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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)
- Tefzel® (ETFE)
- Teflon (PTFE)
- 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)

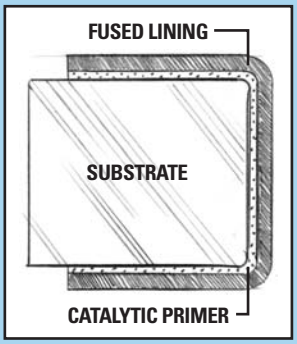
## TUBULAR SIGHT FLOW INDICATORS

- 830-F (Shown)
- 830-FD

All units available with UniShield fused PFA Teflon glass shielding.

# LINING CONSTRUCTION

## FUSED LINING



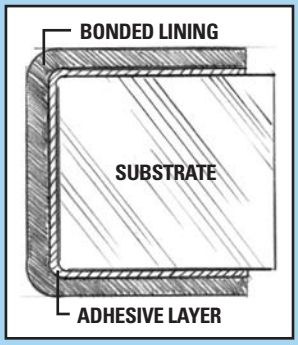

**Material:** PFA Teflon, specialty fluoropolymers
**Application:** Powder coating over catalytic primer
**Substrate:** Carbon steel standard; stainless steel available for cryogenic service and corrosive atmospheres
**Pressure:** Full vacuum to 1480 PSIG (102 Bar)
**Max. Temperature:** 500°F (260°C) **Thickness:** 30-40 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

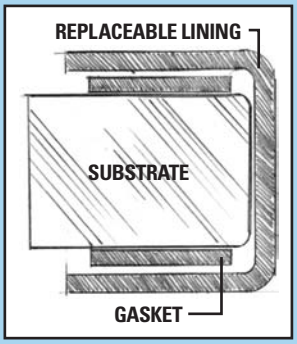
## BONDED LINING

**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

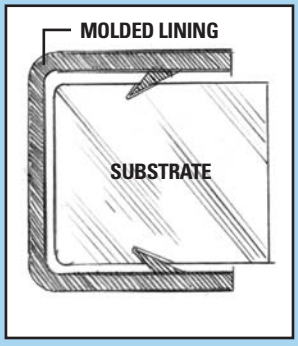



**Material:** Teflon (PTFE)
**Application:** Machined to allow assembly into part over gasketing
**Substrate:** Carbon steel standard; stainless steel available for cryogenic service and corrosive atmospheres
**Pressure:** 0 PSIG (0 Bar) to 1480 PSIG (102 Bar)
**Max. Temperature:** 450°F (232°C) **Thickness:** 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 hightening 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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