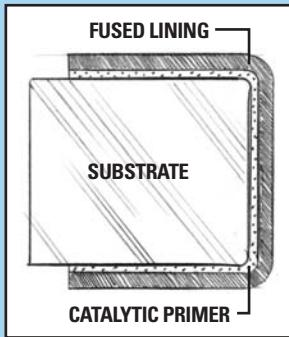
- 830-F (Shown)
- 830-FD

All units available with UniShield fused PFA Teflon glass shielding.



LINING CONSTRUCTION

FUSED LINING

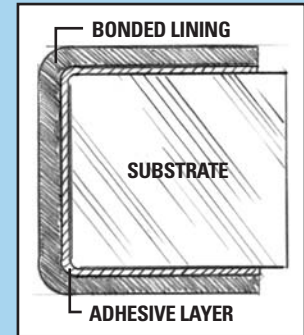


Material: PFA Teflon, specialty fluoropolymers
Application: Powder coating over catalytic primer
Substrate: Carbon steel standard; stainless steel available for cryogenic service and corrosive atmospheres
Pressure: Full vacuum to 1480 PSIG (102 Bar)
Max. Temperature: 500°F (260°C) **Thickness:** 20-30 mils
Models*: 910-FA-PFA, 608-FA-PFA, F910HPA-PFA (300/600), F608-HPA-PFA (300/600), 90-PFA, 90-DPFA, 830-F-PFA, 830-FD-PFA, 860-F-PFA, 5005-DW-PFA, Full-face UniGlas

*NOTE: All models employ standard face to face dimension of substrate

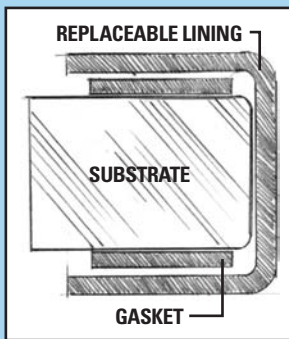
BONDED LINING

Material: Tefzel (ETFE), specialty fluoropolymers
Application: Rotational lining over adhesive layer
Substrate: Carbon steel standard; stainless steel available for cryogenic service and corrosive atmospheres
Pressure: Full vacuum to 1480 PSIG (102 Bar)
Max. Temperature: 324°F (180°C) **Thickness:** 79-120 mils
Models*: 910-FA-TFZ, 608-FA-TFZ, F910-HPA-TFZ (300/600), F608-HPA-TFZ (300/600), 830-F-TFZ, 830-FD-TFZ, 860-F-TFZ, 5005-DW-TFZ



*NOTE: All models employ standard face to face dimension of substrate

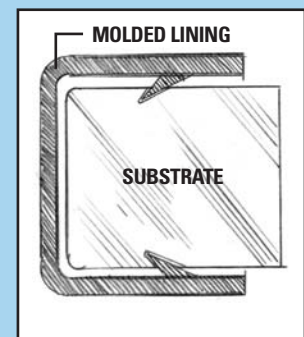
REPLACEABLE LINING



Material: Teflon (PTFE)
Application: Machined to allow assembly into part over gasketing
Substrate: Carbon steel standard; stainless steel available for cryogenic service and corrosive atmospheres
Pressure: 0 PSIG (0 Bar) to 1480 PSIG (102 Bar)
Max. Temperature: 450°F (232°C) **Thickness:** 62-90 mils
Models: 830-F-TFE, 830-FD-TFE, 860-F-TFE, 5005-DW-TFE

MOLDED LINING

Material: Teflon (PTFE), Kynar (PVDF)
Application: Blow molded to follow contours of substrate
Substrate: Ductile iron
Pressure: 0 PSIG (0 Bar) to 250 PSIG (17.2 Bar)
Max. Temperature: 450°F (232°C) **Thickness:** 90-120 mils
Models*: 910-FA-TFE, 910-FA-KYN, 608-FA-TFE, 608-FA-KYN



*NOTE: All models employ non-standard, special, face to face dimension of substrate

UniShield® WINDOW PROTECTION

Jacoby-Tarbox's full line of sight flow indicators and sight windows are available with UniShield, a fused PFA Teflon glass shield or lining. UniShield is available for window discs and cylinders for both positive pressure and vacuum service. A sample of units available with UniShield is shown below. For more information, ask your local Jacoby-Tarbox representative for the UniShield bulletin, T100.82.

UniShield SPECIFICATIONS

Material: 100% PFA Teflon
Construction: Fused
Color: Translucent
Pressure: Full Vacuum to 3000 PSIG
Temperature: -325°F to 500°F
Thickness: 5-10 mils
Application: Disc and Cylinders



As the 21st century begins and brings tighter government regulations, hyper-aggressive compounds, and cost conscience corrosion engineering, in addition to heightening safety

concerns, Jacoby-Tarbox will continue to partner with its customers to develop the most safety oriented, environmentally protective sight flow indicators and sight windows in the industry.

Teflon and Tefzel are registered trademarks of DuPont. Kynar is a registered trademark of ELF Atochem. FM is a registered trademark of Factory Mutual Research Corporation. Jacoby-Tarbox and UniGlas are registered trademarks of the Clark-Reliance Corporation. UniShield is a trademark of the Clark-Reliance Corporation.

For additional information, contact your local representative.



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