Nozzle and Manway Repair Shields

Pfluoro-Pfix™ & Easy-Fix™ Nozzle Repair 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. Request Edlon, Inc. data sheet #111.

Pfluoro-Pfix & Easy-Fix Manway Repair Shields are stocked in three standard manway sizes, 18" round or 12" x 16" and 14" x 18" elliptical to fit standard glass-lined steel manway dimensions. Custom sizes are available for larger openings. Request Edlon™ data sheet #118.

PTFE Lined and Jacketed Dip Tubes and Spargers

Edlon, Inc. PTFE lined and jacketed dip tubes and spargers combine the superior corrosion resistance of isostatically molded PTFE with the strength and rigidity of steel. They are recommended for use in temperatures up to 450° F. Edlon can determine maximum length for agitation conditions. Edlon will custom design each sparger for optimum performance at given flow conditions. Request Edlon data sheets #126 and #127.

Solid PTFE Dip Tubes and Spargers

Edlon solid PTFE dip tubes and spargers are fabricated from isostatically molded, heavy-wall PTFE tubing. Straight or bent designs are suitable for non-agitated services for temperatures up to 350° F. Edlon will custom design each sparger for optimum performance at given flow conditions. Request Edlon data sheet #128.

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Coated Agitators
Agitators coated with Edlon SC-7005™ have excellent corrosion resistance, will not contaminate batches, and have exceptional durability and abrasion resistance. The coating can be machined in the seal area to the original specifications. Both standard (RCI) and custom impeller designs are available. Edlon can remove damaged glass and recoat existing agitators, or we can provide new agitators with a fluoropolymer coating. Request Edlon data sheet #105.

Agitator Boots
Edlon agitator repair boots are made of heat-shrinkable FEP. They are recommended for the repair of damaged retreat-curve impellers and finger-style baffles, or to prevent abrasion, erosion or cavitation problems on new agitators or baffles. These repair boots can be installed in place without removing the agitator or baffle from the vessel. Contact Edlon at 800-753-3566.

Vortex Breakers
Eliminate vortices in your glass-lined vessels with vortex breakers from Edlon. Constructed of solid PTFE, these breakers resist corrosion, abrasion and wear, and will not damage the glass lining of the vessel nozzle or flange face. Contact Edlon at 800-753-3566.

Coated Baffles
Edlon can provide both standard and custom baffles with a thick fluoropolymer coating. Edlon SC-7005™ (PFA) is ideal for high temperature or pharmaceutical applications, while our SC-2001™ (ECTFE) coating has mechanical properties which make it an excellent choice for abrasive services. Edlon can remove damaged glass and recoat existing baffles, or we can provide new baffles with a fluoropolymer corrosion barrier. Request Edlon data sheet #105.

Nozzle Liners
Edlon PTFE nozzle liners provide protection for nozzles and manways on process vessels. They should be used when abrasion, erosion, thermal shock, or mechanical damage to the interior lining of the vessel is likely to occur. Edlon nozzle liners are fabricated from PTFE with a standard thickness of 0.125". Standard sizes to fit most glass and alloy nozzles are available from stock, custom sizes are also available. Request Edlon data sheet #108.
Coated Manway Covers and Protector Rings

SC-7005™ Fluoropolymer PFA Coating

Glass-lined reactors can be damaged by frequent opening and closing of manways during the servicing of batch operations. Installing a manway cover and protector ring with one of Edlon’s patented fluoropolymer coatings maintains the corrosion resistance of the equipment while increasing the protection against mechanical damage. 12” x 16”, 14” x 18”, and 18” round covers and protector rings are available from stock coated with Edlon SC-7005 PFA coating. We can also remove damaged glass and re-coat existing covers and protector rings. Request Edlon data sheet #105.

Coated Vessel Covers and Heads

SC-7005, or one of Edlon’s other proprietary fluoropolymer coatings, is applied to exterior and interior surfaces, as well as flange faces, for use in corrosive environments or clean room applications. Edlon coatings will withstand temperatures to 300° F. The exterior finish cleans easily and resists damage from corrosive spills. In addition, Edlon coats new top heads and re-coats existing glass-lined heads. Request Edlon data sheets #105 and #102.
FLUOROPOLYMER ACCESSORIES FOR GLASS-LINED VESSELS & COLUMNS

Custom Accessory Design

Edlon is the leader in technology for fluoro-polymer lining, fusion welding, forming, bonding, molding and fabrication techniques. Custom design and engineering is our strength. Expert engineering design assistance from Edlon can help solve difficult application problems. Contact Edlon’s application engineering group for answers to your difficult problems… 800-753-3566.

24-Hour Field Service Support

Edlon’s factory trained technicians and authorized service representatives offer prompt response to your service needs. Contact us 24-hours a day at 800-753-3566.

The information and specifications contained in this data sheet are believed to be reliable general guidelines for consideration of the products described herein. The information is general in nature and should not be considered applicable to any specific process or application.

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